

# OpenPGP Keys

Revision: [e407c18f4d](#)

2020-09-03 21:36:15 +0000 by Hiroki Sato.

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These OpenPGP keys can be used to verify a signature or send encrypted email to FreeBSD.org officers or developers. The complete keyring can be downloaded at <https://www.FreeBSD.org/doc/pgpkeyring.txt>.

## 1. Officers

### 1.1. Security Officer Team <[security-officer@FreeBSD.org](mailto:security-officer@FreeBSD.org)>

```
pub   rsa4096/D39792F49EA7E5C2 2017-08-16 [SC] [expires: 2023-01-02]
      Key fingerprint = FC0E 878A E5AF E788 028D 6355 D397 92F4 9EA7 E5C2
uid   FreeBSD Security Officer <security-officer@FreeBSD.org>
sub   rsa4096/6DD0A349F26ADEFD 2017-08-16 [E] [expires: 2023-01-02]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

## 1.2. Security Team Secretary <[secteam-secretary@FreeBSD.org](mailto:secteam-secretary@FreeBSD.org)>

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pub 4096R/3CB2EAFCC3D6C666 2013-09-24 [expires: 2018-01-01]
Key fingerprint = FA97 AA04 4DF9 0969 D5EF 4ADA 3CB2 EAFc C3D6 C666
uid FreeBSD Security Team Secretary <secteam-secretary@FreeBSD.org>
sub 4096R/509B26612335EB65 2013-09-24 [expires: 2018-01-01]
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-----END PGP PUBLIC KEY BLOCK-----
```

### 1.3. Core Team Secretary <core-secretary@FreeBSD.org>

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pub  rsa4096/D8C8C83B49F26F17 2020-06-26 [SC] [expires: 2022-06-30]
     Key fingerprint = 4B64 E9E0 BDE9 B3EC C06B 5C66 D8C8 C83B 49F2 6F17
uid  FreeBSD Core Team Secretary <core-secretary@freebsd.org>
sub  rsa4096/377C937536E4821B 2020-06-26 [E] [expires: 2022-06-30]
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#### 1.4. Ports Management Team Secretary <portmgr-secretary@FreeBSD.org>

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      Key fingerprint = FB37 45C8 6F15 E8ED AC81 32FC D829 4EC3 BBC4 D7D5
uid   FreeBSD Ports Management Team Secretary <portmgr-
secretary@FreeBSD.org>
sub   rsa2048/5CC117965F65CFE7 2012-07-24 [E]
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### 1.5. <doceng-secretary@FreeBSD.org>

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pub  rsa2048/E1C03580AEB45E58 2019-10-31 [SC] [expires: 2022-10-30]
      Key fingerprint = F24D 7B32 B864 625E 5541 A0E4 E1C0 3580 AEB4 5E58
uid   FreeBSD Doceng Team Secretary <doceng-
secretary@freebsd.org>
sub  rsa2048/9EA8D713509472FC 2019-10-31 [E] [expires: 2022-10-30]

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## 2. Core Team Members

### 2.1. Baptiste Daroussin <bapt@FreeBSD.org>

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      Key fingerprint = 80E4 E3DE CB92 DAEA C65D 5537 6389 8BDC F1B7 3E5A
uid   [email] Baptiste Daroussin <bapt@FreeBSD.org>
uid   [email] Baptiste Daroussin <bapt@etoilebsd.net>
sub   rsa4096/35BAFBEB24FF27FB 2015-12-03
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## 2.2. Ed Maste <emaste@FreeBSD.org>

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pub  rsa4096/C6F5A1102002FBDF 2017-12-04 [SC] [expires: 2020-12-03]
      Key fingerprint = DA51 3FC9 889B 37BA 4387 BD9F C6F5 A110 2002 FBDF
uid  Ed Maste <emaste@freebsd.org>
sub  rsa4096/BE917E71357DB691 2017-12-04 [E] [expires: 2020-12-03]
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### 2.3. George V. Neville-Neil <gnn@FreeBSD.org>

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pub   rsa4096/D3EB383C47F5F375 2020-08-11 [SC] [expires: 2024-08-11]
      Key fingerprint = CD55 D022 491F 783E 1FC7 7F66 D3EB 383C 47F5 F375
uid   George Neville-Neil <gnn@neville-neil.com>
uid   George Neville-Neil <gnn@freebsd.org>
sub   rsa4096/2D00124E8C2C6FD4 2020-08-11 [E] [expires: 2024-08-11]
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## 2.4. Hiroki Sato <hrs@FreeBSD.org>

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## 2.5. Warner Losh <imp@FreeBSD.org>

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## 2.6. Kyle Evans <kevans@FreeBSD.org>

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## 2.7. Mark Johnston <markj@FreeBSD.org>

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      Key fingerprint = 0062 0D9D 91BD 1FA0 DD26 B593 81EA 2FA7 9A85 78FF
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uwqiVYbcmNQR
=YZQD
-----END PGP PUBLIC KEY BLOCK-----
```

## 2.8. Scott Long <[scottl@FreeBSD.org](mailto:scottl@FreeBSD.org)>

```
pub 1024D/017C5EBF 2003-01-18 Scott A. Long (This is my official FreeBSD key)
<scottl@freebsd.org>
    Key fingerprint = 34EA BD06 44F7 F8C3 22BC B52C 1D3A F6D1 017C 5EBF
sub 1024g/F61C8F91 2003-01-18
```

```
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Version: GnuPG v1.2.1 (FreeBSD)
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=C3Jv
-----END PGP PUBLIC KEY BLOCK-----
```

## 2.9. Sean Chittenden <[seanc@FreeBSD.org](mailto:seanc@FreeBSD.org)>

```
pub rsa2048/D75366AADC79472D 2018-04-22 [SC] [expires: 2021-04-21]
    Key fingerprint = EF8C B8E1 2506 6786 0D47 4FF1 D753 66AA DC79 472D
uid                               Sean Chittenden <sean@chittenden.org>
uid                               Sean Chittenden <seanc@FreeBSD.org>
sub rsa2048/1F3FC65702B2794E 2018-04-22 [E] [expires: 2021-04-21]
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=xkHo
-----END PGP PUBLIC KEY BLOCK-----

```

## 3. Developers

### 3.1. Ariff Abdullah <ariff@FreeBSD.org>

```

pub 1024D/C5304CDA 2005-10-01
    Key fingerprint = 5C7C 6BF4 8293 DE76 27D9 FD57 96BF 9D78 C530 4CDA
uid                               Ariff Abdullah <skywizard@MyBSD.org.my>
uid                               Ariff Abdullah <ariff@MyBSD.org.my>
uid                               Ariff Abdullah <ariff@FreeBSD.org>
sub 2048g/8958C1D3 2005-10-01

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.2. Thomas Abthorpe <tabthorpe@FreeBSD.org>

```
pub 2048R/D9371097A473C990 2010-05-28
Key fingerprint = D883 2D7C EB78 944A 69FC 36A6 D937 1097 A473 C990
uid Thomas Abthorpe (FreeBSD Committer) <tabthorpe@FreeBSD.org>
uid Thomas Abthorpe <tabthorpe@abthorpe.org>
uid Thomas Abthorpe <tabthorpe@goodking.ca>
uid Thomas Abthorpe <tabthorpe@goodking.org>
uid Thomas Abthorpe <thomas@goodking.ca>
sub 2048R/A9484A518CA60EE0 2010-05-28
sub 4096R/6E5336965F6F299B 2013-09-30
sub 4096R/D3B28F7B07A7CC00 2013-09-30
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### 3.3. Eitan Adler <eadler@FreeBSD.org>

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pub 4096R/8FC8196C 2011-02-11
Key fingerprint = 49C7 29DF E09C 0FC7 A1C4 6ECB A338 A6FC 8FC8 196C
uid Eitan Adler <lists@eitanadler.com>
sub 4096R/18763D51 2011-02-11
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### 3.4. Matthew Ahrens <mahrens@FreeBSD.org>

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pub 2048R/9A9ECAFE896EC4F 2014-04-08 [expires: 2017-04-07]
Key fingerprint = 998A 25DF CA35 CC0B 1C14 39F4 9A9E CAFE E896 EC4F
uid Matthew Ahrens <matt@mahrens.org>
uid Matthew Ahrens <matthew.ahrens@delphix.com>
uid Matthew Ahrens <mahrens@alumni.brown.edu>
uid Matthew Ahrens <mahrens@freebsd.org>
uid Matthew Ahrens <mahrens@delphix.com>
sub 2048R/1137F565976A0587 2014-04-08 [expires: 2017-04-07]
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Comment: GPGTools - https://gpgtools.org
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### 3.5. Shaun Amott <[shaun@FreeBSD.org](mailto:shaun@FreeBSD.org)>

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pub 1024D/6B387A9A 2001-03-19
Key fingerprint = B506 E6C7 74A1 CC11 9A23 5C13 9268 5D08 6B38 7A9A
uid Shaun Amott <shaun@inerd.com>
uid Shaun Amott <shaun@FreeBSD.org>
sub 2048g/26FA8703 2001-03-19
sub 2048R/7FFF5151 2005-11-06
sub 2048R/27C54137 2005-11-06

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.6. Henrik Brix Andersen <brix@FreeBSD.org>

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pub 1024D/54E278F8 2003-04-09
Key fingerprint = 7B63 EF32 7831 A704 220D 7E61 BFE4 387E 54E2 78F8
uid Henrik Brix Andersen <henrik@brixandersen.dk>
uid Henrik Brix Andersen <brix@FreeBSD.org>
uid Henrik Brix Andersen <hbn@terma.com>
uid Henrik Brix Andersen <brix@osaa.dk>
sub 1024g/3B13C209 2003-04-09
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### 3.7. Matthias Andree <mandree@FreeBSD.org>

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### 3.8. Will Andrews <will@FreeBSD.org>

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### 3.9. Dimitry Andric <dim@FreeBSD.org>

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### 3.10. Eric Anholt <anholt@FreeBSD.org>

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pub 1024D/6CF0EAF7 2003-09-08
    Key fingerprint = 76FE 2475 820B B75F DCA4 0F3E 1D47 6F60 6CF0 EAF7
uid                               Eric Anholt <eta@clark.edu>
uid                               Eric Anholt <anholt@FreeBSD.org>
sub 1024g/80B404C1 2003-09-08
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### 3.11. Fernando Apestegua <fernape@FreeBSD.org>

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uid                               Fernando Apestegua <fernando.apestegua@gmail.com>
uid                               Fernando Apestegua <fernape@FreeBSD.org>
sub rsa2048/D6A9B96A0E696E0E 2018-03-09 [E] [caduca: 2021-03-08]
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### 3.12. Marcus von Appen <mva@FreeBSD.org>

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pub 1024D/B267A647 2009-02-14
Key fingerprint = C7CC 1853 D8C5 E580 7795 B654 8BAF 3F12 B267 A647
uid Marcus von Appen <freebsd@sysfault.org>
uid Marcus von Appen <mva@freebsd.org>
sub 2048g/D34A3BAF 2009-02-14
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.13. Marcelo Araujo <araujo@FreeBSD.org>

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pub 1024D/53E4CFA8 2007-04-27
    Key fingerprint = 9D6A 2339 925C 4F61 ED88 ED8B A2FC 4977 53E4 CFA8
uid                               Marcelo Araujo (Ports Committer) <araujo@FreeBSD.org>
sub 2048g/63CC012D 2007-04-27
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.14. Mathieu Arnold <mat@FreeBSD.org>

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pub rsa4096/3A4516F35183CE48 2013-09-23 [SC] [expires: 2021-09-20]
    Key fingerprint = 3AB6 9789 D2ED 1210 6440 BA5B 3A45 16F3 5183 CE48
uid                               Mathieu Arnold <mat@FreeBSD.org>
uid                               Mathieu Arnold <mat@mat.cc>
uid                               Mathieu Arnold <m@absolight.fr>
uid                               Mathieu Arnold <m@w2my.net>
uid                               Mathieu Arnold <mat@coopacomp.fr>
sub rsa4096/A99F9AA711E3DFC9 2013-09-23 [E] [expires: 2021-09-20]
    Key fingerprint = CCE8 22F3 DFA7 F33B 765C 1B72 A99F 9AA7 11E3 DFC9
sub ed25519/7452CD3238E991B0 2019-08-06 [A] [expires: 2021-09-20]
    Key fingerprint = 5B89 C4BE 2DC5 67A6 D383 7B55 7452 CD32 38E9 91B0

pub rsa4096/29EB0902911D7E02 2020-02-05 [SCEA] [expires: 2025-02-03]
    Key fingerprint = 561C 1C85 F45F B95D 2E9E A3B9 29EB 0902 911D 7E02
uid                               Mathieu Arnold <mat@mat.cc>
uid                               Mathieu Arnold <mat@coopacomp.fr>
uid                               Mathieu Arnold <m@absolight.fr>
uid                               Mathieu Arnold <mat@FreeBSD.org>
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.15. Takuya ASADA <syuu@FreeBSD.org>

```

pub 2048R/43788F78 2012-11-21
    Key fingerprint = 31CE 242E 6F4F F24F EE4 D9BB 0890 2C5F 4378 8F78
uid Takuya ASADA <syuu@freebsd.org>
sub 2048R/A87B0906 2012-11-21

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.16. Satoshi Asami <asami@FreeBSD.org>

```
pub 1024R/1E08D889 1997-07-23 Satoshi Asami <asami@cs.berkeley.edu>
Key fingerprint = EB 3C 68 9E FB 6C EB 3F DB 2E 0F 10 8F CE 79 CA
uid Satoshi Asami <asami@FreeBSD.ORG>
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.17. Gavin Atkinson <gavin@FreeBSD.org>

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pub  rsa4096/4DA114E5C4A2E57F 2013-09-25 [SC] [expires: 2020-09-15]
     Key fingerprint = A12B D878 2A5E A90F D37C 43BC 4DA1 14E5 C4A2 E57F
uid  Gavin Atkinson (Work email) <gavin.atkinson@york.ac.uk>
uid  Gavin Atkinson (Work email - deprecated) <ga9@york.ac.uk>
uid  Gavin Atkinson (URY email) <gavin.atkinson@ury.york.ac.uk>
uid  Gavin Atkinson (FreeBSD key) <gavin@FreeBSD.org>
sub  rsa4096/443BBD9486DFCC25 2013-09-25 [E] [expires: 2020-09-15]
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### 3.18. Joseph S. Atkinson <[jsa@FreeBSD.org](mailto:jsa@FreeBSD.org)>

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pub 2048R/21AA7B06 2010-07-14
    Key fingerprint = 5B38 63B0 9CCA 12BE 3919 9412 CC9D FC84 21AA 7B06
uid                               Joseph S. Atkinson <jsa@FreeBSD.org>
uid                               Joseph S. Atkinson <jsa.bsd@gmail.com>
uid                               Joseph S. Atkinson <jsa@wickedmachine.net>
sub 2048R/5601C3E3 2010-07-14

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### 3.19. Philippe Audeoud <jadawin@FreeBSD.org>

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pub 4096R/3D5DD05DE3EDC705 2014-05-27 [expires: 2016-05-26]
Key fingerprint = C1CA C5C4 F29A 40BF 507A D85B 3D5D D05D E3ED C705
uid Philippe Audeoud <jadawin@tuxaco.net>
uid Philippe Audeoud (Main ID) <philippe@tuxaco.net>
uid Philippe Audeoud (FreeBSD) <jadawin@FreeBSD.org>
sub 4096R/BC29A282B624266C 2014-05-27 [expires: 2016-05-26]
sub 4096R/705007E333EEE843 2014-05-27 [expires: 2016-05-26]

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### 3.20. Jason W. Bacon <jwb@FreeBSD.org>

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pub  rsa2048/7F9CE8B2CC3657CA 2017-03-06 [SC] [expires: 2020-03-05]
      Key fingerprint = 23BB 95C5 33EA 3D5E 995A 67B7 7F9C E8B2 CC36 57CA
uid      Jason Bacon <bacon4000@gmail.com>
sub  rsa2048/B028CCED602112CE 2017-03-06 [E] [expires: 2020-03-05]
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### 3.21. Eric Badger <badger@FreeBSD.org>

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pub  rsa2048/62E500965A3F24AC 2016-07-01 [SC] [expires: 2019-07-01]
      Key fingerprint = 3A9E 8013 BCA7 C945 8253 7759 62E5 0096 5A3F 24AC
uid  Eric Badger <badger@FreeBSD.org>
uid  Eric Badger <eric@badgerio.us>
sub  rsa2048/CD9CE570245C6BAA 2016-07-01 [E] [expires: 2019-07-01]

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**3.22. Danilo G. Baio <[dbaio@FreeBSD.org](mailto:dbaio@FreeBSD.org)>**

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pub 4096R/9A937B2DF32E88D7 2017-02-02 [expires: 2022-02-04]
Key fingerprint = 3918 F451 3B23 CC2C BE7A 7224 9A93 7B2D F32E 88D7
uid Danilo G. Baio (dbaio) <dbaio@bsd.com.br>
uid Danilo G. Baio <dbaio@FreeBSD.org>
sub 4096R/352413A12CD63C23 2017-02-02 [expires: 2022-02-04]
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### 3.23. Timur I. Bakeyev <timur@FreeBSD.org>

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### 3.24. John Baldwin <jhb@FreeBSD.org>

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### 3.25. Glen Barber <gjb@FreeBSD.org>

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### 3.26. Nick Barkas <[snb@FreeBSD.org](mailto:snb@FreeBSD.org)>

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pub 2048R/DDADB9DC 2010-07-27
Key fingerprint = B678 6ECB 303D F580 A050 098F BDFD 4F3D DDAD B9DC
uid S. Nicholas Barkas <snb@freebsd.org>
sub 2048R/36E181FB 2010-07-27
sub 2048R/BDA4BED3 2010-07-29
sub 2048R/782A8737 2010-07-29
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### 3.27. Simon Barner <barner@FreeBSD.org>

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pub 1024D/EBADA82A 2000-11-10
Key fingerprint = 67D1 3562 9A2F 3177 E46A 35ED 0A49 FEFD EBAD A82A
uid Simon Barner <barner@FreeBSD.org>
uid Simon Barner <barner@in.tum.de>
uid Simon Barner <barner@informatik.tu-muenchen.de>
uid Simon Barner <barner@gmx.de>
sub 2048g/F63052DE 2000-11-10
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### 3.28. Loïc Bartoletti <[lbartoletti@FreeBSD.org](mailto:lbartoletti@FreeBSD.org)>

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pub  rsa4096/8F4C59E3CD867513 2020-01-07 [SC] [expires: 2023-01-06]
      Key fingerprint = AEFB A259 B799 15D4 6594 151F 8F4C 59E3 CD86 7513
uid   Loïc Bartoletti (Tuxfamily) <lbartoletti@tuxfamily.org>
uid   Loïc Bartoletti (FreeBSD) <lbartoletti@FreeBSD.org>
sub  rsa4096/589D7CED318EB7C4 2020-01-07 [E] [expires: 2023-01-06]
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### 3.29. Jan Beich <jbeich@FreeBSD.org>

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pub 2048R/E4C77883479DBDD 2015-01-05 [expires: 2018-01-04]
    Key fingerprint = DB44 3674 C7D2 3578 6E14 92CE E4C7 7883 479D BDD
uid                               Jan Beich <jbeich@FreeBSD.org>
uid                               Jan Beich <jbeich@vemail.net>
sub 2048R/4E6607EF660A8DEC 2015-01-05 [expires: 2018-01-04]

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.30. Artem Belevich <art@FreeBSD.org>

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pub 2048R/9ED4C836 2011-03-28
    Key fingerprint = 7400 D541 07ED 3DF3 3E97 F2D5 8BDF 101C 9ED4 C836
uid                               Artem Belevich <artemb@gmail.com>

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uid          Artem Belevich <art@freebsd.org>
sub          2048R/55B0E4EB 2011-03-28
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.31. Anton Berezin <[tobez@FreeBSD.org](mailto:tobez@FreeBSD.org)>

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pub          1024D/7A7BA3C0 2000-05-25 Anton Berezin <tobez@catpipe.net>
```

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Key fingerprint = CDD8 560C 174B D8E5 0323 83CE 22CA 584C 7A7B A3C0
uid Anton Berezin <tobez@tobez.org>
uid Anton Berezin <tobez@FreeBSD.org>
sub 1024g/ADC71E87 2000-05-25
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.32. Damien Bergamini <damien@FreeBSD.org>

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pub 2048R/D129F093 2005-03-02
Key fingerprint = D3AB 28C3 1A4A E219 3145 54FE 220A 7486 D129 F093
uid Damien Bergamini <damien.bergamini@free.fr>
uid Damien Bergamini <damien@FreeBSD.org>
sub 2048R/9FBA73A4 2005-03-02
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.33. Gordon Bergling <[gbe@FreeBSD.org](mailto:gbe@FreeBSD.org)>

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pub  rsa2048/3905F657CACFD3DC 2020-06-09 [SC] [expires: 2023-06-09]
      Key fingerprint = 61B5 88D0 A639 5FBC 87FC 5CB8 3905 F657 CACF D3DC
uid  Gordon Bergling <gbe@FreeBSD.org>
sub  rsa2048/DE2EFAFAB925ACFE 2020-06-09 [E] [expires: 2023-06-09]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.34. Brandon Bergren <[bdragon@FreeBSD.org](mailto:bdragon@FreeBSD.org)>

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pub  rsa4096/11E60EE48F0EDA29 2019-06-01 [C] [expires: 2022-05-31]
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OpenPGP Keys

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Key fingerprint = 7470 A88B 991D 5FBC 30AC A85F 11E6 0EE4 8F0E DA29
uid          Brandon Bergren <bdragon@FreeBSD.org>
sub rsa4096/55CDF81FA3E38DA4 2019-06-01 [E] [expires: 2021-05-31]
sub rsa4096/130DB795E837ED35 2019-06-01 [S] [expires: 2021-05-31]
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### 3.35. Tobias C. Berner <tcberner@FreeBSD.org>

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pub  rsa2048/021DB73A50293AD0 2017-09-08 [SC] [expires: 2023-01-04]
    Key fingerprint = BA58 38E2 61D1 A3C8 0960 C50B 021D B73A 5029 3AD0
uid          Tobias Christian Berner <tcberner@FreeBSD.org>
uid          Tobias Christian Berner <tcberner@gmail.com>
sub  rsa2048/F06E731A05C1E357 2017-09-08 [E] [expires: 2023-01-04]
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### 3.36. Tim Bishop <[tdb@FreeBSD.org](mailto:tdb@FreeBSD.org)>

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pub  rsa4096/6C226B37FDF38D55 2013-08-07 [SC] [expires: 2021-08-22]
     Key fingerprint = 4BD9 5F90 8A50 40E8 D26C D681 6C22 6B37 FDF3 8D55
uid   Tim Bishop <tim@bishnet.net>
uid   Tim Bishop <T.D.Bishop@kent.ac.uk>
uid   Tim Bishop <tdb@FreeBSD.org>
uid   Tim Bishop <tdb@i-scream.org>
sub  rsa4096/4F748D5A25CEA948 2013-08-07 [E] [expires: 2021-08-22]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.37. Grzegorz Blach <gblach@FreeBSD.org>

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pub rsa2048/522D783808809986 2015-10-11 [expires: 2018-10-10]
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Key fingerprint = 3177 46ED D8A4 1544 E2E2 4420 522D 7838 0880 9986
uid      Grzegorz Blach <gblach@FreeBSD.org>
uid      Grzegorz Blach <grzegorz@blach.pl>
sub      rsa2048/248FCA5269C6306A 2015-10-11 [expires: 2018-10-10]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.38. Martin Blapp <[mbr@FreeBSD.org](mailto:mbr@FreeBSD.org)>

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pub 1024D/D300551E 2001-12-20 Martin Blapp <mbr@imp.ch>
Key fingerprint = B434 53FC C87C FE7B 0A18 B84C 8686 EF22 D300 551E
sub 1024g/998281C8 2001-12-20

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.39. Warren Block <[wblock@FreeBSD.org](mailto:wblock@FreeBSD.org)>

```

pub  rsa2048/BB37E0C846CB85CF 2014-03-13 [SC] [expires: 2018-03-04]
     Key fingerprint = EC53 662F FEFE D6F4 2DBA B483 BB37 E0C8 46CB 85CF
uid  Warren Block <wblock@wonkity.com>
uid  Warren Block <wblock@FreeBSD.org>
sub  rsa2048/D79E292E145902B5 2014-03-13 [E] [expires: 2018-03-04]

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=73kN
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```

### 3.40. Vitaly Bogdanov <[bvs@FreeBSD.org](mailto:bvs@FreeBSD.org)>



```
pub 1024D/B32017F7 2005-10-02 Vitaly Bogdanov <gad@gad.glazov.net>  
Key fingerprint = 402E B8E4 53CB 22FF BE62 AE35 A0BF B077 B320 17F7  
uid Vitaly Bogdanov <bvs@freebsd.org>  
sub 1024g/0E88C62E 2005-10-02
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-----END PGP PUBLIC KEY BLOCK-----

### 3.41. Zbigniew Bodek <[zbb@FreeBSD.org](mailto:zbb@FreeBSD.org)>

```
pub 2048R/C32C9921 2013-09-04 [expires: 2018-09-03]  
Key fingerprint = B3EF DAFC C938 03EE 7B1B 5748 0EBE 8E50 C32C 9921  
uid Zbigniew Bodek <zbb@FreeBSD.org>  
sub 2048R/62B40108 2013-09-04 [expires: 2018-09-03]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.42. Roman Bogorodskiy <novel@FreeBSD.org>

```
pub 2048R/08C2226A 2010-12-03
Key fingerprint = 8BA4 DF2A D14F 99B6 37E0 0070 C96D 5FFE 08C2 226A
uid Roman Bogorodskiy <bogorodskiy@gmail.com>
uid Roman Bogorodskiy <novel@FreeBSD.org>
uid Roman Bogorodskiy <rbogorodskiy@apache.org>
uid Roman Bogorodskiy <rbogorodskiy@griddynamics.com>
sub 2048R/EC4ED237 2010-12-03
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=Iduw
-----END PGP PUBLIC KEY BLOCK-----
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### 3.43. Renato Botelho <[garga@FreeBSD.org](mailto:garga@FreeBSD.org)>

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pub   rsa2048/6A5918C8F4222329 2020-06-03 [SC] [expires: 2023-06-03]
      Key fingerprint = 48B7 0638 B779 1114 9400 2749 6A59 18C8 F422 2329
uid   Renato Botelho (FreeBSD) <garga@FreeBSD.org>
uid   Renato Botelho (FreeBSD) <garga.bsd@gmail.com>
uid   Renato Botelho (Personal) <rbgarga@gmail.com>
sub   rsa2048/70F73941F80D196B 2020-06-03 [E] [expires: 2023-06-03]
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=TFvG
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-----END PGP PUBLIC KEY BLOCK-----

**3.44. Kevin Bowling** <[kbowling@FreeBSD.org](mailto:kbowling@FreeBSD.org)>

```
pub  rsa2048/CC8E1451796210B8 2014-07-09 [SC] [expires: 2024-08-27]
      Key fingerprint = 12EC 6F2E D4BE 01F7 42CE 67E3 CC8E 1451 7962 10B8
uid   Kevin Bowling <kbowling@FreeBSD.org>
uid   Kevin Bowling <kevin.bowling@kev009.com>
sub  rsa2048/BADD4390F9BFD0EF 2014-07-09 [E] [expires: 2024-08-27]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

**3.45. Alexander Botero-Lowry** <[alexbl@FreeBSD.org](mailto:alexbl@FreeBSD.org)>

```
pub  1024D/12A95A7B 2006-09-13
      Key fingerprint = D0C3 47F8 AE87 C829 0613 3586 24DF F52B 12A9 5A7B
uid   Alexander Botero-Lowry <alexbl@FreeBSD.org>
sub  2048g/CA287923 2006-09-13
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.46. Sofian Brabez <[sbz@FreeBSD.org](mailto:sbz@FreeBSD.org)>

```
pub 1024D/2487E57E 2011-03-15 [expires: 2016-03-14]
    Key fingerprint = 05BA DC7E F628 DE3F B241 BFBB 7363 51F4 2487 E57E
uid Sofian Brabez <sbrabez@gmail.com>
uid Sofian Brabez <sbz@FreeBSD.org>
uid Sofian Brabez <sbz@6dev.net>
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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=4ffd
-----END PGP PUBLIC KEY BLOCK-----
```



**3.47. Edson Brandi** <[ebrandi@FreeBSD.org](mailto:ebrandi@FreeBSD.org)>

```

pub 3072R/FFD3035B 2012-11-26 [expires: 2017-11-25]
    Key fingerprint = 443B 5363 564F 06C3 EA54 9482 209E 9B54 FFD3 035B
uid          Edson Brandi <ebrandi@FreeBSD.org>
uid          Edson Brandi <ebrandi@fugspr.org>
uid          Edson Brandi <ebrandi@ebrandi.eti.br>
uid          Edson Brandi <edson.brandi@gmail.com>
uid          Edson Brandi <ebrandi@primeirospassos.org>
uid          Edson Brandi <ebrandi@gmail.com>
uid          Edson Brandi <ebrandi@fug.com.br>
uid          Edson Brandi <contato@edsonbrandi.com>
uid          Edson Brandi (Born 1977-08-14 in S. S. DA GRAMA, SP - Brazil)
sub 3072R/A34B8175 2012-11-26 [expires: 2013-11-26]
sub 3072R/4EB0E0EA 2012-11-26 [expires: 2013-11-26]
sub 3072R/89917E73 2012-11-26 [expires: 2013-11-26]

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Comment: GPGTools - http://gpgtools.org

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pub  rsa2048/3378CB31A103BE6A 2016-11-14 [SC] [expires: 2019-11-14]
     Key fingerprint = B1F2 B348 577C 057B 0317 600F 3378 CB31 A103 BE6A
uid  David Bright <dab@freebsd.org>
sub  rsa2048/2DCA963E5192E094 2016-11-14 [E] [expires: 2019-11-14]
     Key fingerprint = DC65 16EB 9202 5574 EA10 AB7E 2DCA 963E 5192 E094
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=b3va
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.49. Hartmut Brandt <[harti@FreeBSD.org](mailto:harti@FreeBSD.org)>

```

pub 1024D/5920099F 2003-01-29 Hartmut Brandt <brandt@fokus.fraunhofer.de>
    Key fingerprint = F60D 09A0 76B7 31EE 794B BB91 082F 291D 5920 099F
uid                               Hartmut Brandt <harti@freebsd.org>
sub 1024g/21D30205 2003-01-29

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Version: GnuPG v1.2.1 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.50. Oliver Braun <[obraun@FreeBSD.org](mailto:obraun@FreeBSD.org)>

```

pub 1024D/EF25B1BA 2001-05-06 Oliver Braun <obraun@unsane.org>
    Key fingerprint = 6A3B 042A 732E 17E4 B6E7 3EAF C0B1 6B7D EF25 B1BA
uid                               Oliver Braun <obraun@obraun.net>
uid                               Oliver Braun <obraun@freebsd.org>
uid                               Oliver Braun <obraun@haskell.org>
sub 1024g/09D28582 2001-05-06

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.51. Max Brazhnikov <makc@FreeBSD.org>

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pub 1024D/ACB3CD12 2008-08-18
Key fingerprint = 4BAA 200E 720A 0BD1 7BB0 9DFD FBD9 08C2 ACB3 CD12
uid Max Brazhnikov <makc@FreeBSD.org>
uid Max Brazhnikov <makc@issp.ac.ru>
sub 1024g/5FAA4088 2008-08-18
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.52. Jonathan M. Bresler <jmb@FreeBSD.org>

```
pub 1024R/97E638DD 1996-06-05 Jonathan M. Bresler <jmb@Bresler.org>
Key fingerprint = 31 57 41 56 06 C1 40 13 C5 1C E3 E5 DC 62 0E FB
uid Jonathan M. Bresler <jmb@FreeBSD.ORG>
uid Jonathan M. Bresler
uid Jonathan M. Bresler <Jonathan.Bresler@USi.net>
uid Jonathan M. Bresler <jmb@Frb.GOV>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.53. Antoine Brodin <antoine@FreeBSD.org>

```
pub 1024D/50CC2671 2008-02-03
Key fingerprint = F3F7 72F0 9C4C 9E56 4BE9 44EA 1B80 31F3 50CC 2671
uid Antoine Brodin <antoine@FreeBSD.org>
sub 2048g/6F4AFBE5 2008-02-03
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### 3.54. Diane Bruce <db@FreeBSD.org>

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pub 2048R/8E9CAA7B 2012-05-16
    Key fingerprint = 8B08 E022 705D 0083 64C4 5E60 5148 0C74 8E9C AA7B
uid Diane Bruce <db@db.net>
uid Diane Bruce <db@FreeBSD.org>
sub 2048R/932E5985 2012-05-16
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.55. Christian Brueffer <brueffer@FreeBSD.org>

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pub 4096R/A2E0582D3A67DC36 2013-09-23 [expires: 2018-10-23]  
Key fingerprint = 04D7 4375 648A B688 F821 57D2 A2E0 582D 3A67 DC36  
uid Christian Brueffer <christian@brueffer.de>  
uid Christian Brueffer <brueffer@FreeBSD.org>  
uid Christian Brueffer <christian.brueffer@med.lu.se>  
sub 4096R/78C8369847E16487 2013-09-23 [expires: 2018-10-23]
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-----END PGP PUBLIC KEY BLOCK-----

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**3.56. Markus Brüffer <markus@FreeBSD.org>**

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pub 1024D/78F8A8D4 2002-10-21
    Key fingerprint = 3F9B EBE8 F290 E5CC 1447 8760 D48D 1072 78F8 A8D4
uid Markus Brueffer <markus@brueffer.de>
uid Markus Brueffer <buff@hitnet.rwth-aachen.de>
uid Markus Brueffer <mbrueffer@mi.rwth-aachen.de>
uid Markus Brueffer <markus@FreeBSD.org>
sub 4096g/B7E5C7B6 2002-10-21

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.57. Sean Bruno <[sbruno@FreeBSD.org](mailto:sbruno@FreeBSD.org)>

```
pub 2048R/BDE4F5FE89B5FCB6 2017-06-12 [expires: 2021-06-17]
Key fingerprint = E8C4 E9F8 8035 04E1 E3F4 BA34 BDE4 F5FE 89B5 FCB6
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```
uid          Sean Bruno (FreeBSD Developer Key) <sbruno@freebsd.org>
sub 2048R/4113DB2707DB1D75 2017-06-12 [expires: 2021-06-17]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.58. Ruslan Bukin <br@FreeBSD.org>

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pub 2048R/10F5E66E 2013-09-04
Key fingerprint = 57DF DADB 15FE EF7A 14C9 1DF3 ABF4 AFEB 10F5 E66E
uid Ruslan Bukin <br@freebsd.org>
sub 2048R/A33057CA 2013-09-04
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7KMY+92j4sn8ErcQzwIesdyp3/4gz+H7EuqUrg4VwJTC/QZk4i revp20A0 rexXND
biC17sFJ06rowI0k5zzeFg910ujHQUwL4p6qTC8=
=ysoS
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.59. Oleg Bulyzhin <[oleg@FreeBSD.org](mailto:oleg@FreeBSD.org)>

```
pub dsa1024/AF22DCEF78CE105F 2004-02-06 [SC] [expires: 2017-01-01]
Key fingerprint = 98CC 3E66 26DE 50A8 DBC4 EB27 AF22 DCEF 78CE 105F
uid                               Oleg Bulyzhin <oleg@rinet.ru>
uid                               Oleg Bulyzhin <oleg@FreeBSD.org>
sub e1g1024/7644AEB2F747C159 2004-02-06 [E] [expires: 2017-01-01]

pub ed25519/A50DF9830DEFB187 2016-08-23 [SC] [expires: 2020-02-01]
Key fingerprint = 54DC 8880 4B98 73C4 18C3 6926 A50D F983 0DEF B187
uid                               Oleg Bulyzhin <oleg@FreeBSD.org>
uid                               Oleg Bulyzhin <oleg@rinet.ru>
sub cv25519/ECDE4D1D477AC498 2016-08-23 [E] [expires: 2020-02-01]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
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EcbuqLZTjYxxN5mxUYswtiNDmdWn+Ivmw46wT0L5Pu+B7W2KVl8mwwbAjuCg19hA
puTWN0zFkLDJIuLx9eVxnsEAI+QaAcE8H2L3XfPnkp6n680ZLW7FBZDD0YjCS4z
nhFg7Bca74t6vnn5Q4miLnDDy0PKZqMBD2nLUkCk/kMfe5uquDUWf/i6sFDww7d6I
9Ag4tUWLkxhAqaqomesfI2yS4o+QGTJgQdGU3IUOrnMJD7Ascwj7304lYuqYcaqT
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vAyGNxEfPQMVrSXHnFmK9A0cLcfsE24a3zw7So33asH2Ha9yYBrfKGrTCPZAsa
uUGrKbGmXQ0oXDjjqV4anvC2QI5pEJvMbhJ+Xyq5xQN73ttJxrQdT2xlZyBCdWx5
emhpbIA8b2xlZ0Byaw5ldC5ydT6IZAQTEQIAJAIBAwYLCQgHAWIDFQIDAxyCAQIE
AQIXgAUCV72ylwUJGESqWAAKCRcVItzveM4QX2SzAJsg9gfr1XW3zc+F57qXKh5d
HS/MKACfcoW/s0eLsWIEryK4/VzsfRh+6Qe0IE9sZwCgQnVseXpoaw4gPG9sZwDA
RnJLZUJTRC5vcmc+iGYEEEXCACyCGwMGcwkIBwMCBBUCAMEFgIDAQIEAQIXgAUC
V72yiwUJGESqWAAKCRcVItzveM4QX/INAJ9b9z2JxW8k/s2ygdhMIgcbyQRavGcg
isUjNoVWdqoyuoLW1/P02TYTYd25AQ0EQC0cNxAEAIUR6Uj/bLAu0/FSGDSCXfju
ThVT1lh1rCLQkbBwTxNiwHPHHSQRa654aoYbQdi9x6M7fzE6Uzmdj1Gs/UBYZhhs
r1kL+Ls/xuhe3Kh3E6lho11qPhjYXmFhk42VhtVl0cIkZ/Azgggycfql81H3bKwv
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YxbT9IRtrLAKYUVdsrctAJ9jDDhAK7f0V0rmHY4tcot66gjZYJgzBFe8Fu0WCSSg
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IEJ1bHl6aGluIDxvbgVnQEZYzWVCU0Qub3JnPoiCBBMCAAAQAhSDAh4BAheAAhkB
BQsJCAcDBRUKCQgLBRYDAGEABQJXvbRxBQkGeKiUAAoJEKUN+YMN77GHRcWA/i9h
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dA4uxBXinY366Gt4VDDzDbQdT2xlZyBCdWx5emhpbIA8b2xlZ0Byaw5ldC5ydT6I
fwQTfGgAJwIBAwULCQgHAgYVCAkKwIEFgIDAQIEAQIXgAUCV720cUJBNioLAQK
CRLCfmdDDe+Xh6bgAQCVV8ZVXKDB2vXz6k508VtMfplDE6IXIA50tRfFCERwwD/
UQUWZgJafVQ6X1boJYmeVKKpwjWIS78pCHd0swCfFww40ARXvBbtEgorBgEEAZdV
AQUBAQdAwtt+fqoayY5SKPrLEARZrzCK2440yc0v60R0eY3EVwcDAQgHiGcEGBYI
AA8CGwwFALe9tGQFCQZ4qJUACGkQpQ35gw3vsYc6BQD+I3HUvDK052aM9/EYSco9
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gLoH
=knjF
-----END PGP PUBLIC KEY BLOCK-----
```



**3.60. Michael Bushkov <bushman@FreeBSD.org>**

```
pub 1024D/F694C6E4 2007-03-11 [expires: 2008-03-10]
    Key fingerprint = 4278 4392 BF6B 2864 C48E 0FA9 7216 C73C F694 C6E4
uid                               Michael Bushkov <bushman@rsu.ru>
uid                               Michael Bushkov <bushman@freebsd.org>
sub 2048g/5A783997 2007-03-11 [expires: 2008-03-10]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibEXzleYRBADIqilbqBfzstvMByOY3QlvQD9QIGQLwZbziOMByQPwgzgbFk6x
0A7N0fSKONPTsLtIOSc+CbuyEfw5jJiXsQ30x71Zp2JTra/bTim/WwJKC5Kc+egl
CD6K07GMTCBb102m2x97G+rNjGS8n7Uf7ITgoj9QtXBjPAC3K1ZcPoAcjwCgobcT
q5MUrCqPHrnlZ87BnbT/3m0D/15hcV+qndPCShIqFTYbTSG18X7LBNTONZXmCm04
5dRcJrz4qLvsCYkBrm0CrKbYViQCQWiT7/G3Jzc+WtGFirYibUITxBprZuP99gX0
Hea3vgvdlje7eq3Dz7Hx9uFgn8pfw2wWLEgdkuYk72s3LSJN6+TGwZxuWnRYYJ1
H8XtBACpByr9qcCaJ9yNAwDbDZjh03zSeZoIQz6d/3tDv7SkzDLVyxErJc07CiHg
JlxN0+paX0gW06xKLmwSESerJVbxEIoejdkdXebqPEIQN+9Se6Q2tkefMMWd93IwL
MP8sXgUBE6PEmFzTwI1/Av+vr7aI1pPk+yIrkTV2KyC7yCULMrQlTWLjaGFlbCBC
dXNoa292IDxidXNobWfUQGZyZWvic2Qub3JnPohmBBMRAGAmBQJF85XmAhsDBQkB
4TOABgsJCAcDAGQVAggDBBYCAwEChgECF4AACGkQchbHPPaUxuSKQCdEAI0x9JT
lAxI0wL6ApsukCI1bgcAnjkybnn6t4WwYy7IvmwMMJJ17oe0tCBNaWNoYwVsIEJ1
c2hrb3YgPGJlc2htYw5AcnN1LnJlPohmBBMRAGAmBQJF85xpAhsDBQkB4TOABgsJ
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Iy9UW5BuBEYAoI22XNE30HvBdsmUyUvVji8yKt4auQINBEXzlgAQCADnAWwYquUZ
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zKT6fFNn3kq7Eq5xgijSK8+aTWOuHqFvxkhLiC0LuPK2TmQ+uIxjtu62LU52eZ
DDePyHFGVWqtKz99k1vGxZRf+vVXaKTBkGY3Pek04knpP5R0GA+JjL/Ew5o4Swn
FeD9aJ+xtZ9VqTUyl+U4XwIYLrcWzbqsbGp0D0jgry5Xhiggnrd7xtNSB9/44HuU
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4L8/nn1Nbu+PBNHamCHI
=zD+p
-----END PGP PUBLIC KEY BLOCK-----
```

**3.61. Adrian Chadd <adrian@FreeBSD.org>**

```
pub rsa2048/7CA5E05D69F3D0F3 2015-04-25 [expires: 2018-04-24]
    Key fingerprint = B4E0 4958 1F1C 5DA4 1634 BA5B 7CA5 E05D 69F3 D0F3
uid                               Adrian Chadd <adrian@freebsd.org>
sub rsa2048/2C3793946FA31D6C 2015-04-25 [expires: 2018-04-24]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFU63IYBCADyY7txJ6kTExpEfgc9g9VehBaNL0jp0VLAyrM6Sx62j0agMMJA
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IyrdTtL3ZJjrxj8nsS7L7EcS+aZq834eChba+uyOU16RnAwjxHpQUONIYNHK8Qxm
yUMW67g4DVfRw0vpdBJ2HfPEof/sZxSjyeH9wxdZEiJMqq8wBQNOjml4t+qsWKEa
gTw8GBJ10ZD/B/zZyUapSFCxxU0t04Rk52Tyyhaw6AdgYv04dzhTmPzAlOgY3PQZ
r5ynfMgRWeUH3jNw7GwbByHoLXvHELcUwLodABEBAAG0IUfKcmLhbiBDAgFkZCA8
YWRyaWfUQGZyZWvic2Qub3JnPokBPQQAQgAJwUCVTrchgIbAwUJBa0agAULCQgH
AgYVCAkKcWIEFgIDAQIEAQIXgAAKCRB8peBdafPQ823mB/0eIiyy7hen5oHZpvOE
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A/4fv2jzxK3qZwiVLkuJei6+9xKboY0W/vT0oIAMR+EPP+6wsBjc7rn3q0eI+lrc
kLJOUIhrOHLXCESwrrsuQ+RylqV3RI4tvhi40Y1WfhckzX+tG0Zn7hAfVrWdslyq
```



```
xuhib4Jv1M24lisXosbvWa2Ld0j6Juj2Mp762gyk255GBrI/KrEUiBTi21x3FVj8
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jTaiE0w4yAffca+6447WCyyIAjXaIxSgh5e10rCD1pUtvTsm1pNWIXjoJoXPnvit
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3IYCGwwFCQWjmoAACgkQfKXgXWnz0PPT1Af/Wf09pFPColQp+BBnBD20MJEAI5z
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=rZpW
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.62. Julien Charbon <jch@FreeBSD.org>

```
pub  rsa2048/AB375282AC74E10 2017-01-17 [expires: 2020-01-17]
     Key fingerprint = CCC2 3277 F6A7 4D42 56B3 C6C3 AB37 5282 2AC7 4E10
uid  Julien Charbon <julien.charbon@gmail.com>
sub  rsa2048/868BBF653D573377 2017-01-17 [expires: 2020-01-17]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
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7MCsCzSAVvZR9DQop54KpOw/9kwcCruk+1tdgp35lCsi8KTyq0UQBLPA0a+stvLP
eDgn82GI5YfdrZstRR6VvCGF2zVI6HKmEfr8ZcAaiUnH5gpoiFehoLJJFHdhm8ua
OkLYcBe6v02Podgg5qNjIx0aW4s5AieZWouTABEBAAG0KUp1bGl1biBdaGFyYm9u
IDxqdWxpZw4uY2hhcmJvbkbNbnWFpbC5jb20+iQE8BBMBcGAnBQJYffBtAhsDBQKf
o5qABQsJCAcDBRUKCQgLBRYDAgEAAh4BAheAAoJEKs3UoIqx04Q/JUH+NLZC8eG
3fjS3gUC4t17t0jrZQ6t28Wzg97LhsnKaSvT4CLeeg8w7bD3b0ii29cih/X7qi1c
YEYpmjA+mjtLtb8IqtXInZV3lrh/cdxatq/b2cQGahJypl6kffeJ21BvpftbtmPw
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eF7ASpDhbd04Fx6L2GuAm8MP05sLdnRQvRTzQNA04UbvDxxfZemPHTWefSGzswQS
d285krVFBkkZMPI1AajPEuhp2LndaR8mqHYocGntgzma5vMtTfGPBHZ6ACwMqAZ/
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CgAPBQJYffBtAhsMBQKfo5qAAoJEKs3UoIqx04QV9QH/iWJR/wiqFFvj5ZbYzYk
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Lkk=
=32sj
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.63. Neel Chauhan <nc@FreeBSD.org>

```
pub  rsa2048/BF34910513DF617D 2021-01-04 [SC] [expires: 2024-01-04]
     Key fingerprint = 1697 948F EB03 22DA 0D22 5CBD BF34 9105 13DF 617D
uid  Neel Chauhan <nc@FreeBSD.org>
uid  Neel Chauhan <neel@neelc.org>
sub  rsa2048/A9CB5A77D5E182C0 2021-01-04 [E] [expires: 2024-01-04]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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Ajp2CAkih4okVuEdE2hYqZw39Npxc1HCweT7ABEBAAG0HU5LZWwgQ2hhdWhhbiA8
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GAEKACYWIQQWL5SP6wMi2g0iXL2/NJEFE99hfQUcX/NzNgIbDAUJBa0agAAKRC/
NJEFE99hfdaCACuTgXB2gDpFdc1DtwDQ1e706fgXc/S6nogy5akQhu1ZdG0h13v
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=89C8
-----END PGP PUBLIC KEY BLOCK-----

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### 3.64. Jayachandran C. <[jchandra@FreeBSD.org](mailto:jchandra@FreeBSD.org)>

```

pub 1024D/3316E465 2010-05-19
    Key fingerprint = 320B DB08 4FE3 BCFD 60AF E4DB F486 015F 3316 E465
uid                               Jayachandran C. <jchandra@freebsd.org>
sub 2048g/1F7755F9 2010-05-19

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mQGIBEv0X0gRBAC9mFTzSKBVumLXJwWdkt7HvSRKo64Zs7B0/tYzt4dWVIZwWUC/
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.65. Jesus R. Camou <jcamou@FreeBSD.org>

```
pub 1024D/C2161947 2005-03-01
Key fingerprint = 274C B265 48EC 42AE A2CA 47D9 7D98 588A C216 1947
uid Jesus R. Camou <jcamou@FreeBSD.org>
sub 2048g/F8D2A8DF 2005-03-01
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### 3.66. Alonso Cárdenas Márquez <acm@FreeBSD.org>

```
pub rsa4096/82E1399C11E68208 2015-06-17 [caduca: 2018-06-16]
Huella de clave = 9485 3AA6 4C32 6543 2C83 8201 82E1 399C 11E6 8208
uid Alonso Cardenas Marquez <acm@FreeBSD.org>
sub rsa4096/8DAA3CCE41FD26B2 2015-06-17 [caduca: 2018-06-16]
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3.67. Pietro Cerutti <gahr@FreeBSD.org>

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pub  rsa4096/40993B5A4A8F3F12 2018-09-13 [SC] [expires: 2021-09-12]
      Key fingerprint = 546D E77C FA14 CEA4 480A D7FA 4099 3B5A 4A8F 3F12
uid  Pietro Cerutti <gahr@gahr.ch>
uid  Pietro Cerutti <gahr@FreeBSD.org>
sub  rsa4096/628EAA09AA81154B 2018-09-13 [E] [expires: 2021-09-12]
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### 3.68. Dmitry Chagin <dchagin@FreeBSD.org>

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pub 1024D/738EFCED 2009-02-27
    Key fingerprint = 3F3F 8B87 CE09 9E10 3606 6ACA D2DD 936F 738E FCED
uid          Dmitry Chagin <dchagin@freebsd.org>
uid          Dmitry Chagin (dchagin key) <chagin.dmitry@gmail.com>
sub 2048g/6A3DFDF9 2009-02-27
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### 3.69. Hye-Shik Chang <perky@FreeBSD.org>

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pub 1024D/CFDB4BA4 1999-04-23 Hye-Shik Chang <perky@FreeBSD.org>
    Key fingerprint = 09D9 57D6 58BA 44DD CAEC 71CD 0D65 2C59 CFDB 4BA4
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uid Hye-Shik Chang <hyeshik@gmail.com>  
sub 1024g/A94A8ED1 1999-04-23

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.70. Jonathan Chen <[jon@FreeBSD.org](mailto:jon@FreeBSD.org)>

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pub 1024D/2539468B 1999-10-11 Jonathan Chen <jon@spock.org>
    Key fingerprint = EE31 CDA1 A105 C8C9 5365 3DB5 C2FC 86AA 2539 468B
uid                               Jonathan Chen <jon@freebsd.org>
uid                               Jonathan Chen <chenj@rpi.edu>
uid                               Jonathan Chen <spock@acm.rpi.edu>
uid                               Jonathan Chen <jon@cs.rpi.edu>
sub 3072g/B81EF1DB 1999-10-11
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.71. Jonathan Anderson <[jonathan@FreeBSD.org](mailto:jonathan@FreeBSD.org)>

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uid Jonathan Anderson <jonathan.anderson@ieee.org>
uid Jonathan Anderson (MUN) <jonathan.anderson@mun.ca>
uid Jonathan Anderson (Cambridge)
    <jonathan.anderson@cl.cam.ac.uk>
uid Jonathan Anderson (FreeBSD) <jonathan@FreeBSD.org>
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### 3.72. Fukang Chen <loader@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.73. Luoqi Chen <luoqi@FreeBSD.org>

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pub 1024D/2926F3BE 2002-02-22 Luoqi Chen <luoqi@FreeBSD.org>
Key fingerprint = B470 A815 5917 D9F4 37F3 CE2A 4D75 3BD1 2926 F3BE
uid                               Luoqi Chen <luoqi@bricore.com>
uid                               Luoqi Chen <lchen@onetta.com>
sub 1024g/5446EB72 2002-02-22
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.74. Andrey A. Chernov <ache@FreeBSD.org>

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pub 2048R/A51C92FD0C8DF6CA 2014-08-09
Key fingerprint = 36A5 CEDA 5878 AAC1 4888 79FA A51C 92FD 0C8D F6CA
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uid                Andrey Chernov <cache@FreeBSD.org>
sub 2048R/85902C6618402312 2014-08-09
Key fingerprint = C8F1 E3F5 999F E916 FD0E AAE3 8590 2C66 1840 2312
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.75. Alexander V. Chernikov <melifaro@FreeBSD.org>

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pub 1024D/2675AB69 2008-02-17
Key fingerprint = 00D2 E063 2FB0 2990 C602 50FD C1C2 7889 2675 AB69
uid Alexander V. Chernikov <melifaro@yandex-team.ru>
uid Alexander V. Chernikov <melifaro@ipfw.ru>
uid Alexander V. Chernikov <melifaro@freebsd.org>
sub 4096g/BC64F40C 2008-02-17
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.76. Sean Chittenden <[seanc@FreeBSD.org](mailto:seanc@FreeBSD.org)>

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pub  rsa2048/D75366AADC79472D 2018-04-22 [SC] [expires: 2021-04-21]
      Key fingerprint = EF8C B8E1 2506 6786 0D47 4FF1 D753 66AA DC79 472D
uid          Sean Chittenden <sean@chittenden.org>
uid          Sean Chittenden <seanc@FreeBSD.org>
sub  rsa2048/1F3FC65702B2794E 2018-04-22 [E] [expires: 2021-04-21]
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.77. Junho CHOI <cjh@FreeBSD.org>

```
pub 1024D/E60260F5 2002-10-14 CHOI Junho (Work) <cjh@wdb.co.kr>
    Key fingerprint = 1369 7374 A45F F41A F3C0 07E3 4A01 C020 E602 60F5
uid                               CHOI Junho (Personal) <cjh@kr.FreeBSD.org>
uid                               CHOI Junho (FreeBSD) <cjh@FreeBSD.org>
sub 1024g/04A4FDD8 2002-10-14
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.2.0 (FreeBSD)
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.78. David Christensen <davidch@FreeBSD.org>

```
pub 4096R/6EF8EA544E261A57 2013-10-04 [expires: 2018-10-03]
    Key fingerprint = 6D3B 985F 2737 C936 F37D 93D6 6EF8 EA54 4E26 1A57
uid                               David Christensen (FreeBSD Committer Key)
    <davidch@freebsd.org>
sub 4096R/6B5D5DE299525D80 2013-10-04 [expires: 2018-10-03]
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### 3.79. Jonathan Chu <milki@FreeBSD.org>

```

pub 4096R/1DAACB3510D2041A 2013-12-16
Key fingerprint = 9F11 FB1D 917F CD6A 479D EA46 1DAA CB35 10D2 041A
uid Jonathan Chu (ports) <milki@FreeBSD.org>
sub 4096R/02DDC04CA046B32A 2013-12-16

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Uq6cTwIbDAKCRAdqss1ENIEGsjDEACZozQ5KAB6P9e8AZ5ngNojEYTDAlOCDczv
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=F12v
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.80. Crist J. Clark <cjc@FreeBSD.org>

```
pub 1024D/FE886AD3 2002-01-25 Crist J. Clark <cjclark@jhu.edu>
Key fingerprint = F04E CCD7 3834 72C2 707F 0A8F 259F 8F4B FE88 6AD3
uid Crist J. Clark <cjclark@alum.mit.edu>
uid Crist J. Clark <cjc@freebsd.org>
sub 1024g/9B6BAB99 2002-01-25
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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```



```

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=C4zW
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.81. Joe Marcus Clarke <marcus@FreeBSD.org>

```

pub 1024D/FE14CF87 2002-03-04 Joe Marcus Clarke (FreeBSD committer address)
<marcus@FreeBSD.org>
    Key fingerprint = CC89 6407 73CC 0286 28E4 AFB9 6F68 8F8A FE14 CF87
uid                               Joe Marcus Clarke <marcus@marcuscom.com>
sub 1024g/B9ACE4D2 2002-03-04

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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=Bu/6
-----END PGP PUBLIC KEY BLOCK-----

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### 3.82. Nik Clayton <nik@FreeBSD.org>

```

pub 1024D/2C37E375 2000-11-09 Nik Clayton <nik@freebsd.org>
    Key fingerprint = 15B8 3FFC DDB4 34B0 AA5F 94B7 93A8 0764 2C37 E375
uid                               Nik Clayton <nik@slashdot.org>

```

OpenPGP Keys

```
uid Nik Clayton <nik@crf-consulting.co.uk>
uid Nik Clayton <nik@ngo.org.uk>
uid Nik Clayton <nik@bsdi.com>
sub 1024g/769E298A 2000-11-09
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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PbUkrewAn0exWATudMNC4IQf18YvIII1t4Cn8
=9wNg
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.83. Benjamin Close <benjsc@FreeBSD.org>

```

pub 1024D/4842B5B4 2002-04-10
    Key fingerprint = F00D C83D 5F7E 5561 DF91 B74D E602 CAA3 4842 B5B4
uid          Benjamin Simon Close <Benjamin.Close@clearchain.com>
uid          Benjamin Simon Close <benjsc@FreeBSD.org>
uid          Benjamin Simon Close <benjsc@clearchain.com>
sub 2048g/3FA8A57E 2002-04-10

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### 3.84. Ngie Cooper <ngie@FreeBSD.org>

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pub  rsa4096/E4914D31978318DE 2018-12-24 [SC] [expires: 2023-12-24]
     Key fingerprint = B6FB 7137 A90E 9651 05DE 7997 E491 4D31 9783 18DE
uid  Enji Cooper <yaneurabeya@gmail.com>
sub  rsa4096/057B0DCA584EE2AC 2018-12-24 [E] [expires: 2023-12-24]
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### 3.85. Tijl Coosemans <tijl@FreeBSD.org>

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pub  rsa3072/1D518D7E8660210D 2019-09-23 [C] [expires: 2021-09-22]
     Key fingerprint = 48BB 4E9B 7C30 7589 A5C7 A255 1D51 8D7E 8660 210D
uid  T&#307;l Coosemans <tijl@coosemans.org>
uid  T&#307;l Coosemans <tijl@FreeBSD.org>
sub  rsa3072/CDCB89B73E6D5675 2019-09-23 [E] [expires: 2021-09-22]
     Key fingerprint = 09DF 4C09 3E52 711D 0E71 00D8 CDCB 89B7 3E6D 5675
sub  rsa3072/EEB0680F0BEEED58A 2019-09-23 [S] [expires: 2021-09-22]
     Key fingerprint = 19CE 2449 55F1 5DED A951 57C1 EEB0 680F 0BEE D58A

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### 3.86. Raphael Kubo da Costa <rakuco@FreeBSD.org>

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       Key fingerprint = 6911 54FE BA6E 6106 5789 7099 8DD0 7D21 18DC EED6
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3.87. Dave Cottlehuber <dch@FreeBSD.org>

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pub  rsa4096/7B6D7CF1E659C86A 2017-09-13 [SC] [expires: 2020-09-12]
      Key fingerprint = 9537 F38F EAFE 4059 D422 DBE9 7B6D 7CF1 E659 C86A
uid          Dave Cottlehuber <dch@FreeBSD.org>
sub  rsa4096/EDE33CA88915DC09 2017-09-13 [E] [expires: 2020-09-12]
      Key fingerprint = E617 B852 6DFE D644 5A65 5698 EDE3 3CA8 8915 DC09

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### 3.88. Alan L. Cox <alc@FreeBSD.org>

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pub 2048R/33E2893B 2013-06-15
Key fingerprint = FC7C 93FD 2C2C ABA5 C1D1 3E74 8513 043C 33E2 893B
uid Alan Cox <alc@FreeBSD.org>
uid Alan Cox <alc@cs.rice.edu>
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sub 2048R/693757AA 2013-06-15
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### 3.89. Olivier Cochard-Labbé <olivier@FreeBSD.org>

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pub  rsa4096/89A5246DC4C57722 2016-02-15
      Key fingerprint = 18D2 A78C 6BBA 0A5B 3A1A 4C7C 89A5 246D C4C5 7722
uid   Olivier Cochard <olivier@cochard.me>
uid   Olivier Cochard-Labbé <olivier@FreeBSD.org>
sub   rsa4096/BC44032DC2707BE0 2016-02-15
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.90. Jeb Cramer <jeb@FreeBSD.org>

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pub  rsa2048/03D8AF11FB449837 2018-10-31 [SC] [expires: 2021-10-30]
     Key fingerprint = 62D9 4FED 18C9 7C1D 9680 421E 03D8 AF11 FB44 9837
uid  Jeb Cramer <jeb@freebsd.org>
sub  rsa2048/8C5C3115E84A7CD4 2018-10-31 [E] [expires: 2021-10-30]

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### 3.91. Rebecca Cran <[bcran@FreeBSD.org](mailto:bcran@FreeBSD.org)>

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pub  rsa4096/0D022B5311BE1020 2018-04-16 [SCA] [expires: 2023-04-15]
      Key fingerprint = 1FB9 7D9B 644D D3BD E346 2BE2 0D02 2B53 11BE 1020
uid  Rebecca Cran <rebecca@bluestop.org>
uid  Rebecca Cran <bcran@freebsd.org>
sub  rsa4096/09ABD7DF293B1BCA 2018-04-16 [E] [expires: 2023-04-15]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.92. Frederic Culot <culot@FreeBSD.org>

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pub 1024D/34876C5B 2006-08-26
Key fingerprint = 50EE CE94 E43E BA85 CB67 262B B739 1A26 3487 6C5B
uid Frederic Culot <culot@FreeBSD.org>
uid Frederic Culot <frederic@culot.org>
sub 2048g/F1EF901F 2006-08-26
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=h8ph
-----END PGP PUBLIC KEY BLOCK-----
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### 3.93. Aaron Dalton <aaron@FreeBSD.org>

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pub 1024D/8811D2A4 2006-06-21 [expires: 2011-06-20]
Key fingerprint = 8DE0 3CBB 3692 992F 53EF ACC7 BE56 0A4D 8811 D2A4
uid Aaron Dalton <aaron@freebsd.org>
sub 2048g/304EE8E5 2006-06-21 [expires: 2011-06-20]
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### 3.94. Alfredo Dal'Ava Junior <alfredo@FreeBSD.org>

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pub rsa4096/72D464204FA02D14 2020-01-29 [SC] [expires: 2023-01-28]
Key fingerprint = DA2D AFB9 96F2 9661 8141 0A04 72D4 6420 4FA0 2D14
uid Alfredo Dal'Ava Junior <alfredo@freebsd.org>
sub rsa4096/DF8F858B2C0C8187 2020-01-29 [E] [expires: 2023-01-28]
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### 3.95. Baptiste Daroussin <bapt@FreeBSD.org>

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pub   rsa4096/63898BDCF1B73E5A 2015-12-03 [expires: 2025-12-06]  
      Key fingerprint = 80E4 E3DE CB92 DAEA C65D 5537 6389 8BDC F1B7 3E5A  
uid   Baptiste Daroussin <bapt@FreeBSD.org>  
uid   Baptiste Daroussin <bapt@etoilebsd.net>  
sub   rsa4096/35BAFBEB24FF27FB 2015-12-03
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.96. Ceri Davies <ceri@FreeBSD.org>

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pub 1024D/34B7245F 2002-03-08
    Key fingerprint = 9C88 EB05 A908 1058 A4AE 9959 A1C7 DCC1 34B7 245F
uid Ceri Davies <ceri@submonkey.net>
uid Ceri Davies <ceri@FreeBSD.org>
uid Ceri Davies <ceri@opensolaris.org>
sub 1024g/0C482CBC 2002-03-08
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### 3.97. Brad Davis <brd@FreeBSD.org>

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### 3.98. Eric Davis <edavis@FreeBSD.org>

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Key fingerprint = F368 53A8 E3CB 7135 3140 2AE4 F52D F060 EC55 83DD
uid Eric Davis <edavis@insanum.com>
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### 3.99. Paweł Jakub Dawidek <pjd@FreeBSD.org>

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    Key fingerprint = B1C5 F673 045B 6C7B AFFB 3A1D 954B 852B B128 5B75
uid  [ultimate] Paweł Jakub Dawidek <pjd@FreeBSD.org>
uid  [ultimate] Paweł Jakub Dawidek <pawel@dawidek.net>
uid  [ultimate] Paweł Jakub Dawidek <p.dawidek@wheelsystems.com>
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**3.100. Alexey Degtyarev <[alexey@FreeBSD.org](mailto:alexey@FreeBSD.org)>**

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pub 2048R/392CE63AA025BC4D 2013-11-08
    Key fingerprint = B347 13EF BDDA 45FE EEB1 9110 392C E63A A025 BC4D
uid                                     Alexey Degtyarev <alexey@freebsd.org>
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R6m0Wy/b7eCjreMCDdgy382fv019rac/NPmfI8HZRxlDHJUenm1nyGs2oLuRj8D
A8SHoHomqe7Aalx3dxTf69eGTpDagMX2cKdmCsFhsbGZWGIL+CTFffbdgFw8aH
ENfUPbd0ZK/r9/GjMtSDmHE0XVQkUFJ0aLiV1vU/5+IxpEyiQLRnQk6d0cRG2Em+
sNa5AQ0EU04SQEIAK5EjUZ0JpiMdRn3N0MPq9xoYXuddl0iyrveDtehXW+QiL2c
zPnUVGzvdGkvHPLYBH92zo3dxH2IUlsWMEjXjFs7ivHZ/gy4gPdd1qALpE9LUo9M
wqyVFnB64N9burnLR2jW3G9SjHJxDi7sVBtecvSkuBQAEQYTcky4eNdCEeJmBydm
HVLgy3QpdIttAMxot5nyPo/5FjIvLFipy01d2z6DZH8aXxNgXM0UYX3PPDFwlc2T
x0s2hYUHVefR0muuMoLYe6iZ8uLq+hHbi67tDHoTdraU80qpNnhUdR5N3vKx6otK
f4K1CQU0p9iqMdPwLIVYZfz6rKxMnYpmlL70F/UAEQEAAykbHwQYAIACQUcUn04
SQIbDAAKCRASL0Y6oCW8TTb8B/9dtMIySyZwEMye6z26z5A3smDjXVRNwp056n1T
fPLTLncwRYfUm6DM60/uTnS64Un46UtMTxeeD08yV2fiR3FAAMxg1ePQtyq4CVLj
IduKsEzWQLFPTT8viIxpF9y3qkE0Nh/DWPQZ9E7uDGuWdfsiJfGuFdbLRmsgtJ
9IHDiBSqwWejK57tQ0qg54UK1pALVgtjBfT77WKW5hVzGguCy8lPT7jLo4eGe5c
ygKsm2r5e6FSTU3QG1by5617lryYXVoyxeFmFzIvYnW5u0hrzCM0sCMFy7kuW1n4
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=bwuv
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.101. Brian S. Dean <[bsd@FreeBSD.org](mailto:bsd@FreeBSD.org)>**

```
pub 1024D/723BDEE9 2002-01-23 Brian S. Dean <bsd@FreeBSD.org>
    Key fingerprint = EF49 7ABE 47ED 91B3 FC3D 7EA5 4D90 2FF7 723B DEE9
sub 1024g/4B02F876 2002-01-23
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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mQGIBDx0CiIRBACyyoMk50yGd0kR0a4fj8zPJ2A0ielQ1BYv7JLIWdNeMHdQ0ggj
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QL90PPIc24Er670NnhF7Smvubus4IdckvM24kuUTINmiuFzVwuwWdXdwwvCght6R
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RGVhbiA8ynNkQEZYzWVCU0ub3JnPohXBBMRAGAXBQI8TgoiBQsHCgMEAXUDAgMW
AgECF4AACgkQTZAv93I73un4TwcFwQt0UeeEn9qstLTycDZF6oiKUusAn2dZRiNX
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aZdgi5XTVAsTL6AaygeLiAvSSUUu0xiD4JB7vxHYB7pyVg71/lg5moud8NP2HNKW
YR2mZjCQ9bHRQRqqPBTMrSHJpq10cZ6grxvVmtE/oc4cI35wL8HEe2WwChZgk0tS
```



```
YrA5PRt/UGWLLwAECwP/SxokqxcRa3LZqkpdwLgLWpyx1KNBg7wIJYLMALI0UxpS
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nhpikigC+GvndvmreMXYZtc9WvFeJT/S8LGDKDHcm0ECmBDo3EA8W0+s0QsZxk2I
RgQYEQIABgUCPE4KJAAKCRBNkC/3cjev6eroAKCCMN4s5AqvTy38BWmspFvSu90I
IwCfTGutfs+PGUY9JJJoabnnfJhfIgNA=
=MFJO
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.102. Carl Delsey <carl@FreeBSD.org>

```
pub 4096R/FB3B5D38 2013-01-15
Key fingerprint = F0E5 3849 C6C3 668B 68A3 BCC7 6031 E963 FB3B 5D38
uid Carl Delsey <carl@FreeBSD.org>
sub 4096R/256F29D3 2013-01-15
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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HQBWPV8Iq8XqjvvgIuoGEMHJRXXh/BqjE8er+rUXtyZqXD1MdxHoVpzdRopta9M9
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.103. Sergio Carlavilla Delgado <carlavilla@FreeBSD.org>

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pub  rsa2048/A5CBF1197F11F6DF 2019-05-25 [SC] [expires: 2022-05-24]
      Key fingerprint = 1A2E 31C0 27BC 5A60 5595 C2D8 A5CB F119 7F11 F6DF
uid   Sergio Carlavilla <carlavilla@FreeBSD.org>
sub  rsa2048/355B068E3B2B9218 2019-05-25 [E] [expires: 2022-05-24]
```

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bmm5vxDBR5n9gsSLZN7JlQcyBNMp3D8fiZM5pAyWzbn05AWSIwV/R4Kq01RC9GPH
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Og==
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.104. Johannes M. Dieterich <jmd@FreeBSD.org>

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pub  rsa4096/E8B1804C3F8BF511 2017-01-24 [SC] [expires: 2020-01-24]
      Key fingerprint = B96F 12C4 F458 1899 43AE 2959 E8B1 804C 3F8B F511
uid   Johannes M Dieterich <jmd@freebsd.org>
sub  rsa4096/4F65FFA7F943254A 2017-01-24 [E] [expires: 2020-01-24]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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BYxXa12Tvfma01sPXT9dzeVCSko0r/YZGinaX0kMBExJ6P7Cqhxd9Gi/Up+ZZq9
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JHaog/k56a5DR02pH9LqiYkuKr7I/L4MNZSd2fsyy4Yl6tbCASADeNbfR9GQhMs
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Qe7s8SIVzQUJGqvmZc3CHMREIhm01fhXWx2IwNoMnqFeYBhrC7nHJ0ff8BTJqGp
7vSDzjWtWNj/qhsLhKMqsZxFrgr+qLWE1lsdAqyryjg1M5zMcLJtdzJftFAKqUjK
GmPsoMnE/lfXxQ9rIHoaAww3uQetecLnEyQ9JZK6QBDjgZ040yKi03q/Peuh6c+7
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WWh7AdxIBdypE+yeqxo=
=cXsc
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.105. Vasil Dimov <vd@FreeBSD.org>

```
pub 1024D/F6C1A420 2004-12-08
Key fingerprint = B1D5 04C6 26CC 0D20 9525 14B8 170E 923F F6C1 A420
uid Vasil Dimov <vd@FreeBSD.org>
uid Vasil Dimov <vd@datamax.bg>
sub 4096g/A0148C94 2004-12-08
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibBEG3FBQRBACTPLU4+bnd9eNmB/xp170CQdMez/lpGrFwCYRh6w0RqUEt3AAL
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8H3bhY4xYA2VGHd13GrRYHtexGtVbBLtAex9Q+U0DBTmK047C4cnw2cZiwCg44yq
qn13LHY4WlhJ7WB75n6t4x8D/2tazzoHbKUZf7gxFaeeFFIDo7Qd2S4Sg0UZgy2b
J6Apl3TAKD/aL6Znh8YEn5ZyMBQzCrJEt5Fizw//nnUYKL/DMF0nVR2WeU87WnQM
wxKSoS1qNHpXrj5y5cDHHqi0SLdDJeBb8VGb9EE9oxG13kX91F5uwRj2m+YcUL7M
rdnoA/98GJVhBQLfCT7AIu8AeoWgMYdjUVSBQ7yZfMntrumfDqy47r2gFNEGMgRB
oN+wITfGhRw+GptP/TCZr0iqZkz+H1gqnuK+h0j6Jhvq9hY0kEI406JgaoozgvD
9pZEaN1q8/FiSinU0jJLfnja6RYhvx/P+3fWq7GPdK6Bt2kdlbQbVmFzaWwGRGlt
b3YgPHZkQGRhdGftYXguYmc+iF4EEExECAB4FAK63FBQCGwMGcwkIBwMCAxUCAwMw
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iGAEExECACAFakPwzoCGwMGcwkIBwMCAxUCAwMw
```

```
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hAwpB7ZMUiTkPvCv8C2ZUYdvCZEiDHSIr2jbdYjYXwU/Ry//aUnzPLoFmWmDzLl
IjUPMLL0FufcJpVH7vJS0TxDaVTnyrXSZbKlKUWYVCxSxoH07zFvWQ4s6QoIct3a
ouFmZIVlySDE4G0MdsHdoH0D/Z53d4Mfn41zhPYgEPAtR7g4xcvIq93MVHLFndys
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Isy1BIZ05XrYXU4MzS0khr4iJtap3UxJJaImxRBe0/z0//MI7BxD0pNw3zUDWt1w
LAR2DY/EyfrsX8SK/MdS4ds2j22rJdFGHux0+uHJ+eZC70pccVRqRPMMS4uDA77r
TpDB6VHEsqC9MTMkw47Bt5My/qzrn/DbAAw3qkI4kPfynmYmoNwiegtD8fYD0XR
JVLvQ7mnU0ZCHKcEh9Gjwppg21/4kewaPxlF1NXescn/proYpLv9uUwVHCHVfy
ntTKLgC22bchLUXrdbCaC7d4Xj8SdhKER1F14wqmDGJdY4hJBBgRagAJBQJBTxWJ
AhsMAAoJEBc0kj/2wa0qXEAoN8d1808ijz/VASozvQNLAK0gEdcAKDA7JkB9MnX
XmPkHj0KHcksqg/fYw==
=Yp1b
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.106. Roman Divacky <[rdivacky@FreeBSD.org](mailto:rdivacky@FreeBSD.org)>

```
pub 1024D/3DC2044C 2006-11-15
Key fingerprint = 6B61 25CA 49BC AAC5 21A9 FA7A 2D51 23E8 3DC2 044C
uid Roman Divacky <rdivacky@freebsd.org>
sub 2048g/39BDCE16 2006-11-15
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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RF5tYg2N3hngqioWr11t3BJn1qpHgSL+mJJRqf00c2U5XUKuxAvTWjARyqa2G+WiF
hPc1pmE9Ty2n9XkmT7G3jidTNHxbqsjEK00CZdLJH0kTuStUjn8Mz2PpvlZoj0Mo
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3I1WppEoQQw=
=50Wm
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.107. Alexey Dokuchaev <[danfe@FreeBSD.org](mailto:danfe@FreeBSD.org)>

```
pub 1024D/3C060B44 2004-08-23 Alexey Dokuchaev <danfe@FreeBSD.org>
   Key fingerprint = D970 08A4 922C 8D63 0C19 8D27 F421 76EE 3C06 0B44
sub 1024g/70BAE967 2004-08-23
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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v1Cl/ynm+M4X57Fy3xj fPHbUvHY/DNr9rqI0qsGU9qTubuB0+I647tjLFem8gae
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mUdHtM0Y6XYEcoCISQQYEQIACQUCQSnMBgIbDAAKCRD0IXbuPAYLRD9GAJ91NEgg
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=abIH
```

-----END PGP PUBLIC KEY BLOCK-----

### 3.108. Lutz Donnerhacke <[donner@FreeBSD.org](mailto:donner@FreeBSD.org)>

```
pub rsa2048/B5E56F5244938BAD 2021-01-14 [SC] [expires: 2024-01-14]
   Key fingerprint = 8427 D840 5F94 BF38 D7CA AF3B B5E5 6F52 4493 8BAD
uid                               Lutz Donnerhacke <donner@FreeBSD.org>
sub  rsa2048/1930B1F6594A1910 2021-01-14 [E] [expires: 2024-01-14]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBGAAdRMBCADUT2upVudnLSkdS/5pAlmcRIQSHzPebH0cWssdZnfyhvvl1MHA
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```



```
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=NM6g
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.109. Dima Dorfman <dd@FreeBSD.org>

```
pub 1024D/69FAE582 2001-09-04
    Key fingerprint = B340 8338 7DA3 4D61 7632 098E 0730 055B 69FA E582
uid          Dima Dorfman <dima@trit.org>
uid          Dima Dorfman <dima@unixfreak.org>
uid          Dima Dorfman <dd@freebsd.org>
sub 2048g/65AF3B89 2003-08-19 [expires: 2005-08-18]
sub 2048g/8DB0CF2C 2005-05-29 [expires: 2007-05-29]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
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bWfUIdXkaW1hQHRyaXQub3JnPohaBBMRAGaABQsHCgMEAxUDAgMWAqECF4ACGQEF
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wqM0LACdGZS6w22ACrd0nHQcl8u34qGcy+65Ag0EP0H2xBIAIAKqfY3rPrteNSuJ
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VLh0K/ksQ1NNwKqWrX4Z54cKV2LmtAZe5I0sLxvYulV4cP0rCeNZku42ehVvn40
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### 3.110. Bryan Drewery <[bdrewery@FreeBSD.org](mailto:bdrewery@FreeBSD.org)>

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### 3.111. Garance A Drosehn <gad@FreeBSD.org>

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pub 4096R/CBBBB1AECCAC052F 2015-04-25 [expires: 2022-06-25]
Key fingerprint = BF87 9EE6 2DBE 97B7 3039 1EF9 CBBB B1AE CCAC 052F
uid Garance Alistair Drosehn <drosehn@mac.com>
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-----END PGP PUBLIC KEY BLOCK-----
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**3.112. Olivier Duchateau <olivierd@FreeBSD.org>**

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pub 2048R/22431859 2012-05-28 [expires: 2017-05-27]
    Key fingerprint = C057 112A 4A27 B5F2 CD8F 6C9A FC5A 0167 2243 1859
uid          Olivier Duchateau <duchateau.olivier@gmail.com>
sub 2048R/63A85BDF 2012-05-28 [expires: 2017-05-27]
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-----END PGP PUBLIC KEY BLOCK-----
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**3.113. Bruno Ducrot <bruno@FreeBSD.org>**

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pub 1024D/7F463187 2000-12-29
    Key fingerprint = 7B79 E1D6 F5A1 6614 792F D906 899B 4D28 7F46 3187
uid          Ducrot Bruno (Poup Master) <ducrot@poupinou.org>
sub 1024g/40282874 2000-12-29
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.114. Alex Dupre <ale@FreeBSD.org>

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pub 1024D/CE5F554D 1999-06-27 Alex Dupre <sysadmin@alexdupre.com>
Key fingerprint = DE23 02EA 5927 D5A9 D793 2BA2 8115 E9D8 CE5F 554D
uid Alex Dupre <ale@FreeBSD.org>
uid [jpeg image of size 5544]
uid Alex Dupre <ICQ:5431856>
sub 2048g/FD5E2D21 1999-06-27
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**3.115. Rusmir Dusko** <nemysis@FreeBSD.org>

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pub 4096R/4C93E3D2 2013-05-01
    Key fingerprint = 6FEB 14C6 26D4 7E3A 57DE 487F B6B9 B8F6 4C93 E3D2
uid          nemysis <nemysis@FreeBSD.org>
sub 4096R/9CF8C13B 2013-05-01
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### 3.116. Peter Edwards <peadar@FreeBSD.org>

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pub 1024D/D80B4B3F 2004-03-01 Peter Edwards <peadar@FreeBSD.org>
Key fingerprint = 7A8A 9756 903E BEF2 4D9E 3C94 EE52 52F7 D80B 4B3F
uid Peter Edwards <pmedwards@eircom.net>

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### 3.117. Daniel Eischen <[deischen@FreeBSD.org](mailto:deischen@FreeBSD.org)>

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pub 4096R/7D15560B 2012-11-17
Key fingerprint = 0039 2133 69CA 14D3 236A E331 361A 68B2 7D15 560B
uid Daniel Eischen <deischen@FreeBSD.org>
sub 4096R/A51F81F7 2012-11-17
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HMh2cdEoNwrZpgN88AtvEgZpmJMco8SY06UrGuaAUI/PbgCJt3go4Bkld2BzBFxS
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V1Qg/X1/n+7KlH3yaeC5mz0Bqk08L7R0ECTPLZrnWbmcHZA5Cm6xywAnZDSqg9t
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0cB6DavnJ2lBFKfxfweuq6yw0fFaHkCDYq/SFKVs4f4cWAT6VxrEFVZVhxh7YQgE
3zJGU1u0vLCxqu624+rbcV3EQyh78hyUuVzyD4eUBoNT2bQM3YXTTsaKwqEDUUp
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```

0pSQjB82AMC/0yZFTQ70hnNSuHYTc80YG8dz40Zr+QzXN3z69+gfp50HXvevQuPU
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bwlGxw==
=J3ZL
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.118. Josef El-Rayas <josef@FreeBSD.org>

```

pub 2048R/A79DB53C 2004-01-04 Josef El-Rayas <josef@FreeBSD.org>
Key fingerprint = 58EB F5B7 2AB9 37FE 33C8 716B 59C5 22D9 A79D B53C
uid Josef EL-Rayas <josef@daemon.li>

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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am9zZWAZGfLbW9uLmXpPokB0gQTAQIAJAUCP/hl3QIbAwUJAeEzGAYLCQgHAwID
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.119. Lars Engels <lme@FreeBSD.org>

```

pub 2048R/E54CB37D3A089D6D 2014-03-10 [expires: 2017-03-09]
Key fingerprint = 8F40 017E 4DF5 3125 7AFE 5149 E54C B37D 3A08 9D6D
uid Lars Martin Engels <lars@bsd-geek.de>
uid Lars Martin Engels <lars.engels@0x20.net>
uid Lars Martin Engels <lars@0x20.net>
uid Lars Martin Engels <lme@FreeBSD.org>
sub 2048R/5AB391DB0BA67DBB 2014-03-10 [expires: 2017-03-09]
Key fingerprint = C31C 8DAA 4A95 2507 F065 C42D 5AB3 91DB 0BA6 7DBB

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```

```

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=YwTh
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.120. Udo Erdelhoff <ue@FreeBSD.org>

```

pub 1024R/E74FA871 1994-07-19 Udo Erdelhoff <uer@de.uu.net>
    Key fingerprint = 8C B1 80 CA 2C 52 73 81 FB A7 B4 03 C5 32 C8 67
uid                               Udo Erdelhoff <ue@nathan.ruhr.de>
uid                               Udo Erdelhoff <ue@freebsd.org>
uid                               Udo Erdelhoff <uerdelho@eu.uu.net>
uid                               Udo Erdelhoff <uerdelho@uu.net>

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

```

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eQP/bLmp1qSdkt2/BKchpx+lh0emCmT3LHQ1sNzelb7dBwnsvE3Z9l0yCh2pm1ro
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```

```
+YfLfDifcK+B2HRkPmt9ETY8b3/cYz+gbdKNe4nVde5KPT20ILVkyBFcmRLbGhv
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=TCJD
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.121. Ruslan Ermilov <ru@FreeBSD.org>

```
pub 1024D/996E145E 2004-06-02 Ruslan Ermilov (FreeBSD) <ru@FreeBSD.org>
Key fingerprint = 274E D201 71ED 11F6 9CCB 0194 A917 E9CC 996E 145E
uid Ruslan Ermilov (FreeBSD Ukraine) <ru@FreeBSD.org.ua>
uid Ruslan Ermilov (IPNet) <ru@ip.net.ua>
sub 1024g/557E3390 2004-06-02 [expires: 2007-06-02]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.122. Lukas Ertl <le@FreeBSD.org>

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pub 1024D/F10D06CB 2000-11-23 Lukas Ertl <le@FreeBSD.org>
    Key fingerprint = 20CD C5B3 3A1D 974E 065A B524 5588 79A9 F10D 06CB
uid          Lukas Ertl <a9404849@unet.univie.ac.at>
uid          Lukas Ertl <l.ertl@univie.ac.at>
uid          Lukas Ertl <le@univie.ac.at>
sub 1024g/5960CE8E 2000-11-23

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Version: GnuPG v1.2.5 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.123. Stefan Eßer <[se@FreeBSD.org](mailto:se@FreeBSD.org)>

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pub  rsa2048/47EBB5EF5AFDF544 2015-06-05 [SC] [verfällt: 2022-08-31]
     Schl.-Fingerabdruck = A371 EA65 9C0B ECC8 2B71 5313 47EB B5EF 5AFD F544
uid  Stefan Eßer (FreeBSD) <se@freebsd.org>
sub  rsa2048/ACCC7EFAB7B32CCA 2015-06-05 [E] [verfällt: 2022-08-31]
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### 3.124. Kyle Evans <kevans@FreeBSD.org>

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pub  ed25519/194EB41387470B7B 2018-06-16 [SC] [expires: 2021-06-15]
Key fingerprint = FBFF 642E E0D3 745C 2C13 FE4C 194E B413 8747 0B7B
uid  Kyle Evans <admin@sineful.com>
uid  Kyle Evans <kevans@FreeBSD.org>
uid  Kyle Evans <kevans91@ksu.edu>
uid  Kyle Evans <self@kyle-evans.net>
uid  Kyle Evans <admin@digispan.org>
uid  Kyle Evans <admin@audeuro.com>
sub  cv25519/68D6006ED44CA043 2018-06-16 [E] [expires: 2021-06-15]
sub  rsa4096/1014FBA83ABB6996 2018-06-16 [S] [expires: 2021-06-15]
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### 3.125. Brendan Fabeny <bf@FreeBSD.org>

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pub 4096R/F136475C268CE725 2017-03-13 [expires: 2020-03-12]
     Key fingerprint = 7C00 38F6 AC38 06FF DC23 49BC F136 475C 268C E725
uid                               Brendan Fabeny <bf@FreeBSD.org>
sub 4096R/F507B4059E04039E 2017-03-13 [expires: 2020-03-12]

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### 3.126. Sean Eric Fagan <sef@FreeBSD.org>

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pub  rsa2048/E2744B3B34F9D701 2018-04-04 [SC] [expires: 2021-04-04]
      Key fingerprint = 0A76 EA12 84E0 E2E7 C99F D142 E274 4B3B 34F9 D701
uid  Sean Eric Fagan <sef@kithrup.com>
uid  Sean Fagan <sef@FreeBSD.ORG>
sub  rsa2048/507856105750495C 2018-04-04 [E] [expires: 2021-04-04]
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### 3.127. Guido Falsi <madpilot@FreeBSD.org>

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pub 2048R/1AE6860E56CBD293 2012-04-12
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uid Guido Falsi <mad@madpilot.net>
uid Guido Falsi <guido@falsiborrelli.it>
uid Guido Falsi <madpilot@FreeBSD.org>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.128. Rong-En Fan <rafan@FreeBSD.org>

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pub 1024D/86FD8C68 2004-06-04
Key fingerprint = DC9E 5B4D 2DDA D5C7 B6F8 6E69 D78E 1091 86FD 8C68
uid Rong-En Fan <rafan@infor.org>
uid Rong-En Fan <rafan@csie.org>
uid Rong-En Fan <rafan@FreeBSD.org>
sub 2048g/42A8637E 2009-01-25 [expires: 2012-07-08]
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### 3.129. Dominic Fandrey <kami@FreeBSD.org>

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pub 2048R/6FF05D69A92A59DB 2014-09-18 [expires: 2017-09-17]
Key fingerprint = 7D88 4610 FFBB BA86 F17B C037 6FF0 5D69 A92A 59DB
uid Dominic Fandrey <kami@freebsd.org>

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sub 2048R/B4EC9D5FBC909F27 2014-09-18 [expires: 2017-09-17]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.130. Stefan Farfeleder <[stefanf@FreeBSD.org](mailto:stefanf@FreeBSD.org)>

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pub 1024D/8BEFD15F 2004-03-14 Stefan Farfeleder <stefanf@fafoe.narf.at>
Key fingerprint = 4220 FE60 A4A1 A490 5213 27A6 319F 8B28 8BEF D15F
uid Stefan Farfeleder <stefanf@complang.tuwien.ac.at>
uid Stefan Farfeleder <stefanf@FreeBSD.org>
uid Stefan Farfeleder <stefanf@ten15.org>
sub 2048g/418753E9 2004-03-14 [expires: 2007-03-14]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.131. Babak Farrokhi <farrokhi@FreeBSD.org>

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pub   rsa4096/73586D509275D6DE 2019-06-18 [SC] [expires: 2024-02-27]
      Key fingerprint = C5DA B533 A7C0 F0DE F19B D580 7358 6D50 9275 D6DE
uid   Babak Farrokhi <babak@farrokhi.net>
uid   Babak Farrokhi <farrokhi@imenpardis.com>
uid   Babak Farrokhi <farrokhi@FreeBSD.org>
sub   rsa4096/13B9FE6CB930A384 2019-06-18 [E] [expires: 2024-02-27]
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### 3.132. Chris D. Faulhaber <jedgar@FreeBSD.org>

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### 3.133. Matthias Fechner <mfechner@FreeBSD.org>

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pub   rsa4096/B68B75DC9FD747E1 2018-03-04 [SC] [expires: 2023-03-03]  
      Key fingerprint = 6960 7AE2 60A9 F34E 183A  DAAE B68B 75DC 9FD7 47E1  
uid   Matthias Fechner <idefix@fechner.net>  
uid   Matthias Fechner <matthias@fechner.net>  
uid   Matthias Fechner <matthias.fechner@fmdata.net>  
uid   Matthias Fechner <mfechner@freebsd.org>  
sub   rsa4096/640EB84EEFCCE295 2018-03-04 [E] [expires: 2023-03-03]
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### 3.134. Aleksandr Fedorov <[afedorov@FreeBSD.org](mailto:afedorov@FreeBSD.org)>

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pub  rsa4096/0AE0F02C27B5ED79 2020-03-19 [SC] [expires: 2023-03-19]
      Key fingerprint = 4143 6FF1 6296 2271 3132 6510 0AE0 F02C 27B5 ED79
uid  Aleksandr Fedorov <wigneddoom@yandex.ru>
uid  Aleksandr Fedorov <afedorov@freebsd.org>
sub  rsa4096/26977DABA91964DA 2020-03-19 [E] [expires: 2023-03-19]

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### 3.135. Mark Felder <feLD@FreeBSD.org>

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pub  rsa4096/C293776A9FFC6D85 2018-12-21 [SC] [expires: 2022-12-21]
Key fingerprint = 3B06 0178 660C 6BB0 A96F F010 C293 776A 9FFC 6D85
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uid Mark Felder <feld@FreeBSD.org>
uid Mark Felder <feld@feld.me>
sub rsa4096/397E8F99C5EEA440 2018-12-21 [E] [expires: 2022-12-21]
sub rsa4096/D62130F8816EBD 2018-12-21 [A]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.136. Brian F. Feldman <[green@FreeBSD.org](mailto:green@FreeBSD.org)>

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pub 1024D/41C13DE3 2000-01-11 Brian Fundakowski Feldman <green@FreeBSD.org>
Key fingerprint = 6A32 733A 1BF6 E07B 5B8D AE14 CC9D DCA2 41C1 3DE3
sub 1024g/A98B9FCC 2000-01-11 [expires: 2001-01-10]

pub 1024D/773905D6 2000-09-02 Brian Fundakowski Feldman <green@FreeBSD.org>
Key fingerprint = FE23 7481 91EA 5E58 45EA 6A01 B552 B043 7739 05D6
sub 2048g/D2009B98 2000-09-02
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Comment: For info see http://www.gnupg.org

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3.137. Mário Sérgio Fujikawa Ferreira <lioux@FreeBSD.org>

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pub 4096R/B43B673FDAE448D1 2014-02-13 [expires: 2019-02-12]
Key fingerprint = 0617 5DB3 8B1A C326 A542 3B3C B43B 673F DAE4 48D1
uid Mario Sergio Fujikawa Ferreira (lioux) <lioux@FreeBSD.org>
sub 4096R/D780173751E6FF87 2014-02-13 [expires: 2019-02-12]
sub 3072D/BB0B0361BC87D308 2014-02-13 [expires: 2015-02-13]
sub 4096g/C90A229CFE1F29B0 2014-02-13 [expires: 2015-02-13]

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### 3.138. Matthew Fleming <mdf@FreeBSD.org>

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pub 2048R/A783DAA2 2012-11-22 [expires: 2016-11-22]
    Key fingerprint = 773F E069 BE98 CE96 4AC6 B8AB 1A1B 255E A783 DAA2
uid          Matthew D Fleming <mdf356@gmail.com>
uid          Matthew D Fleming <mdf@FreeBSD.org>
sub 2048R/4015B7AA 2012-11-22 [expires: 2016-11-22]

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### 3.139. Tony Finch <fanf@FreeBSD.org>

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pub 4096R/0x72F3EE0B78D9305F 2017-04-04
    Key fingerprint = D9B6 599A 03AA 1D93 8DC5 A820 72F3 EE0B 78D9 305F
uid                                     Tony Finch <dot@dotat.at>
uid                                     Tony Finch <fanf@FreeBSD.org>
uid                                     Tony Finch <fanf@apache.org>
uid                                     Tony Finch <fanf2@cam.ac.uk>
uid                                     Tony Finch <fanf@exim.org>
sub 4096R/0xE5C9200855317719 2017-04-04

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Version: GnuPG v1

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.140. Marc Fonvieille <blackend@FreeBSD.org>

```
pub 1024D/4F8E74E8 2004-12-25 Marc Fonvieille <blackend@FreeBSD.org>
   Key fingerprint = 55D3 4883 4A04 828A A139 A5CF CD0F 51C0 4F8E 74E8
uid                               Marc Fonvieille <marc@blackend.org>
uid                               Marc Fonvieille <marc@freebsd-fr.org>
sub 1024g/37AD4E7D 2004-12-25
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### 3.141. Pete Fritchman <petef@FreeBSD.org>

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pub 1024D/74B91CFD 2001-01-30 Pete Fritchman <petef@FreeBSD.org>
   Key fingerprint = 9A9F 8A13 DB0D 7777 8D8E 1CB2 C5C9 A08F 74B9 1CFD
uid                               Pete Fritchman <petef@databits.net>
uid                               Pete Fritchman <petef@csh.rit.edu>
sub 1024g/0C02AF0C 2001-01-30
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.142. Bernhard Fröhlich <decke@FreeBSD.org>

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pub  rsa2048/4DD88C3F9F3B8333 2015-05-05 [SC] [expires: 2021-05-01]
      Key fingerprint = 3924 2DE3 BD34 BB70 529C 03D2 4DD8 8C3F 9F3B 8333
uid  Bernhard Froehlich <decke@FreeBSD.org>
uid  Bernhard Froehlich <decke@bluelife.at>
sub  rsa2048/623F4D906034D944 2015-05-05 [E] [expires: 2021-05-01]

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### 3.143. Landon Fuller <Landonf@FreeBSD.org>

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pub 2048R/86CDBA86B7E31D02 2016-06-01 [expires: 2023-07-21]
    Key fingerprint = 9E26 9CB1 93F4 76EA 9A08 731C 86CD BA86 B7E3 1D02
uid                               Landon Fuller <landonf@freebsd.org>
sub 2048R/203DA64DD0940730 2016-06-01 [expires: 2023-07-21]

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### 3.144. Bill Fumerola <billf@FreeBSD.org>

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pub 1024D/7F868268 2000-12-07 Bill Fumerola (FreeBSD Developer) <billf@FreeBSD.org>
Key fingerprint = 5B2D 908E 4C2B F253 DAEB FC01 8436 B70B 7F86 8268
uid Bill Fumerola (Security Yahoo) <fumerola@yahoo-inc.com>
sub 1024g/43980DA9 2000-12-07
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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**3.145. Stephen Gregoratto <sg@FreeBSD.org>**

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      Key fingerprint = 3FC6 3D0E 2801 C348 1C44 2D34 A80C 0F8E 8BAB EC8B
uid   <personal@sgregoratto.me>
      Stephen Gregoratto (personal address)
uid   Stephen Gregoratto <s.gregoratto@gmail.com>
uid   Stephen Gregoratto (Personal Email)
uid   <themanhimself@sgregoratto.me>
uid   Stephen Gregoratto (University Email)
uid   <sg937@uowmail.edu.au>
uid   Stephen Gregoratto (Work Related EXCLUSIVE)
uid   <work@sgregoratto.me>
uid   Stephen Gregoratto (Development/Patch EXCLUSIVE)
uid   <dev@sgregoratto.me>
uid   Stephen Gregoratto (FreeBSD development) <sg@FreeBSD.org>
uid   Stephen Gregoratto (FreeBSD development address)
uid   <sg@FreeBSD.org>
uid   Stephen Gregoratto (Personal email address)
uid   <personal@sgregoratto.me>
sub   rsa4096/4D16E9D038FEF300 2017-12-29 [E]
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```
=XVIG
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.146. Stanislav Galabov <[sgalabov@FreeBSD.org](mailto:sgalabov@FreeBSD.org)>

```
pub  rsa2048/1B12C41F5CE3A080 2019-02-22 [SC] [expires: 2022-02-21]
      Key fingerprint = 4E61 0B06 E50C A279 744B 96CC 1B12 C41F 5CE3 A080
uid      Stanislav Galabov <sgalabov@freebsd.org>
sub  rsa2048/A59ED0D14C78A6FA 2019-02-22 [E] [expires: 2022-02-21]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.147. Richard Gallamore <[ultima@FreeBSD.org](mailto:ultima@FreeBSD.org)>

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pub  rsa2048/3BEAF71768A208CF 2017-06-08 [SC] [expires: 2020-06-07]
      Key fingerprint = CB46 EC64 5BA1 8F5F 7CAC BDA6 3BEA F717 68A2 08CF
uid      Richard Gallamore <ultima@FreeBSD.org>
sub  rsa2048/37CA856E4AA20523 2017-06-08 [E] [expires: 2020-06-07]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.148. Andriy Gapon <avg@FreeBSD.org>

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pub  ed25519/D40D7E1AAF3E2F51 2020-09-09 [SC] [expires: 2024-09-08]
     Key fingerprint = C821 C764 CD3D 9743 84DC 8AFF D40D 7E1A AF3E 2F51
uid  Andriy Gapon <avg@FreeBSD.org>
sub  cv25519/51B797C99912178B 2020-09-09 [E] [expires: 2024-09-08]
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### 3.149. Beat Gätzi <beat@FreeBSD.org>

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pub  rsa4096/ADA4DD51C7914099 2019-09-05 [SC] [expires: 2022-09-04]
     Key fingerprint = E0AB 0418 401D F150 4C5E 9E06 ADA4 DD51 C791 4099
uid  Beat Gaetzi <beat@FreeBSD.org>
sub  rsa4096/63C91DF5F37C26DE 2019-09-05 [E] [expires: 2022-09-04]
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### 3.150. Daniel Geržo <danger@FreeBSD.org>

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pub 4096R/7D81BFC724F0CF16 2015-10-05 [expires: 2020-10-03]
   Key fingerprint = 9523 41A8 77DD 42EE A950 06DB 7D81 BFC7 24F0 CF16
uid Daniel Gerzo <danger@rulez.sk>
uid Daniel Gerzo <dgerzo@gmail.com>
uid Daniel Gerzo <gerzo@syscare.sk>
uid Daniel Gerzo <danger@FreeBSD.org>
sub 4096R/777D8003C7546767 2015-10-05 [expires: 2020-10-03]
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### 3.151. Simon J. Gerraty <[sjg@FreeBSD.org](mailto:sjg@FreeBSD.org)>

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pub 1024D/B6CC76BF 2002-06-12
    Key fingerprint = F3BA D6CB E1F8 02EA 705F BCAD 6125 F840 B6CC 76BF
uid Simon J. Gerraty <sjg@crufty.net>
uid Simon J. Gerraty <sjg@juniper.net>
uid Simon J. Gerraty <sjg@NetBSD.org>
uid Simon J. Gerraty <sjg@FreeBSD.org>
sub 1024g/D94B72B9 2002-06-12
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```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.152. Justin T. Gibbs <[gibbs@FreeBSD.org](mailto:gibbs@FreeBSD.org)>

```
pub 2048R/45A4FC2F 2012-02-10
Key fingerprint = B98A C3AB 412B 094B D6FE E713 FA5A 1E30 45A4 FC2F
uid Justin T. Gibbs <gibbs@FreeBSD.org>
uid Justin T. Gibbs <gibbs@FreeBSDFoundation.org>
uid Justin T. Gibbs <gibbs@scsiguy.com>
sub 2048R/AF6927F8 2012-02-10
```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.153. Pedro Giffuni <pfg@FreeBSD.org>

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pub  rsa2048/CD6B0B96CEF22D04 2015-04-24
      Key fingerprint = DE2D A4F4 C66E DE0F D41E EB70 CD6B 0B96 CEF2 2D04
uid          Pedro Giffuni <pfg@FreeBSD.org>
sub  rsa2048/5D98460191310FC9 2015-04-24
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.154. Palle Girgensohn <[girgen@FreeBSD.org](mailto:girgen@FreeBSD.org)>

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pub 2048R/4A6BAAAD 2012-02-23 [expires: 2016-02-23]
    Key fingerprint = BD8C 332C E630 31D6 2FDB 80BD 5FF2 A161 4A6B AAAD
uid  Palle Girgensohn <girgen@pingpong.net>
uid  [jpeg image of size 8260]
uid  Palle Girgensohn <girgen@FreeBSD.org>
sub 2048R/6BC41243 2012-02-23 [expires: 2016-02-23]
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Comment: GPGTools - http://gpgtools.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.155. Eugene Grosbein <[eugen@FreeBSD.org](mailto:eugen@FreeBSD.org)>

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pub rsa2048/8455C3737D4754CA 2017-03-07 [SC] [expires: 2023-02-16]
    Key fingerprint = 372B 1367 8667 4CDB BF9C F66E 8455 C373 7D47 54CA
uid Eugene Grosbein <eugen@grosbein.net>
sub rsa2048/B9B1FD511F8AE904 2017-03-07 [E] [expires: 2023-02-16]
sub rsa2048/B0CD1AF226988B28 2017-03-07 [S] [expires: 2023-02-16]
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### 3.156. Philip M. Gollucci <pgollucci@FreeBSD.org>

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### 3.157. Mikolaj Golub <trociny@FreeBSD.org>

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      Key fingerprint = 4EC9 5FD7 9614 A09F C767 47D6 64D9 C65A 9F9A F711
uid   Mykola Golub <trociny@freebsd.org>
uid   Mykola Golub (to my, trociny) <to.my.trociny@gmail.com>
sub   rsa4096/42A03C1B23B2E90A 2016-08-21 [E]
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### 3.158. Danilo Egêa Gondolfo <[danilo@FreeBSD.org](mailto:danilo@FreeBSD.org)>

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pub  rsa4096/8586A54720E27246 2015-10-19 [expires: 2018-10-18]
      Key fingerprint = 691E 7D8F 6521 8237 8EB1 1173 8586 A547 20E2 7246
uid   Danilo Egea Gondolfo <daniloegea@yahoo.com.br>
uid   Danilo Egea Gondolfo <danilo@FreeBSD.org>
uid   Danilo Egea Gondolfo <danilogondolfo@gmail.com>
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sub  rsa4096/C2F847657133F473 2015-10-19 [expires: 2018-10-18]
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kh9ZGvj4mnZCCfbLvpv/TxIbjUa1MwXg022QwsiqfUqeGR08bWh4Dgkaac0hrysv
vL+KR7LiljRreb1+/ZAIUw0PGg==
=M2pb
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.159. Dmitri Goutnik <dmgk@FreeBSD.org>

```
pub   rsa4096/C197B67CEBE20ECD 2013-09-16 [SC] [expires: 2022-01-01]
      Key fingerprint = 955D 6EAF 0CDD 2551 9748 6DDD C197 B67C EBE2 0ECD
uid   Dmitri Goutnik <dg@syrec.org>
uid   Dmitri Goutnik <dmgk@FreeBSD.org>
sub   rsa4096/DFDF96A52CB71862 2013-09-16 [E] [expires: 2022-01-01]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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mQINBFI3dVoBEAC56d4jAHCLYmr9rTNljz42V0fmRLT5/UFanT7GHa9uBaQRAYcV
w4mM6NH7AzVV2cjjSxf5wLv3yVtdqLtm1sHKVYk80vSK3QHNSsEjpnLpkQwN0s5
```

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VLJ/2kSW7vCPP5HKlzdHTC//5Q==
=Fedw
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.160. Daichi GOTO <daichi@FreeBSD.org>

```
pub 1024D/09EBADD6 2002-09-25 Daichi GOTO <daichi@freebsd.org>
```

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Key fingerprint = 620A 9A34 57FB 5E93 0828 28C7 C360 C6ED 09EB ADD6
sub 1024g/F0B1F1CA 2002-09-25
```

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Version: GnuPG v1.2.0 (FreeBSD)

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+muTp/e7bDhStcMEeLXc+/3mLReBJf/d6e4For6P/rqVmMAcm5A2G04quwCgmrSD
fLt9NGJ+mtiXFxloHe57L/sD/3nanV7H4zk9gPJZA9b8UKpbZZmsyljTuY0AULL1
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G2nWbw6EDoGxa62mmqy9rFyMuQENBD2RGpYQBADjmTUn3Gk/tkVzIgvM8wdfuMPb
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3XaIRgQYEQIABgUCPZEalqAKCRDDYmbtCeut1qqBAKCDnLRYCpUm4eyVG+Ycsn6B
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=T2MZ
-----END PGP PUBLIC KEY BLOCK-----
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### 3.161. Marcus Alves Grando <[mrag@FreeBSD.org](mailto:mrag@FreeBSD.org)>

```
pub 1024D/CDCC273F 2005-09-15 [expires: 2010-09-14]
Key fingerprint = 57F9 DEC1 5BBF 06DE 44A5 9A4A 8BEE 5F3A CDCC 273F
uid Marcus Alves Grando <marcus@sbh.eng.br>
uid Marcus Alves Grando <marcus@corp.grupos.com.br>
uid Marcus Alves Grando <mrag@FreeBSD.org>
sub 2048g/698AC00C 2005-09-15 [expires: 2010-09-14]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.4.2 (FreeBSD)

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mZtLV0A7XNkjVMtyLn8lPKpdiHP0c05/x8sVLNz2LR/xFJnbdT5bomy2wCgmIOF
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QynASwIbAwUJCWYBgAYLcQgHAWIEFQIIAwQWAgMBAh4BAheAAAoJEIvuXzrNzCc/
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=rDV2
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.162. Peter Grehan <grehan@FreeBSD.org>

```
pub 1024D/EA45EA7D 2004-07-13 Peter Grehan <grehan@freebsd.org>
    Key fingerprint = 84AD 73DC 370E 15CA 7556 43C8 F5C8 4450 EA45 EA7D
sub 2048g/0E122D70 2004-07-13
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.163. Rodney W. Grimes <rgrimes@FreeBSD.org>

```
pub  rsa2048/901E29611F0E11A7 2020-04-06 [SC] [expires: 2023-04-06]
    Key fingerprint = 9B8D D508 4589 9949 C28F 1E81 901E 2961 1F0E 11A7
uid  Rodney W. Grimes <rgrimes@FreeBSD.org>
sub  rsa2048/1CBCE92634473CB6 2020-04-06 [E] [expires: 2023-04-06]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.164. Jamie Gritton <jamie@FreeBSD.org>

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pub 1024D/8832CB7F 2009-01-29
Key fingerprint = 34F8 1E62 C7A5 7CB9 A91F 7864 8C5A F85E 8832 CB7F
uid James Gritton <jamie@FreeBSD.org>
sub 2048g/94E3594D 2009-01-29
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### 3.165. Adriaan de Groot <adridg@FreeBSD.org>

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pub rsa4096/7FEA3DA6169C77D6 2016-06-11 [SC] [expires: 2021-02-24]
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Key fingerprint = 00AC D15E 25A7 9FEE 028B 0EE5 7FEA 3DA6 169C 77D6
uid Adriaan de Groot <groot@kde.org>
uid Adriaan de Groot <adriaan@bionicmutton.org>
uid Adriaan de Groot <adridg@freebsd.org>
sub rsa4096/5A80DEF53ED6FFB2 2019-06-13 [S] [expires: 2020-06-12]
Key fingerprint = 52AF A9BE E0FE 37CF EF55 6FBE 5A80 DEF5 3ED6 FFB2
sub rsa4096/8A6094B85BAE0201 2019-06-13 [E] [expires: 2020-06-12]
Key fingerprint = FC46 53B3 31F0 5654 EC12 D663 8A60 94B8 5BAE 0201
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### 3.166. Edwin Groothuis <edwin@FreeBSD.org>

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pub 2048R/C593B37A 2013-11-02 [expires: 2017-11-02]
Key fingerprint = 7046 C56A A497 73C6 096C 3F50 11C4 8287 C593 B37A
uid Edwin Groothuis <edwin@freebsd.org>
sub 2048R/731E3D42 2013-11-02 [expires: 2017-11-02]
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**3.167. William Grzybowski** <[wg@FreeBSD.org](mailto:wg@FreeBSD.org)>

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pub 2048R/CFC460C5 2012-09-28
    Key fingerprint = FC40 5CD8 0879 7F50 0036 D924 D9F7 8B27 CFC4 60C5
uid                               William Grzybowski (FreeBSD) <wg@freebsd.org>
uid                               William Grzybowski <william88@gmail.com>
sub 2048R/05577997 2012-09-28
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-----END PGP PUBLIC KEY BLOCK-----
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**3.168. Barbara Guida** <[bar@FreeBSD.org](mailto:bar@FreeBSD.org)>

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pub 2048R/3DF5F750 2012-11-13
    Key fingerprint = D367 F6C8 2A5F 2921 70D2 B446 27DD 6FD6 3DF5 F750
uid                               Barbara Guida <bar@FreeBSD.org>
uid                               Barbara Guida <barbara.freebsd@gmail.com>
sub 2048R/1DF7506C 2012-11-13
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.169. Anish Gupta <[anish@FreeBSD.org](mailto:anish@FreeBSD.org)>

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pub  rsa2048/032E006E119E57D4 2016-02-21 [expires: 2019-02-20]
      Key fingerprint = B6BC 1DA5 54F7 1115 CF3B 350E 032E 006E 119E 57D4
uid  Anish Gupta <anish@freebsd.org>
sub  rsa2048/668CCACEEDAAC016 2016-02-21 [expires: 2019-02-20]
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### 3.170. John-Mark Gurney <jmg@FreeBSD.org>

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pub 4096R/205F0B33DD006ADA 2018-08-10 [expires: 2021-08-09]  
Key fingerprint = 60B5 E4F1 3C76 206C 6120 0B60 205F 0B33 DD00 6ADA  
uid John-Mark Gurney <jmg@jmgurney.com>  
uid John-Mark Gurney <jmg@FreeBSD.org>  
uid John-Mark Gurney <jmg@funkthat.com>  
sub 4096R/7631CA65202DC355 2018-08-10 [expires: 2021-08-09]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.171. Mateusz Guzik <mjg@FreeBSD.org>

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pub 2048R/21489259 2012-06-03
Key fingerprint = 3A9F 25FF ABF6 BB23 5C70 C61B 96D3 5178 2148 9259
uid Mateusz Guzik <mjg@freebsd.org>
sub 2048R/EA19FE8D 2012-06-03
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=gTKh
-----END PGP PUBLIC KEY BLOCK-----
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### 3.172. Jason E. Hale <jhale@FreeBSD.org>

```
pub 3072D/8F2E5907 2012-09-07
Key fingerprint = 009C 54BF 32D0 F373 8126 C8A1 D8DD 2CA4 8F2E 5907
uid Jason E. Hale <jhale@FreeBSD.org>
uid Jason E. Hale <bsdkaffee@gmail.com>
sub 4096g/7081A001 2012-09-07
```

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.173. Jason A. Harmening <jah@FreeBSD.org>

```

pub  rsa2048/BB9F8BF992841D1B 2015-03-09 [expires: 2018-03-08]
      Key fingerprint = D6F7 142D E415 8182 FFC5 E685 BB9F 8BF9 9284 1D1B
uid          Jason A. Harmening <jah@FreeBSD.org>
uid          Jason A. Harmening <jason.harmening@gmail.com>
sub  rsa2048/65B797684FD3EC2F 2015-03-09 [expires: 2018-03-08]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.174. Daniel Harris <dannyboy@FreeBSD.org>

```

pub  1024D/84D0D7E7 2001-01-15 Daniel Harris <dannyboy@worksforfood.com>
      Key fingerprint = 3C61 B8A1 3F09 D194 3259 7173 6C63 DA04 84D0 D7E7
uid          Daniel Harris <dannyboy@freebsd.org>
uid          Daniel Harris <dh@askdh.com>
uid          Daniel Harris <dh@wordassault.com>
sub  1024g/9DF0231A 2001-01-15

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.0.7 (FreeBSD)
```



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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.175. Daniel Hartmeier <dhartmei@FreeBSD.org>

```
pub 1024R/6A3A7409 1994-08-15 Daniel Hartmeier <dhartmei@freebsd.org>
Key fingerprint = 13 7E 9A F3 36 82 09 FE FD 57 B8 5C 2B 81 7E 1F
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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ySiF8D5+ujliDk5wVna0LzqrV4sga8d2ybM81hdW0nxI9dNXLip+ti900ecZMF6M
4PlsdKyGnqZDzXlFg4o70GSAWkjl9RTG5JvNnYWS453mCjYc304dm+1zzADfgcy0
J0RhbmlbCBIYXJ0bWVpZXIgcGRoYXJ0bWVpQG9wZW5ic2Qub3JnPokAlQIFe0Br
JFTUPXGMajp0CQEBkqMD/0D1K1hTJc8u5K3gpsk9Lrn0VYpP3zHbSe94oL05tHv/
b/Y1626xqcMKYfAIk435asuPnGRkMjgpxPUKksfWMLUqW4aIiX7di6aMuWkgSBI
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dK14ah24HSaTjh4psJg/uFw4egAs2XxDKXrf1SHCaaVajC3VQGVkQ6V2Ytmgw6qe
Rtt+NtrXVJnsEUuMY3+G8YCXuguLym6bUwaC1x6PC0Y2IEzRkM3H5Et78gd2zujB
o7QqRGFuaWVsIEhhcnRtZwLlciA8ZGhhcnRtZwLlAanVuaXNwaGVyZS5uZXQ+iQCV
AgUTQGsK+N9cYxq0nQJAQEV6QP/ZFHefmwjieX7zEU9uhzjEdZhd1M0szKULUoo
TB4x3yiXiYlZk2aqqpXbV+vL+t2VLhd3Mch+SKSiKwoBVWrdqsXguruIjUYGMAJJI
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W1L0aSc=
```

```
=HsTV
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.176. Oliver Hauer <ohauer@FreeBSD.org>

```
pub  2048R/5D008F1A 2010-07-26
      Key fingerprint = E9EE C9A5 EB4C BD29 74D7 9178 E56E 06B3 5D00 8F1A
uid  olli hauer <ohauer@FreeBSD.org>
uid  olli hauer <ohauer@gmx.de>
sub  2048R/5E25776E 2010-07-26
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQENBExNy2wBCAcfGsjUeSER/VsGsmS+w4R/Z7t1nnLydNTHCLkQn/UHPCFrmTZL
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SqBKvXRlwQF4yrvfoqQsfbMvNPPysFabbJrnMS+6vCfu8DnYkg1RgJTq3j/WZUHW
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VDyyMw0adFK736w7iGmPRKi19XU0bhdt1PX9dSWe5dvRGaqpTyyEEHx9sS0Gm9s
bGkgaGF1ZXIwPG9oYXVlckBnbXguZGU+iQE4BBMBAgAiBQJMTcuLAhsDBgsJCAcD
AgYVCAIJCcsEFgIDAQIEAQIXgAAKCRDlbgazXQCPGrckCACebFzIU4Tm0aQA/kaV
djhZ6A6oxaFwQVC3NLOyQ10oarXr4KHdtjnlBrXvQP/a8L/RPdrLnTeBbk2FrXxz
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ko68wqVQCd0MCWRJbpikaxvkMLDVUt09raWDEkgLkRDSYIDwCQrioGUXndZpeBkd
W8vmuQENBExNy2wBCADFHqQ/L3Iyj4Sx35/ljLYje0XRXR0WI3QN0ZZSSMXF1RpV
LQKH2RMUV0KC3eufb6yYzokZniY6V8CTkgLTaBAy24a5gVm5sI4S04mY0ml54Twm
GDMp1kbVeJtscwzLkP20LHua0W+P9oj9kn9HKkt5CrZvx4nuE1lImxzIyXVLKSmQ
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saFIZz9GEhZQ0Dn0Nsi+k87yt8U3N1Pj7sv7dIouVuoT7AMGA8IfGjyGxaBqydA
4bWSIH01pZbuuxxNidE42C7SIFQplwyEHEKPl1mteMDJxKgnR7sb5SNvDs5t4B1
9C9j9upXe0qx20qfUoN7dXT7uNmc9My6Ng9yJwFTHat6xP5gjjg==
=cHU1
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.177. Emanuel Haupt <ehaupt@FreeBSD.org>

```
pub  rsa2048/104E62C545316E89 2016-01-30 [SC] [expires: 2022-01-07]
      Key fingerprint = D9F1 1649 6964 99EA ADBF D1C4 104E 62C5 4531 6E89
uid  Emanuel Haupt <ehaupt@FreeBSD.org>
sub  rsa2048/AB8EF8AD753A7017 2016-01-30 [E] [expires: 2019-01-29]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQENBFaszwkBCADVp+7y+SXuAtQ0hVL0gxWCDYpVD78h+jkEx+AASTVaIe0g3/p5
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SteEBvJ/i0AoYcLant5HiYxmK1jR2vMjPv/qZkZwWgyqWfPA08MquKnZNVwMvbrh
RGUDxFxnA4bijmVvyLoSgoD1Dbog7X4jEhXWahb4aPf10UWjTmiFg03sG9k3M48E
```

```
j f+gLCiKNyB0w77WN1EHgtFiTGvKymXxBWQRxAxi8oUDjDe84pPHkzMCZ+g4j/xb
zQ8VNWJwCijavwF3NkWM2RC2M+h8Qwf+494rABEBAAG0IkVtYw51ZwWgSGF1cHQg
PGVoYXVwdEBGcmVlQlNELm9yZz6JAVQEEwEKAD4CGwMFCwkIBwMFFQoJCAsFFgMC
AQACHgECF4AWIQTZ8RZJawSZ6q2/0cQQTmLFRTFuiQUCXDRSmgUJCysfsQAKCRAQ
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26yxMW0r+436LMAqZR90ZdFQkkyJBpvkVG0SxFVbR0zp//1bIEBJMukq4ZGB03jq
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kK53cKSSI+zZH72yg6Q8jdYV/OJnNxxxxIzDKZXCwRK7UqW3tjHqgMTEiaX+r
n9yIqBw7+W721/9wy/Lenskyx+zTjvnJgkiCeOdYPBqFpeHEz8e0+G6YXclpi3ks
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CJcfiy1lqY0rtrKjErA8qPuyA9SS7B2LHU7RWurfCZDM1z2QLwbiZ9wQJdkqXM1e
mNkMbsKkSe81wdAbV6hrA+FZiw==
=OFDB
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.178. John Hay <jhay@FreeBSD.org>

```
pub 2048R/A9275B93 2000-05-10 John Hay <jhay@icomtek.csir.co.za>
Key fingerprint = E7 95 F4 B9 D4 A7 49 6A 83 B9 77 49 28 9E 37 70
uid John Hay <jhay@mikom.csir.co.za>
uid Thawte Freemail Member <jhay@mikom.csir.co.za>
uid John Hay <jhay@csir.co.za>
uid John Hay <jhay@FreeBSD.ORG>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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mQENAZkZeP4AAAEIAMK3LRpUCJdg9V9Pr0KIdvaQeItf5Fcrbh0GE4skfNPKeTg
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dN3Ra+GoR+cwWLKuXj+IxAOZiv2WEL027TnMhWgf/DHLdoWvSwJdVrGnk0KjBJGr
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bPPkvll4Qaw9I1FwM3iaMDM4IkqR6r+Gsi+RYIClymRBU1HXZzKyNR/Ysy0thnIe
Y02yg7U2nYJ00ysZL1Hd7R9EQBuYZk647PMKbQ+pQ4k9Ki010bT9JivWz6u6R3L
gJMnCUEi6s+xw88eeTDB0/AKE9eUUBDZ765M3WcVmGfDYNpw/D3tX7taGcFT80DG
VXKnFHAP2Um8IZeHXKqgh/jTTNCqWz7oj3GfVzzGEnmwI+goZScQWU15J708Mn0f
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wnPlMNSG9U8BAQVeA/0V4aLPthF5+FVL7GJ14R7IQee3NkepsCQRwFDl1DJKyn
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```

0zU/d/kDd9mU3xismVbDa9xSJHbFh5KDpvnbeRhx5VIXcdiJ+RbM9VNqsMmZwCBS
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rQKDtM49M57ybHoL fZ9GXKo8iTN0uXE70G0x8kIuapiNwKm2wayng8utIxGaco0
hp8D0uj3dgTFUZ3pcMSxtjWEtBtKb2huIEhheSA8amhheUBGcmVlQlNELk9SRz6J
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f19t1pI2Is0BNxtBwVY10l rkpFkSkpSUHEmVKUVhHjsHVv+r+EdJ4dTcsT6c5cCj
i7avfz8duVbym09yDLytnBGr3te7tkmalwk3JkjXJhiMuUW9w9woCuVWRexLABDm
Md8JjvyLqIe6bNkIcE9GvHhQUUYegYqVhDqzKH+cme1oLSYDDjt458yMYo6UXu+x
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=l5Xu
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.179. Björn Heidotting <bhd@FreeBSD.org>

```

pub  ed25519/DFBD53FF728C751A 2019-12-12 [SC] [expires: 2022-12-11]
     Key fingerprint = F395 DC8B C1E8 CB8C 548B 027D DFBD 53FF 728C 751A
uid  Bjoern Heidotting <b.heidotting@yahoo.com>
uid  Bjoern Heidotting <bhd@FreeBSD.org>
sub  cv25519/C3D9E2FA95FF7258 2019-12-12 [E] [expires: 2022-12-11]
     Key fingerprint = 3E35 C128 72DF 7464 CDFE A8A4 C3D9 E2FA 95FF 7258

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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fdF8p7lNp5m2/wD/e3/4jaLdYDrfowKvEXQ1AhJjKgUuKkD0dbJwUZnaDgC0KkJq
b2VybiBIZWlkbnR0aW5nIDxiaLmhlawRvdHRpbmdAeWfob28uY29tPoiQBBMwCgA4
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eyXKCb3Hxe0A/iLd6P4jakqm7BxanBRZyPB8w7u/J90GgAydWgj30CEJuDgEXfKb
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AwEIB4h+BBgWCgAmFiEE85Xci8Hoy4xUiwJ9371T/3KMdRoFAl3ymwscGwwFCQWj
moAACGkQ371T/3KMdRpMewEAnU3qBLNE38wq6UuDQXUvjE2VM7t+jYQrwekRwkdH
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=lCjx
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.180. Sheldon Hearn <sheldonh@FreeBSD.org>

```

pub  1024D/74A06ACD 2002-06-20 Sheldon Hearn <sheldonh@starjuice.net>
     Key fingerprint = 01A3 EF91 9C5A 3633 4E01 8085 A462 57F1 74A0 6ACD
sub  1536g/C42F8AC8 2002-06-20

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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FHJ2jRXInApVzwlCjppgVJq8D/ixzt00/Zg2p62/qaHac7M1sEc2QarCAGwRbuNw
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hpldBACI7iJxl2MtFUHBo3XW27WYDzTNTTh2LUaMcIaowMW/+vIDds6EI71dCAjuU
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=PTeT
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.181. Mike Heffner <mikeh@FreeBSD.org>

```
pub 1024D/CDECBF99 2001-02-02 Michael Heffner <mheffner@novacoxmail.com>
Key fingerprint = AFAB CCEB 68C7 573F 5110 9285 1689 1942 CDEC BF99
uid Michael Heffner <mheffner@vt.edu>
uid Michael Heffner <mikeh@FreeBSD.org>
uid Michael Heffner <spock@techfour.net>
uid Michael Heffner (ACM sysadmin) <mheffner@acm.vt.edu>
sub 1024g/3FE83FB5 2001-02-02
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

```
mQGiBDp6LpYRBACHINF1K2LJiWCFAGy36X+NFDvvgbRe9U7BKy2Q8ZPouM0i/GIwW
iocDyVwRnK8tC3D1BM3THs3cFW0aPsS0TGngZE8rTs8lm53UWi1UApTUztjH3odp
OynMb/Dj3k8SOWkq5mYYzl+38jsz067tRDlij4s4I3EjwcBQJ0hnUUV0wCgPDBc
wAx9TBVCSY9H5YLtCrJbn0ED/iwQH58xpFLxQ01FDYLUZGzZaASm0Luft13HuCrM
Zj2oDgJZ0cuP2AshoJXnKavDjwBIvgf/p6cPZ9CS0sF8WI+v/LHN/EUQ0oXXNzD5
ZujgMh1w35nMvL7f5JRDaie9HggNux+0DtWimmR0piicDXb849asCrUUEcpU0V3G
wYaxA/960Wzf/TCr6CZABFBCLq2VwX3Run3ttBiX0VI69gEdj95mfeDUxPQH4JNt
/hI1B61Ab3/yDwmjzrW7Kb2i9URK40Kw/95Yjoc2g0t/CFrmFi82UwMsmUp4mIqJ
eUrQ202IY2zCqEtHcTbUdXrP1eFkGmi77s+Kzzzkn063+efXbQhTWljaGflbCBI
WZmbmVYIDxtaGvmZm5lckB2dC5LZHU+iFceEeXECABcFAjP6LpYFCwKAwQDFQMC
AxYCAQIXgAAKCRAWiRLCzey/mTswAJ9uujS3rA/mJcR8TH33q6SRhZSeFgCePzaT
l0AkDv2LVm0F+v5CBex2gkqIRgQQEQIABgUC0s49wgAKCRDCpSwr0i8VsUrfAKDi
Cffo5C6Ei5xHtWRA0DpHCh0o0gCgqWDeqC4zLU/LB/jKYdGX37VPMQ00I01pY2hh
ZWwgSGVmZm5lciA8bWlRZWhArNjLZUJTRC5vcmc+iFceEeXECABcFAjP6LpYFCwK
AwQDFQMCaxYCAQIXgAAKCRAWiRLCzey/mRbDAJ9BS5Fwb+Dj4IHlRysr6IHcXet
LQCgmpN9GwBWNxzBlbAQEw108anp5xiIRgQQEQIABgUC0s49lqAKCRDCpSwr0i8V
sfQXAKDW4IsDEKGr1rYp04IIZPML2hVLJQCcCRUr0Mfce6AXKUYBfjAlZmddN0u0
JE1pY2hhZWwgSGVmZm5lciA8c3BvY2tAdGVjaGZvdXIubmV0PohXBBMRAGAXBQI6
f4GRBQsHCgMEaxUDAgMwAgECF4AACgkQFokZQs3sv5mRMwCffitELKCHTC+tF8hQ
R9Tdb87+PH4An3jlIX+TAD/u6CjyAZ9fR8nEXeVUtDRNaWNoYwVsIEhlZmZuZXIq
KEFDTSBzeXNhZG1pbikgPG1oZWZmbmVYQGFjbS52dC5LZHU+iFceEeXECABcFAjP
NgQFCwKAwQDFQMCaxYCAQIXgAAKCRAWiRLCzey/mTbAAJSEI0jmXPBxqyrpS0QF
lrJtDENffQCgmWgC/5AezMfJwtu+s001BNw7oRmIRgQQEQIABgUC0s493QAKCRDC
pSwr0i8VsWB7AKCZe9euDml2vgJAaaPt34ptUL4UHACg45ZK21iSMmLW+cI6L8iw
gGvDcPe0Kk1pY2hhZWwgSGVmZm5lciA8bWlRZmZuZXJAbm92YWNveG1hawWuY29t
PohXBBMRAGAXBQI7RpsRBQsHCgMEaxUDAgMwAgECF4AACgkQFokZQs3sv5m0ogCf
RV9e/JXy1ixgKCVoqzaIQ3j2MBQAOjwV25V4gpucQxysqRrWtB65Ja+uQENBDp6
LqIQBACFC0+vvM6/ItDzUHX3vIihiKENou4FchXwc/u7uchsls589+PwaYWXqtPH
E9YSjXYo9y875l6ci0agBL6rJZ8oNkc/yLrmx42iStdAdEKcgK355kmXiWgaAm/W
CT5YIETaY+D9TrBDD+c+ofB8vhekxAlr30FAnX6VmUJFi5xfRwADBwP+LiUdpsML
kdJj0Y8PmbB3Gxle3X9w+6hBkoP8Z0q5dzG3Y3mGYpgLd4Yttf1KEKUm68BDJgcvf
41B2Y6Ptp7mSRAufbymIRihNKH78fleaziWsux2CYJGZvsJzuYrLzgwuTzclQKL6
MfRXZHPyt+1SwQeV6pIE0DBZLHg9a0Ak5sqIRgQYEQIABgUC0nuogAKCRAWiRLC
zey/mfYtAktvze8DK+0HP1fTQyDaj07o9RTIVACeIwhXBEbRN8cH0BsG/8Qn5sZo
2Q8=
=/jOR
```



```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.182. Martin Heinen <mheinen@FreeBSD.org>

```
pub 1024D/116C5C85 2002-06-17 Martin Heinen <mheinen@freebsd.org>
    Key fingerprint = C898 3FCD EEA0 17ED BEA9 564D E5A6 AFF2 116C 5C85
uid                               Martin Heinen <martin@sumuk.de>
sub 1024g/EA67506B 2002-06-17
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibD0NjbIRBACZTF4rK66+y43uXsV8CHSefx5lRHaLPFMNga+sUBRIFcwu9WbS
KSP/r60Gf/mNK4EUX3/+3gVl j rgpAbQL9X9MV/S050aZM8JMrUkUwjuzzzFKpLT7
bdB2zWhexWemFsE0F1G5NpxkqMg/E0aiZb5P9MVJyGLlF1hCwhWsNG00ewCgzQ/b
yAEMk03PPk3D0aM4d/Vdf38D/j40+TJPSjMf58wRGkrT+BmLCvFvg10sUOMgyQPC
Y07y06WmSiZV5ynqb4b55m3j fQmG1I2wK+dIf8SHyaVgqZiUpfqrsvFV2qwfZXcod
C8a8b/kmEbdMk1j+jZ8qxSScrKCHKqdEs1UihCt/F1kVVd8gqYbWouICxF4GoU4Z
ANmHA/4xVNIInKvghFk9lMaK9lDgQs02laaTWLWzcSfe28ADds3Jdur00x06tgeU
zdktwQvRYpIjqiqCCFLN18l6Lc5qyTg6fnx2yWpWJMb/xumUz7A79X0TBN8WG71n
z fJLHtn7fCjsi5009s7Ahu//Q7pGN8FvkrZH3xNw+3pAaoawrQfTWfYdGluIEhl
aW5lbiA8bWfYdGluQHn1bXvRlMrlPohZBBMRAGAZBQI9DY2yBAsHAWIDFQIDAyYC
AQIeAQIXgAAKCRDlpq/yEWxchZjRAJ4s0v1VXJmkm7kj3kMM0Z8xMNOJaACgkcMu
T1ID/2v+A1X7+su0zrWMr5aIRgQTEQIABgUCPZGohAAKCRcTeU9X9uLnUzW3AJ9T
0Hzs6Zzq3HAyUSVKLReaZEhyGQCfb7goCt5RLbxx+3AMyyX5uh1boQmIRgQTEQIA
BgUCPZGLrAAKCRD5Ay7lt7i0eYdWAKDEeKmbkRTSZKsKelQwiD+T3me3tQCfVMLi
9mkjo10AXpAOVX3Igy50HUS0I01hcnRpbIBIZWluZW4gPG1oZWluZW5AZnJlZWJz
ZC5vcmc+iFwEExECABwFAj/Q6/UCGwMECwcDAGMVAgMDFgIBAh4BAheAAAJEOWm
r/IRbFyFjSMAAniK+uu6ts+tLchT7+npgPJ0wmyCXAKCmCmXrSUTnPG5DwiVD66h6
aL2GHbkBDQ9DY20EAQA4hG77oKy6pQB1+dhbbLsfb3UerWv7i/w21Y1tSriZ5gm
HhofJRuczvrlxSXBf5bZ5I0D+gIVZ5jLsS8IXUIZiK3dRFvHm4awrcxwLgKsfJ4J
0DGhne4XBdJENiHV8rb3/mk+Ffes/88DmoU45fpAwY1YN1jH8W05mEq2aKcJHcA
AwUD/jBsaAoUeN000hWuZuWYNM4nvX57npt0bVzP54/TfKs4GmdWzcFi2JB+5eFp
rjtnCK+tosTQd73VzMMWk0fwiIew+GsB+g/ibK/WJW0LS6fktW2nPG2mGRbLLtf4
8W4ZmtZuQFTBSbmZ0csxQ/LahRosX82NbQyFPwuFMebqYho5iEYEGBECAAYFAj0N
jbQACgkQ5aav8hFsXIU0ogCeLnzxBftyPv5iS52Ear+q/mPZL7oAniB0B6mFARQV
gtLJNL6KejWqSh3V
=Z84i
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.183. Niels Heinen <niels@FreeBSD.org>

```
pub 1024D/5FE39B80 2004-12-06 Niels Heinen <niels.heinen@ubizen.com>
    Key fingerprint = 75D8 4100 CF5B 3280 543F 930C 613E 71AA 5FE3 9B80
uid                               Niels Heinen <niels@defaced.be>
uid                               Niels Heinen <niels@heinen.ws>
uid                               Niels Heinen <niels@FreeBSD.org>
sub 2048g/057F4DA7 2004-12-06
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibBEG0KfCRBACgVft+tcJtDzCAHLta1UxWLT5ucTeSfsNyhfYRdoz+IBtJ7bE+
8ydX/y8ZG9Rbb6SCP176Cq/sHj5hDlxp62k/7cs0cLvjqPC5dbZG8hgxyerygXLE4
b76zjI5KLOyCDRyqh+DEB04uuopZ7ACoJMRhCwyfgqJomlGy0Mr/BzffffCghsiF
7Ts0UyQcV0vLxSXBf5bZ5I0D+gIVZ5jLsS8IXUIZiK3dRFvHm4awrcxwLgKsfJ4J
wGv0MR5laNHXINUyaoEBdiUaCWw6J5lesluX7/g9+X8t9mvfMmDrVlRjKoc8zlhM
o29TB4oL5mM7jHjy0Dw8q/n11ydwQgu8a3v7giuoYa0KX4N58qWDDGBbd1j0kol
bnqIA/9+kVIr92q211LsR3GJTFMMs/f6nbDwlyZdpzxE7b2Xu5d175wjX1wqJT9C
pgS+8p8+Puj+KyVJCGQTW31Cba7W54b0xfBj62rreh/xVBwfdWdus3XH3WEH9KRm
pLXR0wTqlIAzL3CEu+iFqJKqU5AYe0PhhcT1TbF6PHp7iQdTrQmTmlbHMgSGVp
bmVuIDxuaWVscy5oZWluZW5AdWJpemVuLmNvbT6IYQ0TEQIAIQIbAwYLCQgHAWID
FQIDAyYCAQIeAQIXgAUCQbQ42AIZAQAQCRBhPnGqX+0bgGqSAJ4/ld+x0v6/64Up
+1IPobpSdvjgzgCeI7Kp4K1Td7QNQG6Afc9nY4WTj+60H05pZWxzIEhlaW5lbiA8
```

```
bmllbHNAZGVmYWNlZC5iZT6IXgQTEQIAHgUCQbQrdgIbAwYLCQgHAWIDFQIDAxYC
AQIeAQIXgAAKCRBhPnGqX+ObgIDjAJ9iqh9KLSBXEL3T9U4xsLpqKHoPugCfWm4T
jRLWPt0TEGm+0nmtlG1dP4+0Hk5pZwXzIEhlaW5lbiA8bmllbHNAAGVpbmVuLndz
PoheBBMRAGeBQJBTChXAhSDBGsJCacDAgMVAgMDfGIBAh4BAheAAAJEGE+capf
45uAc5kAoIIA2lj2dycq87whxsoWq/vpdb6sAJ4iHMxJ8xN9Qij+NiFZkNds4+iZ
uLQgTmlbHMgSGVpbmVuIDxuaWVsc0BGcmVlQlNELm9yZz6IXgQTEQIAHgUCQb1m
XAIbAwYLCQgHAWIDFQIDAxYCAQIeAQIXgAAKCRBhPnGqX+ObgB8fAJ9xsptfCNqT
ceHQzE6KvCAGUvTSQgCEmNrLow2tqvilcbrKyJHNwb8uace5Ag0EQbQoZRAIAMCB
AJMtUeb1EZKoeHhMia0oIfQP1u9CAEeLEcv6QhqqY/8qQdoQLpdfjXkKV5K1DcK
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6KA9BE8a07j/bJKaA5Qfr2WNlzsV7Pvj7kyx/wCOB1zCPLZGDILCW0vYrT9rRmz0
EINBEPqJLYAFBZ3eJl+0a8lWf1ERhmF2nzZ9Kr03nN5NA1iiQj3G6M3VgCmC7XX
DgDVycSt7ipFV7+2fUtRxFJgIwvkaDKsWb2vpzEcj+D7rAoGEiJmfWbBfDMB81
N9lBLHbAQ8f19pdaHiMAAWYH/ReHUKvakaHWhC02VAwYudIcTIwJ8FnZ6afU8av8
mHSZFol0ytUguxeJW4009z4TKU/9EfwT9V2HqnUQpff98YI/ysHkWuGLwplIe0N+
l2TNpIBYoYkyQwJHygqR+PaYG6X7ncICFqJTGbjFDjCPu4v+um8CNoT3dlzqYXIH
T2AX9zkS7600dRLqE1Zl684atsYQduYWdVPwh9fzER5zjwRk3My61fR7uYgpxwoc
SxZ0Q0U17s21G/pgqv/oZAPqLDuflXQ2ZG+naMfp8xMpsBJpWPF0FngkLx3VZKM8
Zx2MStJaqeoPVDjlvAbLPvOioFCUAcI062N0IcK4yV69YJyISQQYEIQACQCQbQo
ZQIbDAAKCRBhPnGqX+ObgBR1AJ4itGc8L05AY6C35TL+ilvXDp1uagCfR9Dxmg2u
9RkYrA9581i1Md2RCKU=
=x4MH
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.184. Jaakko Heinonen <jh@FreeBSD.org>

```
pub 2048R/F9A44D24949D44A4 2014-09-23 [expires: 2017-09-22]
    Key fingerprint = 2DFD B93A C98C A47A 6920 1FDB F9A4 4D24 949D 44A4
uid                               Jaakko Heinonen (FreeBSD) <jh@FreeBSD.org>
sub 2048R/724C087956D7D3CB 2014-09-23 [expires: 2017-09-22]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFQhjR8BCAD04CDHfqqpGdWjrWJXKjxrxCASt8WNyyID/kvWad1HzNMiF991
r/OYHFVGz402K0uPCqn9TKUiqt9Dws3xheehymQmhvIaoorLOGm0Mr14NLaCPg0
kX3jtW/Md+iez6hFhc9TCPY/fJbBGostyRYV364Fht1Y9XJGEGQBva3Fk8fLQ7xQ
T34HvgUhowRa+RaYX04ELnz0Vv/1pVWBTCbZVFkbaZH2VT04FWuJYuP9pZ0b5aB
F/K+0cXdsGhS1iRJJm/vGZGvtc3c9aKwXfTEeZvrpgiYJFEierzfsqGIYzK9Vrf
dztzrAzmdjVMYFQVb1VPOZTumoPm6ds8cY+vABEBAAg0KkphYwtrbyBIZWlub25l
biAoRnJlZUJTRCkgPgpOQEZYzWVCU0Qub3JnPokBPQQTaQoAJwUCVCg0vwIbAwUJ
Ba0agAULCQgHAWUVCgkICwUWAwIBAAIEAQIXgAAKCRD5pE0klJ1EpCq1B/wK5f1T
sXgloT3wvHcljysBbHLtEP8tdKyalIPCEoW0BAC5Mx5+8DV8Q0nKwMBRFudGfay
YLddRg5uIykJa5x3Rkdyx1hpJxSzfY8KdcNvb3A80XDpxjAC7Vb7FYmHA+dCkq/2
XBxM4ynuJxIzmVxc3jGMz1AiB8CGmeh0BCzYYGYeffXG5jIv8nq+Ak4s2+IVRk3v
cbbA8Bvt2C/PDp6aCiy/JDEqxZf5ddCaQ0fz0eR/wyUlK4lumIglhif1r8P9mN
g6kImIZ+YFy1NnKA8buc1qAK4Jyaj6wFr3A+v9BfWRTfvL0yLz4XnlzojswpIx9Y
8aBy1mdjUJplCcknuQENBFQhjR8BCADfoUiy23bKGRjR02C58UTgnRtdL4990dj
RS8krG/At6qECK8XtX4w5qjHPTY005VWyU7HVk6DQ7IjokNkm2TY7Uq2HdYjBtUj
yQr5Ae5vKJZQ5MiaV9RLofU25nxi2ob2rgvPNLlT0fsJ3R7dgZFCDBrkmTtoi8Ke
0IYnsqcbCGWwIZNZTeLS6Ykg24y3kADxsCcQh9i/WrnRTTSKFGVGAeD6Rxf+YNNq
/pp0k3locu5gcvX6CSUJdqf0gvQeJv8v+lvMXyBwPnX7FC5Z8kZ939LaFSs3kcU
N5/+gAREA8o0H/lA1kiBuVgo+6Px42IyiU0IRI70dCb7H+BiT2k/ABEBAAgJASUE
GAEKAA8FAlQhjR8CGwwFCQWjmoAACgkQ+aRNJJSDrKT9iWgAgRb32jaLEAMtrKfZ
XbwY8bSUsIG+n7WgaaTbg5DgWQODz5VgHyFZDAM8ps/pSMHXL3P6fZLLrWnxcK
al9o9/yU10X+BPCLF4uH93TSM2IzYrZvHzq00V39Wi2pBnSrgYPbaQ072MvHidCG
AzldV5QRCHVUC5kENsUX75AdXm45fCJqG5F7l+Y7ij/V3TVE2MJUwBZLsPwmVtR
qUd6g2D8/6fx7MUX0IytCtkGnFogzBNdKsSAyGRg0HK1m72IcW63oPEK02VI4++W
mEv5mI1LpxQfnEGxkkNiWHV17Bbd/jXdyUChPoP3I1lq3/o2WZ6Tf5SAyRLco3Jq
Slt66A==
=wa8M
-----END PGP PUBLIC KEY BLOCK-----
```

**3.185. Jason Helfman <jgh@FreeBSD.org>**

```
pub 2048R/4150D3DC 2011-12-18 [expires: 2021-12-15]
    Key fingerprint = 8E0D C457 9A0F C91C 23F3 0454 2059 9A63 4150 D3DC
uid                               Jason Helfman <jgh@FreeBSD.org>
sub 2048R/695B1B92 2011-12-18 [expires: 2021-12-15]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQENBE7uUe0BCAC2rJ274YwppqkG1SvbLlCdJPQqctt3ELAv/3Jhw7LJ1RjMbZs2
3QNs4oz/Qb0Ge2kj6/NhJ/VpBqDcv0av9mwbZvN4NR+eA78Nj8tKgRYB67Daf8EA
NtmJJ1sfzMHecEwjiDK71XBSGSzaUqGG3x2oJBpoWuaRAUEDL7TvjZAOUtw1/1v
dXZv05+cFiLBAhsuiKSQ5IiwZlv9toq06biicQak8e27pM8XCfj5Vx/xs30tSbf
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PGpnaEBGcmVlQLNELM9yZz6JAT4EEwECACgFAk7uUe0CGwMFCRLMAwAGCwkIBwMC
BhUIAgkKCwQWAgMBAh4BAheAAAOJECBZmmNBUNPcKtEIALSkfF5Sem7A9X6f2jN3
u0/sshrmMz2irUiFvgbXp4F5vbZk58Nb3035ds3rSZ9AZ1kbrAWvXnbaMH1pyzo
bnx7HNkibErZ4UmIG8i8b9Vrtllho2iIVaHJlBEAaq30lCXzkvKeQbR1n83V4jB1
d+zeMRTz0IItxlqZajxDpiHAgopP7covZU456Yvnrmi6Xf3ZP0t7gJCot0dYcT0
EY97pEJQKT8CuA/j/rkSDW8GfUBb+T65L/h2zysQn8pMQf rL02+wUwYuc0QyGZSs
9mdnmZs4XQmmQUiWyzftzEMjM9KJKmJ6qhZ+Apm8UZ8snKy9jH8AWS20+SaGrgP
Ryq5A00ETu5R7QEIAKpA50r5loBPXoTa2UWp5I22MHqHlKz8wHDjyWe2yyK13hjs
VSi31Dx0KZ0K0PMD190UXzsAb54UQSZZtbKjXdJeiJpzyzh9eVEBy11tL6AC0H4o
2qWLZFU0MbxAGDvfKwF6xkzIdjiPk+mBUx6AEsDUHX0aLAcMbguiLMzof9btGgQc
oYcR63kscoNz2tx7M1pJ6Za50Eaal6DZCYkmp4yHv2xckZ1cnTH94mN5YwmlWotS
ysMUy+05qTrL5ZXn+Az1Bewo62n1pk0HWIgiogcTUpibAfLZsgI9iFEQbJns3U+C
kyQh9xiXs6I2CHTFtngG6S2a1NcFGpLsxEbVuG8AEQEAAyKBJQQYAQIADwUCTu5R
7QIbDAUJESwDAAAKCRAgWZpjQVDT3P0nB/0XZUzuA8ytqhnzKxY25Kr/Oc8wczM3
XYS4DpL1TnghePjkjDEKhcC+1qDyglk5Qmf7L/uGV7n1pLFLBLwv72LYnaAMmbOk
Xidc1LhB4YMrxc6tyFfER+ypw26FqfuvNk3QAGdQwvFQqq8dSyyA8KKDaP3ehKha
/pmEJOC80jqIp50fa7J2QMPJ/kfegsjAmBQEgqcBmt8Rb7xM7NrFkPDcWRoB75Ca
xoRV2eiDxMmNoTPDnjGyycndaa0goAhXwpoAnmxIVVHs26q0x0yoq9ZYhVgx9o/S
dAHXDxMry5RLmXqj4uDPTUvGpxcEb0zVPBwmoqDJE5LL0rwaQ/DXZG
=hr4n
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.186. Guy Helmer <ghelmer@FreeBSD.org>**

```
pub 2048R/8F1CEBC4 2012-05-22
    Key fingerprint = 483E 9E6C C644 2520 C9FE 4E87 9989 CCAF 8F1C EBC4
uid                               Guy Helmer <guy.helmer@palisadesystems.com>
uid                               Guy Helmer <guy.helmer@gmail.com>
uid                               Guy Helmer <ghelmer@freebsd.org>
sub 2048R/2073E3F8 2012-05-22
```

```
pub 1024R/35F4ED2D 1997-01-26 Guy G. Helmer <ghelmer@freebsd.org>
    Key fingerprint = A2 59 4B 92 02 5B 9E B1 B9 4E 2E 03 29 D5 DC 3A
uid                               Guy G. Helmer <ghelmer@cs.iastate.edu>
uid                               Guy G. Helmer <ghelmer@palisadesys.com>
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Comment: GPGTools - http://gpgtools.org
```

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FyIpPo3jjiHY6JR81mtX1/P05X4oUppVJF+2nj5f5VKmBNmuLJk9w8XLA76Ct6gM
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IEdleSBIZWxtZXIgpGdoZwxtZXJAZnJLZwJzZC5vcmc+iQE5BBMBAGAjBQJPu9k5
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.187. Maxime Henrion <mux@FreeBSD.org>

```
pub 1024D/881D4806 2003-01-09 Maxime Henrion <mux@FreeBSD.org>
Key fingerprint = 81F1 BE2D 12F1 184A 77E4 ACD0 5563 7614 881D 4806
sub 2048g/D0B510C0 2003-01-09
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.2.1 (FreeBSD)
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.188. Wen Heping <wen@FreeBSD.org>

```
pub 2048R/A03F07DA 2012-12-10
    Key fingerprint = 0258 F2C7 C123 E627 9E14 B4BA 270F 30AA A03F 07DA
uid          Wen Heping (wen) <wen@FreeBSD.org>
sub 2048R/CFC8D6A9 2012-12-10
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.189. Dennis Herrmann <dhn@FreeBSD.org>

```
pub 4096R/F7CDCAA1 2012-08-26
    Key fingerprint = 0587 E730 68A6 2646 A991 505D CD9B 3A87 F7CD CAA1
uid          Dennis 'dhn' Herrmann (Everybody wants to go to heaven, but nobody
    wants to die) <dhn@FreeBSD.org>
sub 4096R/0A6D554F 2012-08-26
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.190. Justin Hibbits <jhibbits@FreeBSD.org>

```

pub 2048R/37BE2DB9 2011-12-01
Key fingerprint = 8A12 7064 4F3D 339A 191D AD52 30C7 858E 37BE 2DB9
uid Justin Hibbits <chmeedalf@gmail.com>
uid Justin Hibbits <jhibbits@freebsd.org>
uid Justin Hibbits <jrh29@alumni.cwru.edu>
sub 2048R/A8DA156F 2011-12-01

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.191. John Hixson <jhixson@FreeBSD.org>

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pub  rsa4096/46A96305BFE23D40 2018-07-23 [SC] [expires: 2023-07-22]
      Key fingerprint = 25A0 2CC1 0650 31F9 4274 203A 46A9 6305 BFE2 3D40
uid   John Hixson <john@ixsystems.com>
uid   John Hixson <jhixson@FreeBSD.org>
uid   John Hixson <jhixson@gmail.com>
uid   John Hixson <john@freenas.org>
uid   John Hixson <john@trueos.org>
sub   rsa4096/BA881F39D4C7DB9F 2018-07-23 [E] [expires: 2023-07-22]

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### 3.192. Peter Holm <pho@FreeBSD.org>

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pub 1024D/CF244E81 2008-11-17
Key fingerprint = BE9B 32D8 89F1 F285 00E4 E4C5 EF3F B4B5 CF24 4E81
uid Peter Holm <pho@FreeBSD.org>
sub 2048g/E20A409F 2008-11-17
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### 3.193. Mitchell Horne <mhorne@FreeBSD.org>

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Key fingerprint = 929F DC60 F71F 69B0 2242 F002 8BF8 274C E754 89DF
uid Mitchell Horne <mhorne@FreeBSD.org>
sub rsa2048/3B7575001B0E97C1 2019-03-21 [E] [expires: 2022-03-20]
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Bp53re/HdjLxsacWgyYj0FEbqtjP3jCLOcJwsLmbxMqEryetHmboxisZuSpB4o8V
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### 3.194. Bradley T. Hughes <bhughes@FreeBSD.org>

```

pub   rsa2048/B12E03CA55A31C15 2017-05-29 [SC] [expires: 2020-05-28]
      Key fingerprint = 9580 065C 49C1 ED72 1F6D 56BA B12E 03CA 55A3 1C15
uid   Bradley T. Hughes <bhughes@freebsd.org>
uid   Bradley T. Hughes <bradleythughes@fastmail.fm>
sub   rsa2048/427A7C7D32CF6EBC 2017-05-29 [E] [expires: 2020-05-28]

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### 3.195. Michael Landin <mich@FreeBSD.org>

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pub  rsa2048/7E7525E01CB36065 2016-08-09 [SC] [expires: 2019-08-09]
      Key fingerprint = 5D1D BE96 AD39 8E71 6E77 B0D8 7E75 25E0 1CB3 6065
uid   Michael Landin <mich@prodnet.eu>
uid   Michael Landin <mich@FreeBSD.org>
sub   rsa2048/63B98AE69C6F5A08 2016-08-09 [E] [expires: 2019-08-09]
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```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.196. Po-Chuan Hsieh <[sunpoet@FreeBSD.org](mailto:sunpoet@FreeBSD.org)>

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pub   ed25519/9A4BD10F002DD04B 2018-12-31 [SC]
      Key fingerprint = 6448 C1A7 A9BE 24CC 868E DE72 9A4B D10F 002D D04B
uid   Po-Chuan Hsieh <sunpoet@sunpoet.net>
uid   Po-Chuan Hsieh <sunpoet@FreeBSD.org>
sub   cv25519/E33F6551F35D4BAE 2018-12-31 [E]
      Key fingerprint = 2835 0E57 A5C2 A5B7 69E5 B3E9 E33F 6551 F35D 4BAE
sub   ed25519/D49B456A2CEB429C 2018-12-31 [A]
      Key fingerprint = 5C17 4004 710B 9F3C 1D53 E2DD D49B 456A 2CEB 429C
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DwAt0EsFALwp7DKGQEQACgkQmkvRDwAt0Ev04AD/Uj0L2/r63BoEFHx+fH6Ihz1z
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```

### 3.197. Li-Wen Hsu <[lwhsu@FreeBSD.org](mailto:lwhsu@FreeBSD.org)>

```
pub   rsa4096/B2EF8695EA4E8397 2018-07-04 [C] [expires: 2021-07-03]
      Key fingerprint = 6445 3195 B651 260F E643 8D4B B2EF 8695 EA4E 8397
uid   Li-Wen Hsu <lwhsu@lwhsu.org>
uid   Li-Wen Hsu <lwhsu@FreeBSD.org>
sub   rsa4096/8D7BCC7D012FD37E 2018-07-04 [S] [expires: 2021-07-03]
      Key fingerprint = C097 BEAE 9A2B 31BB A032 6F28 8D7B CC7D 012F D37E
sub   rsa4096/6A9C848810D38D2C 2018-07-04 [E] [expires: 2021-07-03]
      Key fingerprint = 6386 BABC 276C 3BA2 FA97 36D5 6A9C 8488 10D3 8D2C
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.198. Howard F. Hu <foxfair@FreeBSD.org>

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pub 1024D/4E9BCA59 2003-09-01 Foxfair Hu <foxfair@FreeBSD.org>
Key fingerprint = 280C A846 CA1B CAC9 DDCF F4CB D553 4BD5 4E9B CA59
uid Foxfair Hu <foxfair@drago.fomokka.net>
uid Howard Hu <howardhu@yahoo-inc.com>
sub 1024g/3356D8C1 2003-09-01
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**3.199. Wei Hu <whu@FreeBSD.org>**

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pub   rsa2048/E6001C673CCD08F7 2015-02-27
      Key fingerprint = 351D AC21 7E16 BC06 7CA0 7705 E600 1C67 3CCD 08F7
uid   Wei Hu <whu@FreeBSD.org>
sub   rsa2048/0C7F6F103AAA0465 2015-02-27
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**3.200. Chin-San Huang <chinsan@FreeBSD.org>**

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pub   1024D/350EECFa 2006-10-04
      Key fingerprint = 1C4D 0C9E 0E68 DB74 0688 CE43 D2A5 3F82 350E ECFA
uid   Chin-San Huang (lab) <chinsan@chinsan2.twbbs.org>
uid   Chin-San Huang (FreeBSD committer) <chinsan@FreeBSD.org>
uid   Chin-San Huang (Gmail) <chinsan.tw@gmail.com>
sub   2048g/35F75A30 2006-10-04
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### 3.201. Stephen Hurd <[shurd@FreeBSD.org](mailto:shurd@FreeBSD.org)>

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pub 2048R/B3B5A1B498CE5CD0 2014-06-11 [expires: 2017-06-10]
Key fingerprint = CA52 12EE 760A BCAA 0D5E 2974 B3B5 A1B4 98CE 5CD0
uid Stephen Hurd <shurd@FreeBSD.org>
sub 2048R/DA5C47503253C094 2014-06-11 [expires: 2017-06-10]
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=EUs+
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.202. Rainer Hurling <[rhurlin@FreeBSD.org](mailto:rhurlin@FreeBSD.org)>

```
pub rsa2048/C3F333C37E88B520 2020-09-03 [SC] [expires: 2023-09-03]
Key fingerprint = FA63 BF1D 435B FEF8 B403 50BD C3F3 33C3 7E88 B520
```

```
uid Rainer Hurling <rhurlin@FreeBSD.org>
sub rsa2048/243D00B5FD4ACE94 2020-09-03 [E] [expires: 2023-09-03]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBF9RS8QBCADw0YH9larXht2DH9QqbUBXS9411ICsk7hZ/mcnBmtcvmbpg8LV
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-----END PGP PUBLIC KEY BLOCK-----

### 3.203. Ilya Bakulin <[kibab@FreeBSD.org](mailto:kibab@FreeBSD.org)>

```
pub rsa2048/4A2622C9259821D3 2017-09-11 [SC] [ &#1075;&#1086;&#1076;&#1077;&#1085;
&#1076;&#1086;: 2020-09-10]
&#1054;&#1090;&#1087;&#1077;&#1095;&#1072;&#1090;&#1086;&#1082;
&#1082;&#1083;&#1102;&#1095;&#1072; = AC40 A187 F282 7D82 56B8 25DE 4A26 22C9 2598 21D3
uid Ilya Bakulin <kibab@FreeBSD.org>
sub rsa2048/5809B95B45328612 2017-09-11 [E] [ &#1075;&#1086;&#1076;&#1077;&#1085;
&#1076;&#1086;: 2020-09-10]
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.204. Davide Italiano <davide@FreeBSD.org>

```
pub 2048R/4CB47484 2012-01-17
Key fingerprint = B5C9 77F5 1E67 D110 8D19 7587 EB95 EA82 4CB4 7484
uid Davide Italiano <davide@FreeBSD.org>
sub 2048R/91F7443D 2012-01-17
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.205. Jordan K. Hubbard <jkh@FreeBSD.org>

```
pub 1024R/8E542D5D 1996-04-04 Jordan K. Hubbard <jkh@FreeBSD.org>
Key fingerprint = 3C F2 27 7E 4A 6C 09 0A 4B C9 47 CD 4F 4D 0B 20
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

mQCNAzFjX0IAAAEEAml+nm9/kDNpp43ZUZGjYkm2QLtoC1Wxr8JulZXqk7qmhYcQ
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=ZyVN
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.206. Sevan Janiyan <[sevan@FreeBSD.org](mailto:sevan@FreeBSD.org)>

```

pub 4096R/C82DCB40533F4B3B 2015-06-12 [expires: 2019-06-12]
    Key fingerprint = 9708 31B8 09EB F7C3 8AB8 176F C82D CB40 533F 4B3B
uid                               Sevan Janiyan <venture37@geeklan.co.uk>
uid                               venture37 <venture37@geeklan.co.uk>
uid                               Sevan Janiyan <sevan@netbsd.org>
uid                               Sevan Janiyan <sevan@FreeBSD.org>
sub 4096R/8CE29DC290191806 2015-06-12 [expires: 2019-06-12]

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.207. Konrad Jankowski <versus@FreeBSD.org>

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pub 1024D/A01C218A 2008-10-28
     Key fingerprint = A805 21DC 859F E941 D2EA 9986 2264 8E5D A01C 218A
uid                               Konrad Jankowski <versus@freebsd.org>
sub 2048g/56AE1959 2008-10-28

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### 3.208. Kurt Jaeger <pi@FreeBSD.org>

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pub 4096R/2A4392E050E8798D 2014-04-24 [expires: 2022-06-18]
     Key fingerprint = FD38 1F8F 1360 2A49 26D4 4CF3 2A43 92E0 50E8 798D
uid                               Kurt Jaeger <pi@FreeBSD.org>
sub 4096R/2FC3A793B283D724 2014-04-24 [expires: 2022-06-18]

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### 3.209. Weongyo Jeong <weongyo@FreeBSD.org>

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pub 1024D/22354D7A 2007-12-28
Key fingerprint = 138E 7115 A86F AA40 B509 5883 B387 DCE9 2235 4D7A
uid Weongyo Jeong <weongyo.jeong@gmail.com>
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sub 2048g/9AE6DAEE 2007-12-28

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### 3.210. Peter Jeremy <peterj@FreeBSD.org>

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      Key fingerprint = D8CE A5F2 F7C8 78E0 0297 8B94 1D92 14A2 699F 8CB2
uid   Peter Jeremy (preferred) <peter@rulingia.com>
uid   Peter Jeremy <peter.jeremy@auug.org.au>
uid   Peter Jeremy <peterj@freebsd.org>
uid   Peter Jeremy <peterjeremy@acm.org>
uid   [jpeg image of size 4183]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.211. Tatuya JINMEI <jinmei@FreeBSD.org>

```

pub 1024D/ABA82228 2002-08-15
    Key fingerprint = BB70 3050 EE39 BE00 48BB A5F3 5892 F203 ABA8 2228
uid          JINMEI Tatuya <jinmei@FreeBSD.org>
uid          JINMEI Tatuya <jinmei@jinmei.org>
uid          JINMEI Tatuya (the KAME project) <jinmei@isl.rdc.toshiba.co.jp>
sub 1024g/8B43CF66 2002-08-15

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.212. Michael Johnson <ahze@FreeBSD.org>

```

pub 1024D/3C046FD6 2004-10-29 Michael Johnson (FreeBSD key) <ahze@FreeBSD.org>
    Key fingerprint = 363C 6ABA ED24 C23B 5F0C 3AB4 9F8B AA7D 3C04 6FD6

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uid Michael Johnson (pgp key) <ahze@ahze.net>
sub 2048g/FA334AE3 2004-10-29
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-----END PGP PUBLIC KEY BLOCK-----

### 3.213. Mark Johnston <markj@FreeBSD.org>

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pub rsa4096/81EA2FA79A8578FF 2020-09-25 [SC] [expires: 2023-09-25]
Key fingerprint = 0062 0D9D 91BD 1FA0 DD26 B593 81EA 2FA7 9A85 78FF
uid Mark Johnston <markj@FreeBSD.org>
sub rsa4096/5A6159844748A479 2020-09-25 [E] [expires: 2023-09-25]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.214. Trevor Johnson <trevor@FreeBSD.org>

```

pub 1024D/3A3EA137 2000-04-20 Trevor Johnson <trevor@jppj.net>
Key fingerprint = 7ED1 5A92 76C1 FFCB E5E3 A998 F037 5A0B 3A3E A137
sub 1024g/46C24F1E 2000-04-20

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Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

### 3.215. Tom Jones <[thj@FreeBSD.org](mailto:thj@FreeBSD.org)>

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pub  rsa4096/F93797EE461CFB44 2018-04-04 [SC] [expires: 2021-04-07]
    Key fingerprint = 04C3 7D94 BE2F A7D5 97CE B2DA F937 97EE 461C FB44
uid                               Tom Jones <tom@erg.abdn.ac.uk>
uid                               Tom Jones <tj@noti.me>
uid                               Tom Jones <thj@freebsd.org>
uid                               Tom Jones <jones@sdf.org>
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### 3.216. Matt Joras <mjoras@FreeBSD.org>

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pub  rsa2048/2C6A6CC114C8452F 2017-07-20 [SC] [expires: 2020-07-19]
      Key fingerprint = 09D6 82BA 15B1 C6E5 FFF1 6CBE 2C6A 6CC1 14C8 452F
uid          Matt Joras <mjoras@FreeBSD.org>
sub  rsa2048/6E246E33D1C375F3 2017-07-20 [E] [expires: 2020-07-19]

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### 3.217. Eric Joyner <erj@FreeBSD.org>

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pub   rsa4096/96F0C6FD61E05DE3 2015-01-28 [SC] [expires: 2021-02-05]
      Key fingerprint = C5FA EC74 96D2 C61B C548 FA37 96F0 C6FD 61E0 5DE3
uid   Eric Joyner <erj@erj.cc>
uid   Eric Joyner <eric.joyner@intel.com>
uid   Eric Joyner <erj@freebsd.org>
uid   Eric Joyner <riceral0@gmail.com>
uid   [jpeg image of size 5419]
sub   rsa4096/D2427EB089BCF21B 2015-01-28 [E] [expires: 2021-02-05]
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3.218. Allan Jude <[allanjud@FreeBSD.org](mailto:allanjud@FreeBSD.org)>

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### 3.219. Tom Judge <tj@FreeBSD.org>

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### 3.220. Alexander Kabaev <[kan@FreeBSD.org](mailto:kan@FreeBSD.org)>

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pub  rsa4096/0713229992792E7E 2015-06-05 [expires: 2018-06-05]  
    Key fingerprint = C5F7 D995 99B6 41E1 3C51 5691 0713 2299 9279 2E7E  
uid  Alexander Kabaev <kan@freebsd.org>  
uid  Alexander Kabaev <kan@fb.com>  
uid  Alexander Kabaev <kabaev@gmail.com>  
sub  rsa4096/BB68B7A439D5FFAC 2015-06-05 [expires: 2025-06-02]
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### 3.221. Benjamin Kaduk <[bjk@FreeBSD.org](mailto:bjk@FreeBSD.org)>

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pub  rsa3104/28D9A6F364EB7512 2013-12-24 [SC] [expires: 2021-12-03]
      Key fingerprint = D961 95E0 4D80 45FF 4160 FD17 28D9 A6F3 64EB 7512
uid  Benjamin Kaduk <bjk@FreeBSD.org>
uid  Benjamin Kaduk <kaduk@mit.edu>
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### 3.222. Poul-Henning Kamp <phk@FreeBSD.org>

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### 3.223. Sergey Kandaurov <pluknet@FreeBSD.org>

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pub 2048R/10607419 2010-10-04
Key fingerprint = 020B EC25 7E1F 8BC5 C42C 513B 3F4E 97BA 1060 7419
uid Sergey Kandaurov (freebsd) <pluknet@freebsd.org>
uid Sergey Kandaurov <pluknet@gmail.com>
sub 2048R/5711F73B 2010-10-04

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### 3.224. Coleman Kane <cokane@FreeBSD.org>

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pub 1024D/C5DAB797 2007-07-22
Key fingerprint = FC09 F326 4318 E714 DE45 6CB0 70C4 B141 C5DA B797
uid Coleman Kane (Personal PGP Key) <cokane@cokane.org>
uid Coleman Kane (Personal PGP Key) <cokane@FreeBSD.org>
sub 2048g/5C680129 2007-07-22
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### 3.225. Mike Karels <karels@FreeBSD.org>

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pub  rsa2048/8CCF69ECC5CF284F 2016-06-16 [SC] [expires: 2022-08-31]
     Key fingerprint = EAB9 5249 B48A A991 130D 6746 8CCF 69EC C5CF 284F
uid  Michael Karels <karels@freebsd.org>
sub  rsa2048/B4CE5C0549FFC668 2016-06-16 [E] [expires: 2022-08-31]
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### 3.226. Takenori KATO <kato@FreeBSD.org>

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pub  4096R/3CF9ACE7 2012-10-02
     Key fingerprint = 5B72 AEF9 B2F9 069D 54FE CF60 444F 91C8 3CF9 ACE7
uid  KATO Takenori <kato@FreeBSD.org>
uid  KATO Takenori <kato@nendai.nagoya-u.ac.jp>
sub  4096R/1C593356 2012-10-02
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### 3.227. Josef Karthausser <joe@FreeBSD.org>

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pub 1024D/E6B15016 2000-10-19 Josef Karthausser <joe@FreeBSD.org>
Key fingerprint = 7266 8EAF 82C2 D439 5642 AC26 5D52 1C8C E6B1 5016
uid Josef Karthausser <joe@tao.org.uk>
uid Josef Karthausser <joe@uk.FreeBSD.org>
uid [revoked] Josef Karthausser <josef@bsd.i.com>
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uid [revoked] Josef Karthausser <joe@pavilion.net>  
sub 2048g/1178B692 2000-10-19

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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see <http://www.gnupg.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.228. Vinod Kashyap <vkashyap@FreeBSD.org>

```
pub 1024R/04FCCDD3 2004-02-19 Vinod Kashyap (gnupg key) <vkashyap@freebsd.org>
Key fingerprint = 9B83 0B55 604F E491 B7D2 759D DF92 DAA0 04FC CDD3
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mIsEQDQwdAEEANxnThVC8GN09VXTjWFhJh7XgMLHf9jDd0B1804WUqc3c76r8y/k
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### 3.229. Patrick Kelsey <pkelsey@FreeBSD.org>

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pub  rsa4096/ADE1EBB059F1D1CE 2017-06-05 [expires: 2020-06-04]
     Key fingerprint = EF68 C6CC 60E6 6C5A 7896 E925 ADE1 EBB0 59F1 D1CE
uid  Patrick J Kelsey <kelsey@ieee.org>
uid  Patrick J Kelsey <pkelsey@freebsd.org>
sub  rsa4096/E880A4E060DE2D08 2017-06-05 [expires: 2020-06-04]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.230. Piotr Kubaj <pkubaj@FreeBSD.org>

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pub  rsa2048/3CEB181743F18659 2019-04-15 [SC] [expires: 2022-04-14]
      Key fingerprint = 0096 5421 A659 CCD5 2A01 127A 3CEB 1817 43F1 8659
uid  Piotr Kubaj <pkubaj@FreeBSD.org>
sub  rsa2048/078ED20061C6926B 2019-04-15 [E] [expires: 2022-04-14]

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=TVj
-----END PGP PUBLIC KEY BLOCK-----

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### 3.231. Kris Kennaway <kris@FreeBSD.org>

```

pub  1024D/68E840A5 2000-01-14 Kris Kennaway <kris@citusc.usc.edu>
      Key fingerprint = E65D 0E7D 7E16 B212 1BD6 39EE 5ABC B405 68E8 40A5
uid  Kris Kennaway <kris@FreeBSD.org>
uid  Kris Kennaway <kris@obsecurity.org>
sub  2048g/03A41C45 2000-01-14 [expires: 2006-01-14]

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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3.233. Max Khon <fjoe@FreeBSD.org>

```

pub 1024D/6B87E212 2009-02-17
    Key fingerprint = 124D EC6C 6365 D41A 497A 9C3E FCF3 8708 6B87 E212
uid Max Khon <fjoe@FreeBSD.org>
uid Max Khon <fjoe@samodelkin.net>
sub 2048g/CB71491D 2009-02-17

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.234. Manolis Kiagias <manolis@FreeBSD.org>

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pub 1024D/6E0FB494 2006-08-22
    Key fingerprint = F820 5AAF 7112 2CDD 23D8 3BDF 67F3 311A 6E0F B494
uid Manolis Kiagias <manolis@FreeBSD.org>
uid Manolis Kiagias <sonicy@otenet.gr>
uid Manolis Kiagias (A.K.A. sonic, sonicy, sonic2000gr)
    <sonic@diktia.dyndns.org>
sub 2048g/EB94B411 2006-08-22
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.235. Stephen J. Kiernan <stevek@FreeBSD.org>

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pub rsa4096/2EA3D5636556C92C 2016-06-10 [SC] [expires: 2019-06-10]
    Key fingerprint = BE84 33CF D6B9 9C8A C762 28ED 2EA3 D563 6556 C92C
uid Stephen J. Kiernan <steve@novexsolutions.com>
uid Stephen J. Kiernan <stevek@juniper.net>
```

```
uid          Stephen J. Kiernan <steve@vegamuse.org>
uid          Stephen J. Kiernan <hackagadget@gmail.com>
uid          Stephen J. Kiernan <stevek@freebsd.org>
sub  rsa4096/822AD1C921AC180A 2016-06-10 [E] [expires: 2019-06-10]
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oZ13X194B/dW5b5VmwShpvjECvYSi2oef9K86gfoXPurpH9VZYf0i0yuN2at9K3i
oUHZ4QRjXVl2xrHmW7RdodLMDij0/Afhf0M2/YtPcpqNhE3Ler0pcafpjP1tliDU
R6PPdVn4Dc/GH5yoezP1Gdj7Rh6f40jMtIHxgWfVhzTo+po97C4ljIocU4HZF35
MH1FuzuDwPKh2qCVnHYWk0ZfTTRZxV0JIheG2KNrFoLMy3jAycl7LOHiKTCp8uf0
eWy3ttt9i2m1M83MzwMBcb2yD7ibJdb0Xh9AqG2YGoR44DsIhcHR+5vhSX0JKVx
/VZuX9exnNwPQtMzRtpmXh+v1YjDMUImHrmdEdi8Vyc8WoD/lpUCEo0YqNA/ut
vytWuTNI3f/q9xu41g9W0S3Wr55nCpiXejBu+G5kZxBftsgH8LwLSqH6JYRMqkU
R/dm7JFqdpS5Yw6mtD9xMiU1rCq4uiaZelbx4wWC6pKunnd1nAvHKictK5vwINY8
yGLGAN5Y7tAUrsZqDPXBe2Lca06o7dXS31cvSGrtGAvGuV0jJynS16VZxqVn0fi6
SfNc1k5bfrkCDQRXWw0QARAAx+bck+4CnTgTn6RXYhBg0IrelYDIum0lPg1YwzTW
mQV+xL6CfaWtak0arbdGyxgPHdgc0Yj722+fNs44vkCng42x6K4dgsCbGA7crW0v
QRwHLc7TWLEx9mRIINMe4eYz9xzem0jWmYkQvvcEMEE7mwLCEhpNatA7ruAwZjQR
ZP8yREtoF0B0IGg8kzrJij5med87tLLt82vITgwnNkm8iNYFh6eXxr3f8biJwo5d
WMu1z+ps1ns8LYIKB43nTObDnBg785EZUIPlfhTCNuDASrSBmKpwJCP4Vdimpt4D
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VRYty0JCAffLRLZ3BMRpcBhBgFLiN9PdkzjWVa2UMUcIkT0Bi4tsQPTiE9lidfw/
rqrkr48Xt1X4cdFqB1MCXucV7aothItDNEKF2unscNtp2JrLEQ9LoxpkvLQQ2rT0
IItLy/shVRUpdCy0CWwCufN5kqF7Ltz/kqDuecamQoS9z4teyzeMRYPdohA6Nq
hUP39pCsEbwIUDf7fZVZVjJy/GAs20lMTBi0T4i5RQvLxEM8BKkuYB/6DfJye0Zf
aZ8AEQEAAyKcJQYQAQoADwUCV1sNEAIbDAUJBAoagAAKRAAo9VjZVbJLP2jD/wL
Y/dJEvKR4L1vx2chGGQ/Ja0mDka808syCArobV7u2nbpqkedGGbZCVhVUEskVPFQ
qTcRLo00udN9SkVMtFIEsJ70E1LYbsfoffoGylx0RmICU9S8M067JeKjRKC/6tj
8Qm/tw3seFdnclAXIDdksFI/VULBHMOKPm9z3/5iHs6PZeMYvUri6IniJDQ7Xhi8
+Xx0TYsWZgq2FT13hTapJw9ygo70F5MWuX8C9hMAqsiM6R55V5hgJ/gFQdl0YfyL
S1WcNS+DauzeLNTZmh8ioWIDY5eEGZoUX8Gqi9f04/+P+ebzr6kjFXGw/xlwLoFu
7HopwBBMbkPpGjqpCaTGiMPQjKseLWw8n58rWcyNe2gVNYGCrHa7CQR6DpjQNSJU
z6PTBcl6mW3EFxHtXSIpZgr6v0h0b3vv0ZtsBI/Uv0/PqDdDpCBs2iAoglyZJZTm
M+P74zDDBUoQQfKQqQ4m5Bv8Zt2hJd1nY/WHP0iBuP0hF8aBq9Sa/V25PLR8B89
WyA+7B+IZD0z16S6AzAvpVWJSBq0+C5/K7HY86A7rJHhr6uFaVfWVIAx33J/I92+
CiTV4owLikuQnEF5N+8JZYctUl4ZWIHYwBaWgrmVJw5Vzk5VASMp9yJ4wjLjiQNC
9C7GSJWYgDnu3EkVsovVDYbWskzFwDaVncIWqe0xIg==
=lCdq
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.236. Jung-uk Kim <jkim@FreeBSD.org>

```
pub 2048R/FCDBF146 2013-09-24 [expires: 2023-12-31]
    Key fingerprint = 9756 EA80 A691 CAA7 D65E EFC2 7C9F 9626 FCDB F146
uid          Jung-uk Kim <jkim@FreeBSD.org>
sub 2048R/501598FB 2013-09-24 [expires: 2023-12-31]
```



```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFJBztUBCACqNyGqmFuNo0U7MBzsD+q/G6Cv0l7LGVr0Asgh34M8wIWhD+t
ztDWMVfnAhxNDd0ceCj2bY0e67sTQxAScEcbt2FfvP0Lp9MEXb9qohZj172Gwkk7
dnh0hZZKhVGVZKM4NcsuBDUzgf4f3Vdzj4wg6WlqplnTZo8lPE4hZwvZHoFIyupP
TJWenybeV1xnxK7JkUdSvQR0fA59RfTTECMwTrSEfYgUnxIDBraxJ7Ecs/0hGQ7s
ljIj8WBvLRDU5fU1xfF35aw56T8P0QRqF4E6RVJW3YGuTpsWgtGZ0TfygcLRhAiq
3dFC3JNLATVTPm8Pj0inJyt9AU6RoITG0KwDABEBAAG0Hkp1bmcTdWsgS2ltIDxq
a2ltQEZYzWVCU0Qub3JnPokBPQQTAAQoAJwUCUKH01QIBAwUJE0/PowULCQgHAWUV
CgkICUWUAgMBAIEAQIXgAAKCRB8n5Ym/NvxRqyzB/wL7QtsIpeGfGIAZPMtgXMu
cM3NWzomyQMLn2j2efUkDKthzh9jBxgF53Tj0r7imwIt0PT2k1bqctPrq5IRqnu9
mGroqaCLE3LG2/E3jEaao4k9P06efwLiOyivUo5NrqIQ004k3EAXw7d2y0Dk1VpT
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KkJ8qY0ibIPXXuF0KYDeH0qUhtWV2K3srNyPtymUKBQD84PL1GWRyX05XdUHDmnX
0JV3lg0BfYJZgZv0ehPQrMfYFd9abTkf9FHQYz1JtsC8wUuRgqELRd6+YAGf8Tt9
uQENBFJBztUBCADLTSrP44E12VoJmH140FrL0gxzZnbn+Y/Gf1k12mJBiR+A+pBe
RLD50p7AiTrjHRX03cHcL9Dh0uf1VSbXgp80r0yeiP/86fZPd4k5HXNmDTL0Hec
PE08ScqGZ0W8vllQrokb1QxxRUB+fFMPJyMCjDAZ7P9fFTOSdTw1bJSTt0D8Sx8M
pZUa9ti06bXFLVYDlaqSdgk181SSx+ZbSkkQR8CIMARlHwiLsa3Z9q90EJR20HPy
xe0AlTvwvFndH61hg7ds63eRvgLwRnNON28VX0/lvKXq7Br/CiiyhFdKfINIX2Z5
htYq22tgT7mBURBikoECFBTX9Lv6BXz6w9ABEBAAGJASUEGAEKAA8FALJBztUC
GwwFCRNPzssACgkQfJ+WJvzb8UZcJQf+IsTCxUEqY7W/pT84sMg5/QD3s6ufTRnc
vq14fE0xCNq1Rf4Q9P+t0FA8GZfKdGB2BFGIRw7uT5mlmKdK1v06ZIA930y5kUsn
CmBUEBJkE2ciSQk01aB/lo62Q3Gk/F6BwtNY90XiQF7AcAo+K/BMIaqb26QKeh+I
IgK1NN9dQiq3ByTbL4zpgZa6MmsnnRTumzGKt2nkz7vBzH6+hZp10zGZikgjjhYw
Vf0Jo1dVf/rv4obs0ZJEqFPQs/1Qa1dbkKBv6odBXJpPH0s0luTY24d1XxTiKtW
mWvHeQkOKRAIFd7VTtF4TesoZYkf7hsh3e3VwXhptSLFnE0iWwYofg==
=apmV
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.237. Zack Kirsch <zack@FreeBSD.org>

```
pub 1024D/1A725562 2010-11-05 Zack Kirsch <zack@freebsd.org>
Key fingerprint = A8CC AA5E FB47 A386 E757 A2B8 BDD2 0684 1A72 5562
sub 1024g/6BFE2C06 2010-11-05
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibEzUTbERBACySfC0GxN2msGiMvx9yhyQuklGdDgYKAzm/TNlImVQF6q3qhcb
CJ6FaE99kFG5EmQXT8uCRSzb3/dIvNrhjTxrmT63kjs67mKnyHky3wP0NHCNSmZs
b5Ky3h/SPOpb0654zmhI7MGEm/xwBkQqc2YqfYTzRW83VNS9e/sTNzZWbWcGu0Pz
Hr++4PFj0nr8I6r5HKMrfzcd/i5B4dhi25M/KlQsM2dh3r/z8KZ/79gmHKBjMrHg
zI3sczQvXNo7jgaJwqgSInlfSoKKFyBw60qr0kP31E0K6ZKdrbph982BSx5qtGe2
xnDJNHRs0tgFqg3EW9DaYImdUmU0eW31evMwhjCYGSZF6iNVh6sahfZNFwmEgUXU
+zBJA/0YeIPcQNd0apJ8H/ATRH7SLyMME+GI0x+85VCD2VB0q+WCSN8U7gJ/FTn
0NCVAVtPt/IA0MCZTob2as0C4w3Ho3YZTnl0jl1taYCRQnENQoVoT7cCqN4auypU
0H2EvGPGUie+iZ4r+G2LLdrqPMiR5UTRcZuPk903VWXPpeJuoLQeWmFjayBLaXJz
Y2ggPHPhY2tAZnJLzWJzZC5vcmc+iF4EEeXECAB4FAkzUTbECGwMGcwkIBwMCAxUC
AwMwAgECHgECF4AAcGkQvdIGhBpyVwKvcwCfXGP1APXbQMMwyacrww4vfCjdTUPYA
njYDgw1ok7AiabZjdT6AppGeqDKyuQENBEzUTbIQBACYKMjEfC82aby7YMRmNqCR
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EP7gqeU/MzBcKi5Wk1oc0wADBQP/ZAgj30ub0ntbBealsqEydhysMMCOj0WJ75h
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c9ce80Ddq1DV4F7RWnhj13ej9k0neb0XhPdZ3FVDlc0P/88+5nL4bRLMuzp7g5rI
ONhG5W+ISQQYEIACQUCTNRNsgIbDAAKCR90gaEgnJVYhriAJ0Y6dyrFOU4sLuR
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=sdsn
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.238. Jakub Klama <jceel@FreeBSD.org>

```
pub 2048R/2AAEA67D 2011-09-27
    Key fingerprint = 40D6 097A 174F 511B 80EB F3A3 0946 4193 2AAE A67D
uid                               Jakub Klama <jceel@FreeBSD.org>
sub 2048R/5291BC4D 2011-09-27
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBE6BwQkBCAClLA3LvksIethpx05Q3MwzG/bAcPBlclrl/trlPtPGYqYlSfRc
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2kpUrxyeZw5mzdqj3p4t9vSyY9njTNkRaJ3B1ozlEx+8vq3SgFHZFgHjuyDi0R
S8jMIXrHJb3mhnTABRr90vIj0eHHsuq75YwnWdBNyFU8t50zT/mshUCGLX7UWqEX
WhsXXlqNqCFRW/AGpqwj8LhcLC7SyrNB8wu37L+duIqcmnTeT6a0jHc57ZLe8Jdj
EtUVtRoJ4txRnHLQM3B4sZ7ybP3sCTMnPzV/ABEBAAG0H0pha3ViIEtsYw1hIDxq
Y2VlbEBGcmVlQlNELm9yZz6JATgEwECACIFak6BwQkCGwMGcwkIBwMcbhUIAgkK
CwQWAgMBAh4BAheAAoJEA1GQZMqrqZ9C9wH+gJzw7uvpz5VwJRN3buK4n46v8qU
YFQrWwGzV00R5QMrFcN6x7FzZupLFx3B0ih1ak3UPVyJ3fcmCORAHU1QkCnwCBnm
IUNRGPwC2WvD0hiBcBXpeBRbshyeWkvqacLnSvc0WUZP58gmJnLZjCs5ke+se/T
gZgSTTU7mMFCG7MA4EXcvtIX8VWXWVyXufXfDBoQnQkuLtbtoetYE692063YUisLk
URw53loB9jonBkZ2LWPKN6Q0HF/34HrP/Bw4ZZnYZ/gzffH0qdrRxCBaK7R2TrJ2
kF2FSUtsCHJWgLq0cYygf4pCz7oYtT9x5IuubH4SDAjV65JgMic2RkkehE25AQ0E
ToHBCQEIAMopCcGmuQPYBVgEcl1bEtwG87mJZpTNBLOaE7JCUK7KSI+9qE5o5Tu
jqFF39mu3Gr1kecsmtNfCNW+ja9MtTatcnsMwMhZ5uNFUG3y2+Kotp1DEWTAZcM
9TnX9IrnYlQvYLVJT5LI4qEcsAYHrLyJMrCu7c53M+RVigvimniKvW0yBZECxqYv
nq/b0BSJovmtdXn03wHLGz3dDcMn0AgGNSMpBztoRjiC5ssSCEfnCMLXVjm0a6Ji
kRL740TTNK1HK00Wk0pfi5NEiTq+XTyFg0ekeMZIIIRQZHKFFA/ThJoEvv0b9pv5
vkxifcJz0NFTecttnpVDSpWq77KYM7UAEQEAAYkBHwQYAIACQUCToHBCQIBDAAK
CRAJRkGTkq6mFXU6B/93a1Us9ESZfzwjg5kd2Rf9GtZjKEULEKKJwG7eK/6p3pr
Qlrv2S4coikPcbasdx1INbQbtDP44Hr6LNCrXB4VCeDb0A0W5H4h04y1kWXbdTN
XlpTXBPgj5kFe9lFQK9arHDGJsJaQkTDETLTmH/iI9xc51ZM5aeB4i963KixnPFy
KFHjjAynTZS1Md8JXYul+kWpSSP5dckvW4G97PPoqbz4lsDUsgjf5Lg1lhThjldZ
Jwm8yXz0fQ0RkB+wleJlfsF5itmP+sG0YipncjFXGf/0ToggRucsSLDWBV7l9wBo
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```

```
=Rt4u
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.239. Andreas Klemm <[andreas@FreeBSD.org](mailto:andreas@FreeBSD.org)>

```
pub 1024D/6C6F6CBA 2001-01-06 Andreas Klemm <andreas.klemm@eu.didata.com>
    Key fingerprint = F028 D51A 0D42 DD67 4109 19A3 777A 3E94 6C6F 6CBA
uid                               Andreas Klemm <andreas@klemm.gtn.com>
uid                               Andreas Klemm <andreas@FreeBSD.org>
uid                               Andreas Klemm <andreas@apsfilter.org>
sub 2048g/FE23F866 2001-01-06
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

```
mQGIBDpXnNsRBACosqQnFwHgBcl+H2TXLWG/uAAdcZ3d4vLC9tKIPif/Wovf0TuA
CM5Kmb10f2uAQm5S6KpSCDSudZIZw2az3ka5ESQt82kgd/1Ue8FJDDPkGY1RZRrEp
Zq7VDPfENAM8NuYXCIdVYpd860tIfongUbpqHq9dA/bgoDDHXLaBQzUMNwCgurY0
XH1FSx7vApyBfQae9ZKglRED/jbd0UeQ8E2Y8jvoHgn9KDGjgqTxNerLK2g7gRgx
o0U2do7kjKKWoUfij/x3RRpGUDzkb9xhibyoPQKuVim4NVNdoUoqjuSDnoDT+XtL
B8bYGXAAROPXU1AT1r/P5k3kSHDEXu1qfLEk9Sch7CKrVdNaZHSrknbmFPPmhdSf
zz17A/oCfA5tXthQ4Y0lmyjJXiMmiD/aX1fQovjayQDD/diNYQ/z3JUuaA01Nhw4
02LDFCk0x02T8wWIC80x9J7twKKBt9Ep1MpZw/mY7XlpTFP82ls15pNIshogjLX8
23aBC+xrRda6SqTAnqsneyxGujSkS4sNubUWaQf0UufcxZpA77QlQW5kcmVhcyBL
bGVtbsA8Yw5kcmVhc0BbrbGVtbs5ndG4uY29tPohXBBMRAgAXBQI6V5zbBQsHCgME
AxUDAgMWAagECF4AACgkQd3o+lgxvblQqrwCbBNMCKTamyfzbl+69hya4MTApy0gA
oIBKu//LaM9gC+rFYUSFRaVY5PJEtCNBbmRyZWfZIEtsZW1tIDxhbmRyZWfZQEZY
ZWVU00qub3JnPohXBBMRAgAXBQI6V51BBQsHCgMEAxUDAgMWAagECF4AACgkQd3o+
lgxvblpvuAcEJLJc2HBP42h8lVDWTZwV3qstGXUAN3yIgz/FK7+//Ax2ce0115u9
T76ptCVBbmRyZWfZIEtsZW1tIDxhbmRyZWfZQGFwc2ZpbHRLci5vcmc+iFcEEExC
```

```
ABcFAjPxnVgFCwCkAwQDFQMCAXYCAQIXgAAKCRB3ej6UbG9suq2VAJ9TDD3a6fsP
E79VBmop25fpGRsmAACgob0H43x4KJJxNSFM+s0Y2QCv+rS0K0FuZHJLYXMGs2xL
bW0gPGFuZHLJYXMuax2xlbw1AZXUuZGLkYXRhLmNvbT6IVwQTEQIAFwUC0ledhAUL
BwoDBAMVAwIDFgIBAheAAA0JEHd6PpRsb2y6vC8AoIPWrHd+jYEXzo838pxFoJ+x
v0N5AJ9kyfJz4y0UjGdwMrfLCRL1+h/0wLkCDQQ6V50XEAgA7nyqQb43D5Nl+4bd
pwt+JqTn9/MnmG1Cw0h3++JAMijW/WTGGrgppuFhtvfjs0nJ3FZMLDjdRfJ2LKa4
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RRPJdjR/kcub/yR7LZ9jI+5fKmv06Vgdx5agvL92eY14FdEhg4BiN99CKy0IdTPF
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ibfotTy/hvR06CBG1+r+Svqxj161T8vtFWEDdLMW9Efog307zjI8LXWF2p0gGwt3
7g99GwADBQf7BlcqJ8R4BrI/Z8cJbvWwBftMC/dx8F63ISjq65PKc5izq4fSlJWb
AEDyTv59Gv7qDSQ+ECnjivw+FBu//BY993kXLIe2KB0AY6jgMz7F4JsbHYofGMSE
uCFgvh9c3E0326RtkgsQKM4p0C6LFZRAedj06LZzm9k2JZK2Xv8fsLZIW9dSEtqG
ch32Uu9AfThrFnZ6cApeRnxwZe3btBXbgxK2w3jT16j+CtIbeJGwdf8NN7IZ4+4v
PzdDAVBwAR2iUz9vn/d0fGhVYLHBFekfB0jyL9gfgPLkXyMorD0hJ1nhdAI9Jm6g
7FThPfdnzfgEPegSyVuMqEoti0l0udw7AIhGBBgRAGBQI6V50XAA0JEHd6PpRsb
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7A==
=E/l3
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.240. Kai Knoblich <kai@FreeBSD.org>

```
pub  rsa4096/F4B376E08A3D37EC 2019-01-30 [SC] [expires: 2022-01-29]
      Key fingerprint = 24B1 7A6D 0CF2 4E04 7BF5 FD9A F4B3 76E0 8A3D 37EC
uid   Kai Knoblich (kai@FreeBSD.org) <kai@FreeBSD.org>
sub   rsa4096/83AB0542BC2F64BC 2019-01-30 [E] [expires: 2022-01-29]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQINBFxSfKMBEACn/lNlRufgJNQLQEBcQRqIC3LnASfoQasGFXMwrnG5Pw0C0KnX
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lPddKfCepnzPjEuw0edN4L5bLdd3rNEuIdY6KBFavRdM/LPbyAauCTqMkJIYCA
WXG4+QsJHsxorKPB0AaiDENQdjfnA17N3VvKdfZ3hIwwR0+g2KGTQCvGzDr+fAoz
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.241. Johann Koiss <jkoiss@FreeBSD.org>

```
pub 1024D/DD61C2D8 2004-06-27 Johann Koiss <J.Koiss@web.de>
    Key fingerprint = 8B70 03DB 3C45 E71D 0ED4 4825 FEB0 EBEB DD61 C2D8
uid                               Johann Koiss <jkoiss@freebsd.org>
sub 1024g/568307CB 2004-06-27
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.242. Sergei Kolobov <sergei@FreeBSD.org>

```
pub 1024D/3BA53401 2003-10-10 Sergei Kolobov <sergei@FreeBSD.org>
    Key fingerprint = A2F4 5F34 0586 CC9C 493A 347C 14EC 6E69 3BA5 3401
uid                               Sergei Kolobov <sergei@kolobov.com>
sub 2048g/F8243671 2003-10-10
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.243. Vladimir Kondratyev <[wulf@FreeBSD.org](mailto:wulf@FreeBSD.org)>

```

pub  rsa2048/836BBE2070295F75 2017-05-02 [SC] [expires: 2020-05-01]
      Key fingerprint = 9309 C9AA 8988 C07F EC89 5125 836B BE20 7029 5F75
uid          Vladimir Kondratyev <vladimir@kondratyev.su>
uid          Vladimir Kondratyev <wulf@FreeBSD.org>
sub  rsa2048/0C710B4482108464 2017-05-02 [E] [expires: 2020-05-01]

```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.244. Maxim Konovalov <maxim@FreeBSD.org>

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pub 4096R/9C5E7FA2F54977D4 2020-01-06 [expires: 2023-01-09]
Key fingerprint = 41DB 9271 3D3B F4BF F3EE 9106 9C5E 7FA2 F549 77D4
uid Maxim Konovalov <maxim@nginx.com>
uid Maxim Konovalov <maxim@FreeBSD.org>
sub 4096R/230DB271E4EDC4DD 2020-01-06 [expires: 2023-01-09]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.245. Taras Korenko <taras@FreeBSD.org>

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uid Taras Korenko <taras@freebsd.org>
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FV07XLL506+h+4LpbFJz71eLCSjggVdok06Z3X+HjUKn12vL/0X7hZCUsRD6MheJ
bfvD4XJWyp34rcWZcn43YHb9audmMT10BfQU2HRw8kF7S5IDSqxxU3CctG03zn8x
Z7PdN6IHATkLFXN6DKyVgYE2FNz1ne/OZSn/rIa+uwwWzLzP6FEtMzd2Y27hzL
JPaa0C7kX4L/h28gLURrBaPwTcTbNoRYP+/FniNbZq4AfnW8EUyPHI3Xz0I9tGve
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EsKtn7/B
=meSB
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.246. Tobias Kortkamp <tobik@FreeBSD.org>

```
pub  rsa2048/A4F09FB73CC51F61 2017-02-13 [SC] [expires: 2022-05-01]
      Key fingerprint = 957B D310 973A 78F8 1D42 EA1B A4F0 9FB7 3CC5 1F61
uid          Tobias Kortkamp <tobik@FreeBSD.org>
sub  rsa2048/CB30D0C27F086269 2017-02-13 [E] [expires: 2022-05-01]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFihli8BCAC1SL4Nn8sS53ekajI2FwU/0flIpi3K7Vju3ag80G0dG1enN58H
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Gf/gPdAts0qIyd23Ed6vrA+lJIZAszcCnCjzEXPQ30NExtPrwLAPqOpUD/Gnz3W2
```



```

7NKKZx/vMnKoAHGkly01rcX1lywPNj0/thTe/mSxAaXD94Jsjiy8bp9ffMmWljna
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cCA8dG9iaWtARnJlZUJTRC5vcmc+iQFUBBMBcGA+AhsDBQsJCAcDBRUkCQGLBRYD
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Yinu7ewbW5+aCW0ziSVmHepB9EEFUt3u3owj4jeivKW9TTWmRDc0/QaUbRYV0LhP
dqXt1sy4ggyEzLfMtbhW/Da2PruV7mvud2WhSUHk4+tTR0Wn6B/pLhFaefrbbkI0
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dr89dsy+WQG/1KX5zEJpReqlm39Behz/DXgc/E1RCnYSYML4Ji671ELJeGV7ufG
E8dBW0L9umF573vzGuMmTR9Z0xXR5v0yVg3E/Dzu27Aw5ez2XiaxsdMpoCXxtj5
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=75Rj
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.247. Joseph Koshy <jkoshy@FreeBSD.org>

```

pub 1024D/D93798B6 2001-12-21 Joseph Koshy (FreeBSD) <jkoshy@freebsd.org>
Key fingerprint = 0DE3 62F3 EF24 939F 62AA 2E3D ABB8 6ED3 D937 98B6
sub 1024g/43FD68E9 2001-12-21

```

```

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

mQGIBDwi3FcRBADkiWSSJSOX38CIPgbUnnDQ8S79eZ0zQYnYn5aerMi7w0B4SnQP
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FEKTXLXLZa55151U+tFy9erKA22VWHmqkauDFYL4Di0taUWCX1Gg8xCvB3wCg0sbC
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nLKez0/QqCCcVpH7rwV0V6NI1w6Y0Sx14CU+s83iyy00KlRypoptWKBoA+cjs/y
3Iy05K147YfWUhgkKcyw/Qwx8wCDaetG+qZCX4nY0EByezFe504uDkcxk5BrqBX8
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/U63eqkAnjKz2Lxj14N8QYtbtFThZRB5fq5cuQENBDwi3GIQBAC79Y5tcPi18bZD
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=a9D2
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.248. Wojciech A. Koszek <wkoszek@FreeBSD.org>

```

pub 1024D/C9F25145 2006-02-15
Key fingerprint = 6E56 C571 9D33 D23E 9A61 8E50 623C AD62 C9F2 5145
uid Wojciech A. Koszek <dunstan@FreeBSD.czyst.pl>

```



```
uid      Wojciech A. Koszek <wkoszek@FreeBSD.org>
sub      4096g/3BBD20A5 2006-02-15
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
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QpMdHDI0QZgvracpsolppYpj3dp5XL6mxRCCpFpWhhRP8aocR2ujvXYJY49qGi/5
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XVmU9iKH0J+03/jX0tE2Mbk2gL0pZKeBPcnkBHLSkLUHWNrETrQoV29qY2lly2gg
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BgsJCAcDAgMVAgMDfGIBAh4BAheAAAoJEGi8rWLJ8LFF8hAAoJemHjhjIrhB/WY+
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Xi3gyvS8GRLCWLAXYwJrYHn5ccCKfr0SdQG10ZWEj45zDUGFw+PSRtA0fCze5cAl
txiDbi0ER1/ryQaKutMPT3A0zDbTuG30/m9F7XDXsF/S+7kWyf00156xK0RcJSD
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zJ7o8u8XzbuX+v2pq9SISQYEQIACQUcQ/OUkQIbDAAKCRBiPK1iyfJRRZQ0AKC4
7SDQifU3JEpy7s5MsTtZQ+DuUQCeInUZzNAQW4xzNapS3xMV2mJ+6tY=
=sg8v
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.249. Alex Kozlov <ak@FreeBSD.org>

```
pub      2048R/0D1D29A0 2012-03-01 [expires: 2024-02-27]
          Key fingerprint = 7774 4FCF 6AC9 126B BD0E DBF3 5EBF 4968 0D1D 29A0
uid      Alex Kozlov <ak@freebsd.org>
sub      2048R/2DD82C65 2012-03-01 [expires: 2024-02-27]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
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XJNeMXbQ/Umk3HPD7LBk08mPab/qs0Xrke03ABEBAAG0HEF5ZXggS296bG92IDxh
a0BmcmVlYnNkLm9yZz6JAT4EEwECACgFAk9PQzACGwMFCRa0agAGCwkIBwMCBhUI
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```

```
476zCfJVIA3DDEhM5dhAILEyqe7jYh4kwWw7+Dk8yZQMEZZ1Dst3qasiD+CviQc
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YRx+p9eVNT1UwwQkpiYG8VviSZZQBVoig9h1mlzkzDj6EmE0aI78L/MjTJV4Gvcy
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.250. Sergey Kozlov <skozlov@FreeBSD.org>

```
pub  rsa4096/D557B812E14A59D2 2020-06-02 [SCA] [expires: 2023-06-02]
     Key fingerprint = 792A 4D18 D70E 334C 9652 5059 D557 B812 E14A 59D2
uid  Sergey Kozlov <skozlov@freebsd.org>
sub  rsa4096/082914436B0D42DA 2020-06-02 [E] [expires: 2023-06-02]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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PlP0mjwzIwARAQABiQI8BBgBCAAmFiEEeSpNGNcOM0yWULBZ1Ve4EuFKWdIFAL7W
SV0CGwwFCQWjmoAACGkQ1Ve4EuFKWdLk3Q/7BQ751ki1tdRR89YRwjcAgpntUIi
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PaKlWszJ8sfgWoo=
=74jv
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.251. Svatopluk Kraus <skra@FreeBSD.org>

```
pub  rsa2048/B00691EEA480A803 2015-10-26 [expires: 2018-10-25]
     Key fingerprint = 04ED 6504 A0EF 9890 8CD3 86C2 B006 91EE A480 A803
uid          Svatopluk Kraus <skra@freebsd.org>
uid          Svatopluk Kraus <onwahe@gmail.com>
sub  rsa2048/A5545C0A04691FFC 2015-10-26 [expires: 2018-10-25]
```

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=L2Zf
-----END PGP PUBLIC KEY BLOCK-----
```

**3.252. Steven Kreuzer** <[skreuzer@FreeBSD.org](mailto:skreuzer@FreeBSD.org)>

```
pub   rsa2048/F528158459D71EE7 2015-05-01 [SC] [expires: 2020-09-20]
      Key fingerprint = 1DB8 2B72 1C60 E59E 946A FF7F F528 1584 59D7 1EE7
uid   Steven Kreuzer <skreuzer@freebsd.org>
uid   Steven Kreuzer <skreuzer@exit2shell.com>
uid   Steven Kreuzer <steven@kreuzer.cx>
sub   rsa2048/540AD5219F26626F 2015-05-01 [E]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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9NL1lgL7AXGGLMnwA7jFz8bVjlI69W+6kx3SxssyDLAD+bRq4ZX1t6vIEn4n+C9+
hNV9qEgKTqD8U3KvUqrC2Ee6JGZw8lXsf7+ttseAJI89rp9YA29Fy3W28GQ6Na1gz
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-----END PGP PUBLIC KEY BLOCK-----

**3.253. Gábor Kövesdán** <[gabor@FreeBSD.org](mailto:gabor@FreeBSD.org)>

```
pub   1024D/2373A6B1 2006-12-05
      Key fingerprint = A42A 10D6 834B BEC0 26F0 29B1 902D D04F 2373 A6B1
uid   Gabor Kovesdan <gabor@FreeBSD.org>
sub   2048g/92B0A104 2006-12-05
```



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-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
mQGiBEV1zhcRBAC4T9pbx3J+/0qY5k3IVGMGpI31SZHwt00ijDBA3V0mIOUpty/E  
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TxVBZJ4xERWsk3nJH4B/GKkD/20ddbTHSTBUbpuLmo0UNBcrnIEYPRCDvF/e07yz  
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GT8IzhLNfAZ7wiKoA0yRhGb77C3IPzjSbc0I9A3vn9DkStWfdtjTIOxh7FxF9+H5  
c5z9A/9++L0F8L9VPHUNi4h/L/jE6CWSZgeTUIMkSwALrochNi9xIr+kS5pPxUPZ  
MHVdG0+gK3wNLD6KGpBnHB65wWbb85fukY9y4YgEv0+TjPwkbwLAbKtt7cF7RA1  
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AgQVAggDBBYCAwEChgECF4AACgkQkC3QTyNzprFG0ACfYLDfWSz4Ke3HN+suyrD4  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.254. Ana Kukec <[anchie@FreeBSD.org](mailto:anchie@FreeBSD.org)>

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pub 2048R/510D23BB 2010-04-18  
Key fingerprint = 0A9B 0ABB 0E1C B5A4 3408 398F 778A C3B4 510D 23BB  
uid Ana Kukec <anchie@FreeBSD.org>  
sub 2048R/699E4DDA 2010-04-18
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yL7T0EgJibW2V19o1SPGrF7QFfC3nE7S407UmRc=
=+R9q
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.255. Roman Kurakin <rik@FreeBSD.org>

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pub 1024D/C8550F4C 2005-12-16 [expires: 2008-12-15]
    Key fingerprint = 25BB 789A 6E07 E654 8E59 0FA9 42B1 937C C855 0F4C
uid                               Roman Kurakin <rik@FreeBSD.org>
sub 2048g/D15F2AB6 2005-12-16 [expires: 2008-12-15]

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### 3.256. Hideyuki KURASHINA <rushani@FreeBSD.org>

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pub 1024D/439ADC57 2002-03-22 Hideyuki KURASHINA <rushani@bl.mmtr.or.jp>
    Key fingerprint = A052 6F98 6146 6FE3 91E2 DA6B F2FA 2088 439A DC57
uid                               Hideyuki KURASHINA <rushani@FreeBSD.org>
uid                               Hideyuki KURASHINA <rushani@jp.FreeBSD.org>
sub 1024g/64764D16 2002-03-22

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Version: GnuPG v1.2.1 (FreeBSD)
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### 3.257. Jun Kuriyama <kuriyama@FreeBSD.org>

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pub 1024D/EE3C4DBBFE3B59CD 1998-11-23
Key fingerprint = 5219 55CE AC84 C296 3A3B B076 EE3C 4DBB FE3B 59CD
uid Jun Kuriyama <kuriyama@s2factory.co.jp>
uid Jun Kuriyama <kuriyama@s2factory.co.jp>
uid Jun Kuriyama <kuriyama@imgsrc.co.jp>
uid Jun Kuriyama <kuriyama@FreeBSD.org>
uid Jun Kuriyama <kuriyama@jp.FreeBSD.org>
sub 2048g/6D4BA0651CF20D27 1998-11-23

pub 4096R/524A24526282600F 2017-03-27
Key fingerprint = 2946 27AD 0A49 697F 622D D59C 524A 2452 6282 600F
uid Jun Kuriyama <kuriyama@imgsrc.co.jp>
uid Jun Kuriyama <kuriyama@FreeBSD.org>
uid Jun Kuriyama <kuriyama@s2factory.co.jp>
sub 4096R/0E6143E9FE522B48 2017-03-27

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### 3.258. Gleb Kurtsou <gleb@FreeBSD.org>

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pub  2048R/C2A8382F0952092D 2013-11-02 [expires: 2016-11-01]
      Key fingerprint = D1F6 F20B BB68 06AD D051 4BD5 C2A8 382F 0952 092D
uid  Gleb Kurtsou <gleb@FreeBSD.org>
uid  Gleb Kurtsou <gleb.kurtsou@gmail.com>
sub  2048R/E628ECBAC4622293 2013-11-02 [expires: 2016-11-01]
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### 3.259. René Ladan <rene@FreeBSD.org>

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pub   rsa4096/ADBBF8610A3789B7 2012-11-18 [SC] [expires: 2022-01-14]
      Key fingerprint = 101A 716B 162B 00E5 5BED EA05 ADBB F861 0A37 89B7
uid   René Ladan <rene@freebsd.org>
sub   rsa4096/CB77BE03B67184C6 2012-11-18 [E] [expires: 2022-01-14]
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### 3.260. Julien Laffaye <jlaffaye@FreeBSD.org>

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pub 2048R/6AEBE420 2011-06-06
Key fingerprint = 031A B449 B383 5C3B B618 E2F4 BAD0 0F0E 6AEB E420
uid Julien Laffaye <jlaffaye@FreeBSD.org>
sub 2048R/538B8D5B 2011-06-06
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### 3.261. Clement Laforet <clement@FreeBSD.org>

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pub 1024D/0723BA1D 2003-12-13 Clement Laforet (FreeBSD committer address)
<clement@FreeBSD.org>
    Key fingerprint = 3638 4B14 8463 A67B DC7E 641C B118 5F8F 0723 BA1D
uid                               Clement Laforet <sheepkiller@cultdeadsheep.org>
uid                               Clement Laforet <clement.laforet@cotds.org>
sub 2048g/23D57658 2003-12-13
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### 3.262. Max Laier <mlaier@FreeBSD.org>

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pub 1024D/3EB6046D 2004-02-09
    Key fingerprint = 917E 7F25 E90F 77A4 F746 2E8D 5F2C 84A1 3EB6 046D
uid          Max Laier <max@love2party.net>
uid          Max Laier <max.laier@ira.uka.de>
uid          Max Laier <mlaier@freebsd.org>
uid          Max Laier <max.laier@tm.uka.de>
sub 4096g/EDD08B9B 2005-06-28
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### 3.263. Dan Langille

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pub 2048R/214D3D5D4DA75ED3 2017-01-18 [expires: 2020-01-19]
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Key fingerprint = CEA7 09E2 87B2 7FCB 204C 8101 214D 3D5D 4DA7 5ED3
uid          Dan Langille <dan@langille.org>
uid          Dan Langille <dvl@FreeBSD.org>
sub 2048R/DDE0A907EE4AEE61 2017-01-18 [expires: 2020-01-19]

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### 3.264. Erwin Lansing <erwin@FreeBSD.org>

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pub 2048R/0x517BE614A5C1EEC7 2013-09-24 [expires: 2018-09-23]
Key fingerprint = 6AFC 44AA 53E9 82A4 4BC7 1DB7 517B E614 A5C1 EEC7
uid          [ultimate] Erwin Lansing <erwin@FreeBSD.org>
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sub 2048R/0xD7698209D2B4D6C3 2013-09-24 [expires: 2018-09-23]

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### 3.265. Ganael Laplanche <martymac@FreeBSD.org>

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### 3.266. Greg Larkin <glarkin@FreeBSD.org>

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J3RNkyQD1wgLlnGFzFMf/IDaiEYEGBECAAYFAj+Fk7QACgkQ0sRouByUApC+NgCf
wL3f9A7RglYuxkgxVKnWlXgWtigAmgKgQFhgdX1L2LIHuI27R3dYoD10
=VNnr
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.267. Frank J. Laszlo <laszlof@FreeBSD.org>

```
pub 4096R/012360EC 2006-11-06 [expires: 2011-11-05]
Key fingerprint = 3D93 21DB B5CC 1339 E4B4 1BC4 AD50 C17C 0123 60EC
uid Frank J. Laszlo <laszlof@FreeBSD.org>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.268. Dru Lavigne <dru@FreeBSD.org>

```
pub 1024D/C6AA2E94 2013-01-22
   Key fingerprint = 6CC4 2180 F27C 29B6 5A9C EC0D A454 DC05 C6AA 2E94
uid                               Dru Lavigne <dru@freebsd.org>
sub 1024g/7FAC82EA 2013-01-22
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGIBFD+vdwRBAD2rMn1ZfqBN9PCvrGHaatVwf0Rzhr6gSFFjxk5Z6HhnGsQS08r
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.269. Sam Lawrence <[lawrance@FreeBSD.org](mailto:lawrance@FreeBSD.org)>

```
pub 1024D/32708C59 2003-08-14
   Key fingerprint = 1056 2A02 5247 64D4 538D 6975 8851 7134 3270 8C59
uid                               Sam Lawrence <lawrance@FreeBSD.org>
uid                               Sam Lawrence <boris@brooknet.com.au>
sub 2048g/0F9CCF92 2003-08-14
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.270. Nate Lawson <njl@FreeBSD.org>

```

pub 1024D/60E5AC11 2007-02-07
     Key fingerprint = 18E2 7E5A FD6A 199B B08B E9FB 73C8 DB67 60E5 AC11
uid                               Nate Lawson <nate@root.org>
sub 2048g/CDBC7E1B 2007-02-07

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=y01b
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.271. Jeremie Le Hen <jlh@FreeBSD.org>

```

pub 2048D/8BF6CF92 2012-04-18
     Key fingerprint = 66C9 B361 16CA BFF6 5C07 DA0A 28DE 3702 8BF6 CF92
uid                               Jeremie Le Hen <jeremie@le-hen.org>
uid                               Jeremie Le Hen <jeremie@lehen.org>
uid                               Jeremie Le Hen <ttz@chchile.org>
uid                               Jeremie Le Hen <jlh@FreeBSD.org>
sub 2048g/045479A3 2012-04-18

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.272. Yen-Ming Lee <leeym@FreeBSD.org>**

```
pub 1024D/93FA8BD6 2007-05-21
    Key fingerprint = DEC4 6E7F 69C0 4AC3 21ED EE65 6C0E 9257 93FA 8BD6
uid          Yen-Ming Lee <leeym@leeym.com>
sub 2048g/899A3931 2007-05-21
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=Xi0T
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-----END PGP PUBLIC KEY BLOCK-----
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**3.273. Sam Leffler <sam@FreeBSD.org>**

```
pub 1024D/BD147743 2005-03-28
    Key fingerprint = F618 F2FC 176B D201 D91C 67C6 2E33 A957 BD14 7743
uid          Samuel J. Leffler <sam@freebsd.org>
sub 2048g/8BA91D05 2005-03-28
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.274. Jean-Yves Lefort <jylefort@FreeBSD.org>

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pub 1024D/A3B8006A 2002-09-07
Key fingerprint = CC99 D1B0 8E44 293D 32F7 D92E CB30 FB51 A3B8 006A
uid Jean-Yves Lefort <jylefort@FreeBSD.org>
uid Jean-Yves Lefort <jylefort@brutele.be>
sub 4096g/C9271AFC 2002-09-07
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.275. Greg Lehey <grog@FreeBSD.org>

```
pub 1024D/22E6F290507A4223 2000-12-10
Key fingerprint = 9A1B 8202 BCCE B846 F92F 09AC 22E6 F290 507A 4223
uid Greg Lehey <grog@lemis.com>
sub 2048g/61D280F939E8DAFD 2000-12-10
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### 3.276. Oliver Lehmann <oliver@FreeBSD.org>

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pub  rsa4096/5B8573DDBB4C34D3 2016-08-17 [SC] [expires: 2018-08-17]
      Key fingerprint = 049B 4EB9 EB1E 403C 8195 DE6F 5B85 73DD BB4C 34D3
uid  Oliver Lehmann <lehmann@ans-netz.de>
sub  rsa4096/8971ACA5B42D6F51 2016-08-17 [E] [expires: 2018-08-17]
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### 3.277. Alexander Leidinger <netchild@FreeBSD.org>

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pub 4096R/8F31830F9F2772BF 2016-08-16 [expires: 2021-10-06]
Key fingerprint = 0340 55A3 1F55 0AD0 32E2 F6D7 8F31 830F 9F27 72BF
uid Alexander Leidinger <Alexander@Leidinger.net>
uid Alexander Leidinger <netchild@FreeBSD.org>
uid [jpeg image of size 9696]
sub 4096R/F37CBE8CE11D33C3 2018-10-07 [expires: 2021-10-06]
Key fingerprint = C9DB D512 2B25 5725 20DC 6C71 F37C BE8C E11D 33C3
sub 4096R/9A4BD0687E689F31 2018-10-07 [expires: 2021-10-06]
Key fingerprint = BF8D 6E64 7C76 163D F1C2 4DDD 9A4B D068 7E68 9F31
sub 4096R/120DB09B03F8D886 2018-10-07 [expires: 2021-10-06]
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### 3.278. Breno Leitao <leitao@FreeBSD.org>

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### 3.279. **Andrey V. Elsukov** <ae@FreeBSD.org>

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```

pub 1024D/96C5221F 2004-08-18 Dejan Lesjak <lesi@FreeBSD.org>
     Key fingerprint = 2C5C 02EA 1060 1D6D 9982 38C0 1DA7 DBC4 96C5 221F
uid                               Dejan Lesjak <dejan.lesjak@ijs.si>
sub 1024g/E0A69278 2004-08-18

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGibEEj2LwRBACdxv/Z/TqPsaxTmKrXZS0PnQca8L9UksW+71kI7YouAkbnTyB
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/AM1vSL/weLK42YHxyqSrudt/owxH4iDZFz5I/HI1DRwZMFhft3ja+pdYwCggAu5
GwYrQLQJHJCcFbXnYUGJX/sEAJXyzea8rzP7dTUsa0YcLitIpy/eDI3vkB0aw7Uh
JSicWASPW2erv99f1p2gkVQ0b0l rpMwPrysotfN6wLLYR0fowCWHm7hnASgohFpq
VwB7aj0HDEHne7EI r6geSpn08Y4QUtbFVWo9cq7HGzrB8NhwLXQ5g9RgB+H9SS7
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sadXAJ4yo003F9iLZw6avaThCBLtR/MqWbQfRGVqYW4gTGVzamFrIDxsZXNpQEZy
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zZ6iVnCAbAsD/3gIwDyCWMA/eX/YGPw3xN3hkENgruwtWKK6TW6kYv94k4iD/b5
bRsmIvGd31AM5/Qv/IQd7epXb2ovDaKvMl6+jAJb1NMCsZ0kCnoqQoKB0ed33d0
JOVWuA34WCMZ2zHLFEtWqkHZqmyNQCxRLGLk0Do4WwYNU7KeGHvAJDIeKEGBEC
AAkFAKEj2MICGwwACgkQHaFbxJbFiH9+8ACeNr7M+KLI/ewu6Nig8877cjrEP3QA
n1Kfo14Pijwx26kysheLFV1jutrq
=Ifen
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.281. Achim Leubner <achim@FreeBSD.org>

```

pub 2048R/2E15B3C1 2013-01-22
     Key fingerprint = 2A48 0317 D477 2A07 2AD9 CF1C 7C1D 832E 2E15 B3C1
uid                               Achim Leubner <achim@freebsd.org>
sub 2048R/E275EF01 2013-01-22

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQENBFD+q6cBCAD8XsjHzsylvjaRIF8Qz8NeXaiZWq0KZ8NHRJ4ahZLN5kvhk2D3+

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QKsWbslP5TlIwh0Zy5mabAEKzGzVwY5laM9LXGbzrG9ALwEzSRgZCUWTS/Efc9jE
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.282. Chuck Lever <cel@FreeBSD.org>

```
pub 1024D/8FFC2B87 2006-02-13
Key fingerprint = 6872 923F 5012 F88B 394C 2F69 37B4 8171 8FFC 2B87
uid Charles E. Lever <cel@freebsd.org>
sub 2048g/9BCE0459 2006-02-13
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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H6d78/rWY2Lb2wo6cS+9Du0D/01c09zPg+Mh2T43XdLMjnVp17jR99SuNajqJbBJ
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l0ckg6Q6E07qGvU/j0Y02/tmHdzQy6UJzHB7JVsFz9DGH5xw23AYmbD4WF8jXtyL
Ey2eA/91IZpxEK7guIBt0FE0qMSch5V00lz0QkV+KtLswzEVP0Ww/93wGpd/uilx
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.283. Don "Truck" Lewis <[truckman@FreeBSD.org](mailto:truckman@FreeBSD.org)>

```
pub 2048R/B082B167EC3362D8 2014-02-20 [expires: 2017-02-19]
    Key fingerprint = 7016 6C9F 3B88 E5E9 E7C7 E056 B082 B167 EC33 62D8
uid                               Don "Truck" Lewis <truckman@FreeBSD.org>
sub 2048R/76F1C2A82FEBF95E 2014-02-20 [expires: 2017-02-19]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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c0j8NqQ/82K+S82oezo0RrGhy0H5n0ofHD/rUnwpjHmo5JVk++bNgz9AfziEm1Hc
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pmM=
=k9Zb
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.284. Greg Lewis <[glewis@FreeBSD.org](mailto:glewis@FreeBSD.org)>

```
pub 1024D/1BB6D9E0 2002-03-05 Greg Lewis (FreeBSD) <glewis@FreeBSD.org>
    Key fingerprint = 2410 DA6D 5A3C D801 65FE C8DB DEEA 9923 1BB6 D9E0
uid                               Greg Lewis <glewis@eyesbeyond.com>
sub 2048g/45E67D60 2002-03-05
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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9hZ/kRb1rLdSLsB4VMQ3zED/0/SVm+6XV+20bXn9FKQpCC6sMSq+PCoR9NzAVRI
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Mo27A/46YEAMuhSQW0xgSZ/Z5g0ybgpswVePrxvD4sX2/AVfKCl0YpPiNJe+S7YT
JmfIPkpP2P7v+87BaN/uWgaFmxlhpU0Iuat44w52EwwGB+K24cGgq52XncZsYTYH
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cyA8Z2xld2LzQGv5ZXNiZxlvbmQuY29tPohXBBMRAgAXBQI8hTXnBQsHCgMEaxUD
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/Vw8amjEN34PGuqBPQpMnFrwtClHcmVnIExld2LzIChGcmVlQlNEKSA8Z2xld2Lz
QEZYzWVCU0Qub3JnPoheBBMRAgAeBQJA/XNpAhsDBgsJCAcDAGMVAgMDFgIBAh4B
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```
OI2x9+VLYaTSAvm4zbnkCDQ08hTajEAgAmuQukPfaefkzE7DTIgSDIc5vRmUHDs01
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=bx2+
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.285. Qing Li <qingli@FreeBSD.org>

```
pub  rsa2048/F67236810BB1CB98 2018-12-27 [SC] [expires: 2021-12-27]
     Key fingerprint = 46F8 339A 8C5C 3B13 7314 8786 F672 3681 0BB1 CB98
uid  Qing Li <qingli@freebsd.org>
sub  rsa2048/768E9EB15482337B 2018-12-27 [E] [expires: 2021-12-27]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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pVBSg6gqVodnlFn5bUqQrJ0AbyZ1lP//YbawXzKwWleHNV/uzWbSR41r0QNBfTK0
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aUTCNUhEzekesi+Sq1pWdxAtFTZeFPVELAndJABEBAAG0HFFpbmcgTGkgPHFpbmDs
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riUPYXC0nJmDVzjI30rZ8Qm/8PfC4suVlutF/LNFavybxmKmiV+hQsoRgn4dPdjT
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### 3.286. Xin Li <delphij@FreeBSD.org>

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sub  rsa4096/7D0C88F036C2299B 2013-10-03 [E] [expires: 2018-10-02]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.287. Tai-hwa Liang <avatar@FreeBSD.org>

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pub 1024R/F4013AB1 1998-05-13 Tai-hwa Liang <avatar@FreeBSD.org>
Key fingerprint = 5B 05 1D 37 7F 35 31 4E 5D 38 BD 07 10 32 B9 D0
uid Tai-hwa Liang <avatar@mmmlab.cse.yzu.edu.tw>

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.288. Ying-Chieh Liao <ijliao@FreeBSD.org>

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pub 1024D/11C02382 2001-01-09 Ying-Chieh Liao <ijliao@CCCA.NCTU.edu.tw>
Key fingerprint = 4E98 55CC 2866 7A90 EFD7 9DA5 ACC6 0165 11C0 2382
uid Ying-Chieh Liao <ijliao@FreeBSD.org>
uid Ying-Chieh Liao <ijliao@csie.nctu.edu.tw>
uid Ying-Chieh Liao <ijliao@dragon2.net>
uid Ying-Chieh Liao <ijliao@tw.FreeBSD.org>
sub 4096g/C1E16E89 2001-01-09

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.289. Ryan Libby <rLibby@FreeBSD.org>

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pub 2048R/A20FFBFBDF35FD57 2016-07-11 [expires: 2020-06-12]
    Key fingerprint = 9849 809F 64AD 4250 32BF 7975 A20F FBBF DF35 FD57
uid                                     Ryan Libby <rlibby@gmail.com>
uid                                     Ryan Libby <rlibby@FreeBSD.org>
sub 2048R/7D8F4693B660FE97 2016-07-11
    Key fingerprint = E70A 9C90 A595 62F9 2AC8 E503 7D8F 4693 B660 FE97
sub 2048R/2354FB7E60023CBC 2017-06-12 [expires: 2020-06-11]
    Key fingerprint = 77CD 6F72 4EA8 89DC 3ADE 2FD1 2354 FB7E 6002 3CBC
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.290. Kurt Lidl <lidl@FreeBSD.org>

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pub  rsa2048/9808DFE7C2CA3ABA 2015-10-22 [expires: 2018-10-21]
      Key fingerprint = 4A2D 4BC0 9C8D 6D58 4B96 96E9 9808 DFE7 C2CA 3ABA
uid   Kurt Lidl <lidl@FreeBSD.org>
uid   Kurt Lidl <lidl@pix.net>
sub   rsa2048/A53F68D4F0D10479 2015-10-22 [expires: 2018-10-21]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.291. Nikolai Lifanov <Lifanov@FreeBSD.org>

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pub  rsa4096/67AB2FE7A79C4745 2016-12-13 [SC] [expires: 2019-12-13]
     Key fingerprint = E684 FA4D CB9A 5AF1 B982 D8F3 67AB 2FE7 A79C 4745
uid  Nikolai Lifanov <lifanov@FreeBSD.org>
sub  rsa4096/E4BE9FB8F164980E 2016-12-13 [E] [expires: 2019-12-13]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.292. Ulf Lilleengen <lulf@FreeBSD.org>

```

pub 1024D/ADE1B837 2009-08-19 [expires: 2014-08-18]
    Key fingerprint = 3822 B4E6 6D1C 6F71 4AA8 7A27 ADDF C400 ADE1 B837
uid          Ulf Lilleengen <lulf.lilleengen@gmail.com>
uid          Ulf Lilleengen <lulf@pvv.ntnu.no>
uid          Ulf Lilleengen <lulf@stud.ntnu.no>
uid          Ulf Lilleengen <lulf@FreeBSD.org>
uid          Ulf Lilleengen <lulf@idi.ntnu.no>
sub 2048g/B5409122 2009-08-19 [expires: 2014-08-18]

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=sCn9
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.293. Clive Lin <clive@FreeBSD.org>



OpenPGP Keys

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pub 1024D/A008C03E 2001-07-30 Clive Lin <clive@tongi.org>
    Key fingerprint = FA3F 20B6 A77A 6CEC 1856 09B0 7455 2805 A008 C03E
uid                               Clive Lin <clive@CirX.ORG>
uid                               Clive Lin <clive@FreeBSD.org>
sub 1024g/03C2DC87 2001-07-30 [expires: 2005-08-25]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: PGP Key Server 0.9.6
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**3.294. Po-Chien Lin** <[pclin@FreeBSD.org](mailto:pclin@FreeBSD.org)>

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pub 4096R/865C427F 2013-02-05
Key fingerprint = CF3B AB13 4C94 6388 B047 B599 8B28 1692 865C 427F
uid Po-Chien Lin <pclin@FreeBSD.org>
uid Po-Chien Lin <linpc@cs.nctu.edu.tw>
sub 4096R/F31280BA 2013-02-05
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### 3.295. Yi-Jheng Lin <yzlin@FreeBSD.org>

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pub 2048R/A34C6A8A 2009-07-20
    Key fingerprint = 7E3A E981 BB7C 5D73 9534 ED39 0222 04D3 A34C 6A8A
uid                               Yi-Jheng Lin (FreeBSD) <yzlin@FreeBSD.org>
sub 2048R/B4D776FE 2009-07-20

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### 3.296. Mark Linimon <[linimon@FreeBSD.org](mailto:linimon@FreeBSD.org)>

```
pub 1024D/84C83473 2003-10-09
    Key fingerprint = 8D43 1B55 D127 0BFC 842E 1C96 803C 5A34 84C8 3473
uid                               Mark Linimon <linimon@FreeBSD.org>
uid                               Mark Linimon <linimon@lonesome.com>
sub 1024g/24BFF840 2003-10-09
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.297. Tilman Keskinöz <[arved@FreeBSD.org](mailto:arved@FreeBSD.org)>

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pub 4096R/6CBE6EB6774D2A3 2013-09-24 [expires: 2022-02-25]
    Key fingerprint = 4E07 0A2C F66B B844 7E9B A25B 6CBE B6EB 6774 D2A3
uid                               Tilman Keskinöz <arved@FreeBSD.org>
uid                               Tilman Keskinöz <arved@arved.at>
sub 4096R/E651E6CC8CD560FB 2013-09-24 [expires: 2022-02-25]
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-----END PGP PUBLIC KEY BLOCK-----



**3.298. Dryice Liu <[dryice@FreeBSD.org](mailto:dryice@FreeBSD.org)>**

```
pub 4096R/0C552FA8 2015-04-02 [expires: 2019-04-02]
    Key fingerprint = 097D F705 D0F6 7648 8FC9 DCFD 5F95 2820 0C55
2FA8
uid          Dryice Liu <dryice@freebsd.org>
uid          Dryice Liu <dryiceliu@gmail.com>
uid          Dryice Liu <dryice@dryice.name>
uid          [jpeg image of size 4507]
sub 4096R/A0446359 2015-04-02 [expires: 2019-04-02]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: Dryice's primary GPG key
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**3.299. Tong Liu <nemoliu@FreeBSD.org>**

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**3.300. Kevin Lo <kevlo@FreeBSD.org>**

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uid                               Kevin Lo <kevlo@FreeBSD.org>
sub rsa2048/A48BDAE5E9EA493B 2016-08-17 [E] [&#21040;&#26399;: 2031-08-14]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.301. Zachary Loafman <[zml@FreeBSD.org](mailto:zml@FreeBSD.org)>

```
pub 1024D/4D65492D 2009-05-26
    Key fingerprint = E513 4AE9 5D6D 8BF9 1CD3 4389 4860 D79B 4D65 492D
uid          Zachary Loafman <zml@FreeBSD.org>
sub 2048g/1AD659F0 2009-05-26
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.302. Juergen Lock <[nox@FreeBSD.org](mailto:nox@FreeBSD.org)>



```
pub 1024D/1B6BFBFD 2006-12-22
    Key fingerprint = 33A7 7FAE 51AF 00BC F0D3 ECCE FAFD 34C1 1B6B FBFD
uid                               Juergen Lock <nox@FreeBSD.org>
sub 2048g/251229D1 2006-12-22
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=E5fg
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-----END PGP PUBLIC KEY BLOCK-----

### 3.303. Remko Lodder <[remko@FreeBSD.org](mailto:remko@FreeBSD.org)>

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pub rsa4096/71358ED63F774079 2012-11-11 [SCEA] [expires: 2020-12-30]
    Key fingerprint = 7EE4 C4AF DCA3 E0B4 479B A344 7135 8ED6 3F77 4079
uid                               Remko Lodder <remko@elvandar.org>
uid                               Remko Lodder <remko@FreeBSD.org>
uid                               Remko Lodder <remko.lodder@snow.nl>
sub rsa4096/A8C3DBB259F38CB0 2012-11-11 [SEA] [expires: 2020-08-18]
sub rsa4096/B9C36C7DF15E576C 2016-12-29 [E] [expires: 2020-12-29]
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### 3.304. Alexander Logvinov <avl@FreeBSD.org>

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uid Alexander Logvinov <alexander@logvinov.com>
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uid Alexander Logvinov <ports@logvinov.com>
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### 3.305. Isabell Long <issyl0@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.306. Scott Long <[scottl@FreeBSD.org](mailto:scottl@FreeBSD.org)>

```
pub 1024D/017C5EBF 2003-01-18 Scott A. Long (This is my official FreeBSD key)
<scottl@freebsd.org>
Key fingerprint = 34EA BD06 44F7 F8C3 22BC B52C 1D3A F6D1 017C 5EBF
sub 1024g/F61C8F91 2003-01-18
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.307. Jonathan T. Looney <jttl@FreeBSD.org>

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pub   rsa4096 2018-07-25 [SC] [expires: 2021-08-01]  
      0C68 9394 8808 F05B 5C04 22FF 713B 7DE9 198E F455  
uid   [ultimate] Jonathan T. Looney <jonlooney@gmail.com>  
uid   [ultimate] Jonathan T. Looney <jttl@freebsd.org>  
uid   [ultimate] Jonathan T. Looney <jttl@netflix.com>  
sub   rsa4096 2018-07-25 [E] [expires: 2021-08-01]
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-----BEGIN PGP PUBLIC KEY BLOCK-----  
Comment: Run FreeBSD! - http://www.freebsd.org
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.308. Leandro Lupori <luporl@FreeBSD.org>

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pub  rsa2048/E216525581588363 2019-01-08 [SC] [expires: 2022-01-07]
     Key fingerprint = C4B5 2A9B 17C7 F7BF BD14 2CBD E216 5255 8158 8363
uid  Leandro Lupori <luporl@freebsd.org>
sub  rsa2048/9FDFD0227E484C12 2019-01-08 [E] [expires: 2022-01-07]

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.309. Juraj Lutter <otis@FreeBSD.org>

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pub 1024D/22CDCBAE96699338 2002-08-06 [expires: 2022-12-14]  
Key fingerprint = B56D 5B7A B03F 08F3 F742 C96F 22CD CBAE 9669 9338  
uid Juraj Lutter <juraj@lutter.sk>  
uid Juraj Lutter <otis@wilbury.sk>  
uid Juraj Lutter <otis@NetBSD.org>  
uid Juraj Lutter <jlutter@resulta.sk>  
uid Juraj Lutter <otis@FreeBSD.org>  
sub 2048D/2DC88285B3321954 2012-12-16 [expires: 2022-12-14]  
sub 2048g/08E243D95698A684 2012-12-16 [expires: 2022-12-14]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.310. Wojciech Macek <[wma@FreeBSD.org](mailto:wma@FreeBSD.org)>

```

pub  rsa2048/BA2FD88965AA1A7F 2016-01-20 [expires: 2019-01-19]
      Key fingerprint = 09F2 3360 D512 C987 B4D8 1AE8 BA2F D889 65AA 1A7F
uid  Wojciech Macek <wma@FreeBSD.org>
sub  rsa2048/F074ACB7E5B3B33A 2016-01-20 [expires: 2019-01-19]

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### 3.311. Rick Macklem <[rmacklem@FreeBSD.org](mailto:rmacklem@FreeBSD.org)>

```
pub 1024D/7FB9C5F1 2009-04-05
Key fingerprint = B9EA 767A F6F3 3786 E0C7 434A 05C6 70D6 7FB9 C5F1
uid Rick Macklem <rmacklem@freebsd.org>
sub 1024g/D0B20E8A 2009-04-05
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### 3.312. Vincenzo Maffione <[vmaffione@FreeBSD.org](mailto:vmaffione@FreeBSD.org)>

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pub rsa2048/D4F93098AA1FA8AA 2020-03-10 [SC] [expires: 2023-03-10]
Key fingerprint = 7E99 E2AD 9A8B 1C99 A98D AF2E D4F9 3098 AA1F A8AA
uid Vincenzo Maffione <vmaffione@freebsd.org>
sub rsa2048/B51B3033534F9949 2020-03-10 [E] [expires: 2023-03-10]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.313. Bruce A. Mah <bmah@FreeBSD.org>

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pub  rsa2048/4984910A8CAEE8A 2014-01-17 [SC] [expires: 2023-01-02]
      Key fingerprint = F85A 3820 4369 F71A 34D4 4E83 4984 910A 8CAA EE8A
uid          Bruce A. Mah <bmah@kitchenlab.org>
uid          Bruce A. Mah <bmah@acm.org>
uid          Bruce A. Mah <bmah@ieee.org>
uid          Bruce A. Mah <bmah@freebsd.org>
uid          Bruce A. Mah <bmah@es.net>
sub  rsa2048/3FE58165F851A044 2014-01-17 [E] [expires: 2023-01-02]
      Key fingerprint = 32E2 00DA A25D A8B2 87F1 7CC3 3FE5 8165 F851 A044
sub  rsa2048/3FE58165F851A044 2014-01-17 [E] [expires: 2023-01-02]
      Key fingerprint = 32E2 00DA A25D A8B2 87F1 7CC3 3FE5 8165 F851 A044
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.314. Ruslan Makhmatkhanov <rm@FreeBSD.org>

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pub 2048R/F60D756F 2011-11-10
Key fingerprint = 9D18 8A88 304C B78B 8003 0379 4574 0BAF F60D 756F
uid Ruslan Makhmatkhanov <rm@FreeBSD.org>
sub 2048R/B658C269 2011-11-10
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.315. Mike Makonnen <mtm@FreeBSD.org>

```
pub 1024D/7CD41F55 2004-02-06 Michael Telahun Makonnen <mtm@FreeBSD.Org>
    Key fingerprint = AC7B 5672 2D11 F4D0 EBF8 5279 5359 2B82 7CD4 1F55
uid                               Michael Telahun Makonnen <mtm@tmsa-inc.com>
uid                               Mike Makonnen <mtm@identd.net>
uid                               Michael Telahun Makonnen <mtm@acs-et.com>
sub 2048g/E7DC936B 2004-02-06
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.316. David Malone <dwmalone@FreeBSD.org>

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pub 4096R/214C82C2361FD728 2013-08-07
Key fingerprint = 7759 C5C6 F872 7269 4A8A FEFF 214C 82C2 361F D728
uid David Malone <dwmalone@maths.tcd.ie>
uid David Malone <David.Malone@nuim.ie>
uid David Malone <dwmalone@FreeBSD.org>
uid David Malone <dwmalone@dwmalone.net>
uid [jpeg image of size 9564]
sub 4096R/770F33478DF59E7B 2013-08-07
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### 3.317. Dmitry Marakasov <amdmi3@FreeBSD.org>

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pub 1024D/F9D2F77D 2008-06-15 [expires: 2010-06-15]
Key fingerprint = 55B5 0596 FF1E 8D84 5F56 9510 D35A 80DD F9D2 F77D
uid Dmitry Marakasov <amdmi3@amdmi3.ru>
uid Dmitry Marakasov <amdmi3@FreeBSD.org>
sub 2048g/2042CDD8 2008-06-15
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### 3.318. John Marino <marino@FreeBSD.org>

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pub 2048R/A0AE6229 2011-07-19
Key fingerprint = EE48 4F90 C861 3A5F E39E AB9E 33CF 4190 A0AE 6229
uid John Marino (DragonFly) <draco@marino.st>
uid John R. Marino <john.secure@marino.st>
uid John Marino (NetBSD) <marino@netbsd.org>
sub 2048R/71D9FB68 2011-07-19
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### 3.319. Koop Mast <kwm@FreeBSD.org>

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pub 4096R/BF4E2D5B3B9D8847 2014-01-31 [expires: 2016-01-31]
     Key fingerprint = F986 EDE2 B3EC 4098 7820 E1D7 BF4E 2D5B 3B9D 8847
uid                               Koop Mast <kwm@FreeBSD.org>
uid                               Koop Mast <kwm@rainbow-runner.nl>
sub 4096R/19C3701D1BE7F671 2014-01-31 [expires: 2016-01-31]

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### 3.320. Ed Maste <emaste@FreeBSD.org>

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pub  rsa4096/C6F5A1102002FBDF 2017-12-04 [SC] [expires: 2020-12-03]
     Key fingerprint = DA51 3FC9 889B 37BA 4387 BD9F C6F5 A110 2002 FBDF
uid  Ed Maste <emaste@freebsd.org>
sub  rsa4096/BE917E71357DB691 2017-12-04 [E] [expires: 2020-12-03]
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### 3.321. Cherry G. Mathew <[cherry@FreeBSD.org](mailto:cherry@FreeBSD.org)>

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pub      2048R/2D066FE1 2007-05-22
         Key fingerprint = FBF1 89FF 81BB E1C7 6C1B 378D 3438 20E9 2D06 6FE1
uid          Cherry G. Mathew (FreeBSD email) <cherry@FreeBSD.org>
uid          "Cherry G. Mathew" (NetBSD email) <cherry@NetBSD.org>
sub      2048R/7B2C4166 2007-05-22

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### 3.322. Makoto Matsushita <matusita@FreeBSD.org>

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pub 1024D/20544576 1999-04-18
Key fingerprint = 71B6 13BF B262 2DD8 2B7C 6CD0 EB2D 4147 2054 4576
uid Makoto Matsushita <matusita@matatabi.or.jp>
uid Makoto Matsushita <matusita@FreeBSD.org>
uid Makoto Matsushita <matusita@jp.FreeBSD.ORG>
uid Makoto Matsushita <matusita@ist.osaka-u.ac.jp>
sub 1024g/F1F3C94D 1999-04-18
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### 3.323. Martin Matuska <mm@FreeBSD.org>

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pub  rsa4096/EC560C81CEC2276E 2019-12-21 [SC] [expires: 2022-12-20]
      Key fingerprint = A5A4 5B12 AD92 D964 B89E EE2D EC56 0C81 CEC2 276E
uid          Martin Matuska <mm@FreeBSD.org>
uid          Martin Matuska <martin@matuska.org>
sub  rsa4096/26759B2C1AAAFF1E 2019-12-21 [E] [expires: 2022-12-20]

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### 3.324. Sergey Matveychuk <sem@FreeBSD.org>

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pub      1024D/B71F605D 1999-10-13
Key fingerprint = 4704 F374 DB28 BEC6 51C8 1322 4DC9 4BD8 B71F 605D
uid      Sergey Matveychuk <sem@FreeBSD.org>
uid      Sergey Matveychuk <sem@ciam.ru>
uid      Sergey Matveychuk <sem@core.inec.ru>
sub      2048g/DEAF9D91 1999-10-13

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### 3.325. Stephen McConnell <slm@FreeBSD.org>

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pub 2048R/E523D98C5DC9E9D0 2014-05-13 [expires: 2017-05-12]
    Key fingerprint = E5A6 6376 9887 C35A B41E 1F7B E523 D98C 5DCE E9D0
uid                               Stephen McConnell <slm@FreeBSD.org>
sub 2048R/0A1BC20E46082DDE 2014-05-13 [expires: 2017-05-12]

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### 3.326. Stephen McKay <mckay@FreeBSD.org>

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pub 4096R/552482D45824C996 2015-04-26 [expires: 2018-04-25]
Key fingerprint = DF52 7F13 0B49 9790 BFF3 6A17 5524 82D4 5824 C996
uid Stephen McKay <mckay@FreeBSD.org>
sub 4096R/3DBD459E455FF5B3 2015-04-26 [expires: 2018-04-25]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.327. Kirk McKusick <mckusick@FreeBSD.org>

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pub 4096R/A6B2F60DAB751437 2018-12-26
    Key fingerprint = 7A9C 0357 0CA9 65CF 3F7B FF29 A6B2 F60D AB75 1437
uid Marshall Kirk McKusick <mckusick@freebsd.org>
uid Marshall Kirk McKusick <mckusick@mckusick.com>
sub 4096R/6817A53D87741E1B 2018-12-26
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### 3.328. Tom McLaughlin <tmclaugh@FreeBSD.org>

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pub 1024D/E2F7B3D8 2005-05-24
Key fingerprint = 7692 B222 8D23 CF94 1993 0138 E339 E225 E2F7 B3D8
uid Tom McLaughlin (Personal email address) <tmclaugh@sdf.lonestar.org>
uid Tom McLaughlin (Work email address) <tmclaughlin@meditech.com>
uid Tom McLaughlin (FreeBSD email address) <tmclaugh@FreeBSD.org>
sub 2048g/16838F62 2005-05-24
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### 3.329. Jared McNeill <jmcneill@FreeBSD.org>

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pub  rsa2048/4D7493AA16CF40D0 2016-02-24 [expires: 2019-02-23]
      Key fingerprint = 81ED 5420 3DF8 B48D 035D 8334 4D74 93AA 16CF 40D0
uid   Jared McNeill (FreeBSD) <jmcneill@FreeBSD.org>
uid   Jared McNeill <jmcneill@invisible.ca>
sub   rsa2048/0E6943EE9C65C7F0 2016-02-24 [expires: 2019-02-23]

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### 3.330. Johannes Meixner <xmj@FreeBSD.org>

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pub 2048R/FC9E29371B1B0D0B 2014-04-09 [expires: 2017-04-08]
Key fingerprint = 224E D70A A3AE 3EF1 23B0 CA88 FC9E 2937 1B1B 0D0B
uid Johannes Jost Meixner <xmj@chaot.net>
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sub 2048R/A9F0E3193C0C8867 2014-04-09 [expires: 2017-04-08]
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### 3.331. Jean Milanez Melo <jmelo@FreeBSD.org>

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pub 1024D/AA5114BF 2006-03-03
    Key fingerprint = 826D C2AA 6CF2 E29A EBE7 4776 D38A AB83 AA51 14BF
uid          Jean Milanez Melo <jmelo@FreeBSD.org>
uid          Jean Milanez Melo <jmelo@freebsdbrasil.com.br>
sub 4096g/E9E1CBD9 2006-03-03
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### 3.332. Michal Meloun <mmel@FreeBSD.org>

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    Key fingerprint = 00DD 4A10 4B80 9FE0 2983 8D77 691E B26B 5EC5 AAAA
uid          Michal Meloun <mmel@freebsd.org>
uid          Michal Meloun <meloun@miracl.e.cz>
uid          Michal Meloun <melounmichal@gmail.com>
sub rsa2048/62E61A1BD4E386E2 2015-10-26 [expires: 2018-10-31]
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### 3.333. Julio Merino <jmmv@FreeBSD.org>

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Key fingerprint = 6D6F 53EB C86C AB33 17B5 331D B889 BD50 41AD 5625
uid Julio Merino <jmmv@julipedia.org>
uid Julio M. Merino Vidal <jmmv84@gmail.com>
uid Julio M. Merino Vidal <jmmv@NetBSD.org>
uid Julio Merino <jmmv@NetBSD.org>
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### 3.334. Kashyap D. Desai <kadesai@FreeBSD.org>

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pub 1024D/B58E09A5C6E4A571 2014-05-22 [expires: 2017-05-21]
    Key fingerprint = A14D 4FB6 333F D61A D202 C547 B58E 09A5 C6E4 A571
uid                               Kashyap D Desai <kashyap.desai@avagotech.com>
sub 2048g/9372013F74B44808 2014-05-22 [expires: 2017-05-21]
    
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.335. Kenneth D. Merry <ken@FreeBSD.org>

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pub 1024D/54C745B5 2000-05-15 Kenneth D. Merry <ken@FreeBSD.org>  
Key fingerprint = D25E EBC5 F17A 9E52 84B4 BF14 9248 F0DA 54C7 45B5  
uid Kenneth D. Merry <ken@kdm.org>  
sub 2048g/89D0F797 2000-05-15  
  
pub 1024R/2FA0A505 1995-10-30 Kenneth D. Merry <ken@plutotech.com>  
Key fingerprint = FD FA 85 85 95 C4 8E E8 98 1A CA 18 56 F0 00 1F
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Comment: For info see http://www.gnupg.org  
  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.336. Mark Murray <mark@FreeBSD.org>

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pub   rsa2048 2013-09-29 [SCEA]
      9C2F34D013B833C0833990D1B1AFE3F41215A6B1
uid   [ultimate] Mark Robert Vaughan Murray <mark@grondar.org>
uid   [ultimate] Mark Robert Vaughan Murray <mrvmurray@icloud.com>
uid   [ultimate] Mark Robert Vaughan Murray <markm@freebsd.org>
uid   [ultimate] Mark Robert Vaughan Murray <mark@grondar.za>
uid   [ultimate] Mark Robert Vaughan Murray <mrvmurray@gmail.com>
sub   rsa2048 2013-09-29 [SEA]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG/MacGPG2 v2
Comment: GPGTools - http://gpgtools.org
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### 3.337. Dirk Meyer <dinoex@FreeBSD.org>

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uid                               Dirk Meyer <dinoex@FreeBSD.org>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.338. Yoshiro Sanpei MIHIRA <sanpei@FreeBSD.org>

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pub 1024R/391C5D69 1996-11-21 sanpei@SEAPLE.ICC.NE.JP
Key fingerprint = EC 04 30 24 B0 6C 1E 63 5F 5D 25 59 3E 83 64 51
uid MIHIRA Yoshiro <sanpei@sanpei.org>
uid Yoshiro MIHIRA <sanpei@FreeBSD.org>
uid MIHIRA Yoshiro <sanpei@yy.cs.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@cc.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@educ.cc.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@st.keio.ac.jp>
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.339. Robert Millan <rmh@FreeBSD.org>

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pub 4096R/DEA2C38E 2009-08-14
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Key fingerprint = A537 F029 AAAE 0E9C 39A7 C22C BB9D 98D9 DEA2 C38E
uid      Robert Millan <rmh@debian.org>
uid      Robert Millan <rmh@freebsd.org>
uid      Robert Millan <rmh@gnu.org>
sub      4096R/65A0A9CE 2009-08-14
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Version: GnuPG v1.4.10 (GNU/kFreeBSD)

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### 3.341. Ryan Moeller <freqlabs@FreeBSD.org>

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pub  rsa2048/033BC15CEC4A666B 2020-02-11 [SC] [expires: 2023-02-10]
      Key fingerprint = DBD7 727D 43CF 62ED A754 055C 033B C15C EC4A 666B
uid      Ryan Moeller <freqlabs@FreeBSD.org>
sub  rsa2048/0C9FEDF0F5D692CE 2020-02-11 [E] [expires: 2023-02-10]
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### 3.342. Mahdi Mokhtari <mmokhi@FreeBSD.org>

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pub  rsa2048/B809F8A3D4C5AE84 2017-01-28 [SC] [expires: 2020-01-28]
      Key fingerprint = 4AE8 5BE0 08D1 DE58 81FC 231E B809 F8A3 D4C5 AE84
uid      Mahdi Mokhtari <mmokhi@freebsd.org>
sub  rsa2048/55144798EFF98AB0 2017-01-28 [E] [expires: 2020-01-28]
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### 3.343. Michael Moll <mmoll@FreeBSD.org>

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    Key fingerprint = 5048 2980 9458 0FF4 AE39 1B16 749B 7C68 AFB1 16C7
uid          Michael Moll <kvedulv@kvedulv.de>
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uid          Michael Moll <mmoll@mmoll.at>
sub  rsa4096/8693D402926E5572 2015-04-25
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### 3.344. Christoph Moench-Tegeder <cmt@FreeBSD.org>

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pub  rsa4096/37F59AA07D92D5AF 2015-07-11 [SC] [expires: 2020-07-09]
      Key fingerprint = 8DE2 4BD1 0CAA 892B 8C2B FC75 37F5 9AA0 7D92 D5AF
uid   Christoph Moench-Tegeder <cmt@freebsd.org>
uid   Christoph Moench-Tegeder <cmt@burggraben.net>
sub   rsa2048/5C3AD1E79C38F112 2015-07-11 [S] [expires: 2017-07-10]
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### 3.345. Stephen Montgomery-Smith <stephen@FreeBSD.org>

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pub 2048R/9A92D807 2011-06-14
Key fingerprint = 2B61 D82E 168E F08B 6E08 712E 2DF1 2BD1 9A92 D807
uid Stephen Montgomery-Smith <stephen@freebsd.org>
sub 2048R/A4BA6560 2011-06-14

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### 3.346. Marcel Moolenaar <marcel@FreeBSD.org>

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pub 4096R/875AF2DF1FD2D8E3 2012-11-17
    Key fingerprint = 745F 456E AE8D 07DB 07C0 998B 875A F2DF 1FD2 D8E3
uid                               Marcel Moolenaar <marcel@xcllnt.net>
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sub 4096R/8B35277B73BDD377 2012-11-17

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.347. Doug Moore <doug@FreeBSD.org>

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pub  rsa2048/E88F2153D3B9D56E 2019-04-19 [SC] [expires: 2022-04-18]
      Key fingerprint = 795E 3531 9256 03AE 4297 DE83 E88F 2153 D3B9 D56E
uid  Doug Moore (www.freebsd.org) <doug@freebsd.org>
uid  Douglas W Moore <doug@rice.edu>
sub  rsa2048/929C16F5708028AC 2019-04-19 [E] [expires: 2022-04-18]
sub  rsa2048/A3B47B563FA14BAC 2019-04-20 [S] [expires: 2022-04-19]
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### 3.348. Kris Moore <kmoore@FreeBSD.org>

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pub 1024D/6294612C 2009-05-26
Key fingerprint = 8B70 9876 346F 1F97 5687 6950 4C92 D789 6294 612C
uid Kris Moore <kmoore@freebsd.org>
sub 2048g/A7FFE8FB 2009-05-26
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### 3.349. Dmitry Morozovsky <marck@FreeBSD.org>

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pub  rsa4096/0650BCC042473949 2013-11-25 [expires: 2022-04-16]
     Key fingerprint = 6BF3 EE15 5E2D 46F5 0B57 3A81 0650 BCC0 4247 3949
uid  Dmitry Morozovsky <marck@rinet.ru>
uid  Dmitry Morozovsky <marck@FreeBSD.org>
sub  rsa4096/948FF5948B7DAAA4 2013-11-25 [expires: 2022-04-16]
sub  rsa4096/65AA79C860E297A8 2013-11-25 [expires: 2022-04-16]

pub  dsa1024/85D450456B691B03 2001-07-20 [expires: 2022-04-16]
     Key fingerprint = 39AC E336 F03D C0F8 5305 B725 85D4 5045 6B69 1B03
uid  Dmitry Morozovsky <marck@rinet.ru>
uid  Dmitry Morozovsky <marck@FreeBSD.org>
sub  elg2048/EC88D8AE44D656F8 2001-07-20
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### 3.350. Alexander Motin <mav@FreeBSD.org>

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6VaWRmWILgMxfLdhEVFWxbr99GSeVFZaZwn6tL/8CvBcgYoARvJvL0V5zS1akQf
EISYkwL9EfUIW44E0HranL5qUXkedXBYp6fRsooGrImfwYxaC8FbXhk3FMgMjDM
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=L+8M
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.351. Felipe de Meirelles Motta <lippe@FreeBSD.org>

```

pub 1024D/F2CF7DAE 2008-09-02 [expires: 2010-09-02]
Key fingerprint = 0532 A900 286D DAFD 099D 394D 231B AF20 F2CF 7DAE
uid Felipe de Meirelles Motta (FreeBSD Ports Committer)
<lippe@FreeBSD.org>
sub 2048g/38E8EEF3 2008-09-02 [expires: 2010-09-02]

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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K+fZWtaZsJiGLb0IrszAd2hRHUgQ5VeeoM0eD9eyAWHp5SVi9YcixMUNbn5ERPu4
ppK2A/sHynDjmkXHXzuNwN8dwcUjTMTvt9bxGrLVJHcJUsK527dv6/UG1CfZYnzT
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9l8bURIX5szmJ+be14VH+La1p+w31YswBn0PDTSYtWhaIn1LMXED4e2Kg/wUCpLT
M8htMa1pg0F2ZcmvbNZFuXMD3BBakvWrRJTYuDXy8HHnbAljUd40laUDT3Wi6FRB
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1wm6VFjn7qg=
=q3W+
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.352. Rich Murphey <rich@FreeBSD.org>

```

pub 1024R/583443A9 1995-03-31 Rich Murphey <rich@lamprey.utmb.edu>
Key fingerprint = AF A0 60 C4 84 D6 0C 73 D1 EF C0 E9 9D 21 DB E4

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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FBF2Gd5Lbj0y8SLMno5yJ6P4F4r+x3jwHZrzAIwMs/lxDXRtB0VeVWnlj6a3Rezs
wbfaTeSVyh5JohEckdoYiMG5wjAT0wK/NAwIPthB1RzRjnEeer3HI3ZYNE0pAAUR
tCRSawNoIE11cnBoZXkgPHJpY2hAbGFtcHJleS51dG1iLmVkdT6JAJUDBRAve15W
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=QoiM
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.353. Akinori MUSA <knu@FreeBSD.org>

```

pub 1024D/9FD9E1EE 2000-03-21 Akinori MUSA <knu@and.or.jp>
Key fingerprint = 081D 099C 1705 861D 4B70 B04A 920B EFC7 9FD9 E1EE
uid Akinori MUSA <knu@FreeBSD.org>
uid Akinori MUSA <knu@idaemons.org>
uid Akinori MUSA <knu@ruby-lang.org>
sub 1024g/71BA9D45 2000-03-21

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)

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Comment: For info see <http://www.gnupg.org>

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mu8dA/9LbmAw5sLk5Lo5i4InAWP76pyuGxSia6zMRdML6ynoC5kmyrI9TW5LNU/
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LHpxfPZ0JNdA30PgfsN9K+PIuhbBU5xONCoAcD9TEqSezfUrQfQWtpbm9yaSBN
VVNIQSA8a251QEZYzWVCU0Qub3JnPhWBBMRAgAWBQI411qhBASKBAMDFQMCAXYC
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C+/ljU5+pV0WI5dmxTzxAKDJRtsRSTBcJ7ohvzztxZqyjfSK+bQgQWtpbm9yaSBN
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1Xo=
=M+Al
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.354. Thomas Möstl <[tmm@FreeBSD.org](mailto:tmm@FreeBSD.org)>

```
pub 1024D/419C776C 2000-11-28 Thomas Moestl <tmm@FreeBSD.org>
Key fingerprint = 1C97 A604 2BD0 E492 51D0 9C0F 1FE6 4F1D 419C 776C
uid Thomas Moestl <tmoestl@gmx.net>
uid Thomas Moestl <t.moestl@tu-bs.de>
sub 2048g/ECE63CE6 2000-11-28
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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pEZiG9vJevq400PvsThLKHCLNhZ5zLPp6gd0IHWRJ0LU94pouFXd33MzrwCg4gTJ
K00Dw0lhFtUsq6WjNC+1B8D/2WiEuzBMn06gz0p/eJ1eZ7mvrBXLQZ0u5vJ3eg2
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n1xd4f7iAe6id42DLg4W3fibsCwsAJ0cT2lf08RhHkT+zLVoubyIDoY6ILQfVghv
bwFzIE1vZXN0bCA8dG1tQEZYzWVCU0Qub3JnPhWBBMRAgAXBQI6p09pBQsHCgME
AxUDAgMWAgECF4AACGkQH+ZPHUGcd2z+7gCdF5fq/Lebn3/gp4008xP/J0XFbiIA
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```

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.355. Jesper Schmitz Mouridsen <[jsm@FreeBSD.org](mailto:jsm@FreeBSD.org)>

```
pub  rsa2048/FF27311BCAAD5E73 2018-07-02 [SC] [expires: 2021-07-01]
      Key fingerprint = FEBD 6AF9 E18A C936 7CBC C28E FF27 311B CAAD 5E73
uid  Jesper Schmitz Mouridsen <jsm@FreeBSD.org>
sub  rsa2048/AD7A4081B64D9398 2018-07-02 [E] [expires: 2021-07-01]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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Pqe4AHu9bCNUrSrZgdE8LYVp96M5jdrfzq/Al1gZGA070cSge0e9xGIBKB1hz68B
Zfxld/Ei7WveD0pcNowihV22AVUMw1Z4E0A89WSR0DSxXiUcCqRQbbxtpFDvKbbA
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xMSnoBkMeipCzdbV/iju4rn/vwgSGKR74x2dABEBAAG0Kkplc3BlciBTY2htaXR6
IE1vdXJpZHNlbiA8anNtQEZYzWVCU0Qub3JnPokBVAQTAQoAPhYhBP69avnhisK2
fLzCjv8nMRvKrV5zBQJb0qVLAhsDBQkFo5qABQsJCAcDBRUKCQgLBRYDAGEAh4B
AheAAoJEP8nMRvKrV5zGy8IAMtFbiYzhYCB4yI8kjpq9g0xE/CWyi2uFfA3mRpM
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a7KJOJ42EmMlxvzRo/al0m377v7Sn96jIz4xQgBBdbNCG0G5AQ0EWzqlZQEIAMFP
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lgQ=
=UZDe
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.356. Masafumi NAKANE <[max@FreeBSD.org](mailto:max@FreeBSD.org)>

```
pub  1024D/CE356B59 2000-02-19 Masafumi NAKANE <max@wide.ad.jp>
      Key fingerprint = EB40 BCAB 4CE5 0764 9942 378C 9596 159E CE35 6B59
uid  Masafumi NAKANE <max@FreeBSD.org>
uid  Masafumi NAKANE <max@accessibility.org>
uid  Masafumi NAKANE <kd5pdi@qsl.net>
sub  1024g/FA9BD48B 2000-02-19
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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Version: GnuPG v1.2.2 (FreeBSD)

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CgkQLZYVns41a1lYRwCc8L4PdrwHKnrZLTW6vod6kYgR3YAni8iLUZw5Se6nTH9
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IbTmXrLtnm5rGs70T9QYNLhCFFPYKJxa9hFbrGpgerEFnqBfxcBMLa/wyIm9m/l
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tJh+1wAECwP/YBMEMx/zgTvS3Jtj6nPceRe8icGRHb4SD7MVf/WxYu5VK7wlmuw
9I9WxNHyYaL4c6Q49FAvwhkppByqJFL0txyJ8+nNa6H5mit8m6dcsCMG3NzyvxBP
082h/MWbJn3Xdg89lp4UG3UP8sV1oWyIChd8rXfK/EVB7fVQWnz/gKIRgQYEQIA
BgUC0K4x1gAKCRClhWezjVrWULcAJ467I5lFNlkwkENE5vND+DPaWyreQCfdd0u
6Va2/bf7Ln4TKyl17uRro7Y=
=VmY5
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.357. Maho Nakata <maho@FreeBSD.org>

```
pub 1024D/F28B4069 2009-02-09
Key fingerprint = 3FE4 99A9 6F41 8161 4F5F 240C 8615 A60C F28B 4069
uid Maho NAKATA (NAKATA's FreeBSD.org alias) <maho@FreeBSD.org>
sub 2048g/6B49098E 2009-02-09
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGiBEmPtPkrBADEcSQQGME+Df6I9jnJUBNMxvX8aMAH0+SKJEn0xTZvu9WLQmJv
Bx1Hh6AN8fd700NFBYGsDAXbbgFnwxc/KPBctXHUx0TE3lRtFRwYJJKIKvrDhFjr
qDwLJ9TsUn/pDsBflPFfe57okBlPgSywTLGLuur0at7oda6Z2K0F0iALVwCgn/b2
7R19gm0uKjzsEPEjafW6LZMD+wQK4qETfRdqRoVRnzpTa+xa60kQxxsIeibffy
dovqH7HIWeqiqDwls17zmbMc7auNliYn7VJ1bQ2C5SkojMUqqEsVle/8gfe0cWhS
2jJ8A3Xg+/IzYwj+TtllWqUkzx/b1Ck8v/9aRmLTn090dC8H9Nu1onF3Cp0WqsiN
gwNHA/4+8w5D5gouNwfuYkzozQ2jIFJ4zhe0Gcb2MIrqrKf0N40N0cYFLi4eJ8F
W1DAdQbQjfmMLYaknm7MBpnsagTqjS9MniPVygyUuure/xMx0tszVdGdRSjEY/5U
AXoCevBci0meKtm5ZSDb2RP0LezF/z0V82IY3T+0KXTHcLSeubQ7TWFobyB0QUtB
VEEgKE5BS0FUQSDzIEZyZWVCU0Qub3JnIGFsaWZkSA8bWfob0BGcmVlQlNELm9y
Zz6IYAQTEQIAIAUCSY+0+QIbAwYLCQgHAwIEFQIIAwQwAgMBAh4BAheAAAJEIIYV
pgzyi0Bpf4UAnj0qrSHlb4NdW+uLVFu3o8W1hbTKAJwIdn91S2W9V3ueKsbFqq62
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uQI2mM2oEX60zEDCgWvGoIPKzMrui/LAPi8I4Q9A3fH7azEz/BHW6yqLcXfmUrMe
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whiTQkiVgB014EDhR7IoLjZQJwpJqWC6HCwED08In20/fI4JX3XiPbUzYsmQSpd0
tMMBVbwbK3m8SnTaF7cnYrZVGL2oCrBxYhYhXdtxmGnD3q1/me7dixUJLbEHSmj
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```

```
vrn/k4hJBBgRAGAJBQJJj7T5AhsMAAoJEIYVpgzyi0BpqXQAnj kUg0mypg8bF5kd
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=Rtch
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.358. Yoichi NAKAYAMA <yoichi@FreeBSD.org>

```
pub 1024D/E0788E46 2000-12-28 Yoichi NAKAYAMA <yoichi@assist.media.nagoya-u.ac.jp>
    Key fingerprint = 1550 2662 46B3 096C 0460 BC03 800D 0C8A E078 8E46
uid Yoichi NAKAYAMA <yoichi@eken.phys.nagoya-u.ac.jp>
uid Yoichi NAKAYAMA <yoichi@FreeBSD.org>
sub 1024g/B987A394 2000-12-28
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (GNU/Linux)
Comment: KUHASIKU WA http://www.gnupg.org/ WO GORANKUDASAI
```

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Kj5SP2hFC0ueyQtPD0JEgED/0bPL9R08io82IQqs0R9IUy00dFJkLVWLnolLEY
LGjXa/AHgE8L8oWU/2eF1WM4JrtVRdcKe0Ja2e9LuH6IonGAdwqUeeA0wA/RdGj3
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W0sLX4cLou2TEhV3BHb/4npsdaY0BzYgLV7V1YggCv0Pu1s2D53Nzi30V66SRP0BZ
0LNTA88WdMfoF3ttb04swSenG9X8dbpyYEdlvxNbbKKbUiB0RbQxwW9pY2hpIE5B
S0FZQU1BIDx5b2ljaGlaZwTlbi5waHlZLm5hZ295YS11LmFjLmpwPohXBBMRAGAX
BQI6SvLiB0sHCgMEAxUDAgMWAECF4AACGkQgA0MiuB4jkZz3wCeIi857V2zyRA7
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dy40SxBG/qELtCRzb2ljaGkgTkFLQVlBTUEgPHlvaWNoaUBGcmVlQLNELm9yZz6I
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KzDAfR7Fzba/V7DHq2BRlCRQAJ9nZFGBncerxFMYAanwJruIYtPnJYhGBBIRAGAG
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=NEZ/b
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.359. Edward Tomasz Napierała <trasz@FreeBSD.org>

```
pub rsa2048/242283F95C24FFBA 2017-03-18 [SC] [expires: 2020-03-17]
    Key fingerprint = 6EF8 C17B 586E EAED 4D7A 29E3 2422 83F9 5C24 FFBA
uid Edward Tomasz Napierała <trasz@FreeBSD.org>
sub rsa2048/E05120C93CF82625 2017-03-18 [E] [expires: 2020-03-17]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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```



```
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TmFwaWVyYWxhIDx0cmFzekBGcmVlQlNELm9yZz6JAVQEEwEKAD4WIQRu+MF7WG7q
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KD+E
=ZzJT
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.360. Neel Natu <neel@FreeBSD.org>

```
pub 2048R/8E023181B17DA72B 2014-09-25 [expires: 2017-09-24]
Key fingerprint = 1251 B214 E559 D763 A12C 96F4 8E02 3181 B17D A72B
uid Neel Natu <neel@freebsd.org>
sub 2048R/1F906913DB152E10 2014-09-25 [expires: 2017-09-24]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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bEBmcmVlYnNkLm9yZz6JAT0EEwEKACcFA1QjZ78CGwMFCQWjmoAFCwkIBwMFFQoJ
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WgeslzATL5Co4qJLwKvAF5KPTmLur17jD9jik77Rfb4ZCLYy3SuAIqvT5EXp/NZ
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=eege
-----END PGP PUBLIC KEY BLOCK-----
```

**3.361. David Naylor** <[dbn@FreeBSD.org](mailto:dbn@FreeBSD.org)>

```
pub  rsa4096/35C84A0DEC1D97CD 2014-03-06 [SC] [expires: 2020-03-20]
     Key fingerprint = A372 D3E1 D587 2D99 A5FF F243 35C8 4A0D EC1D 97CD
uid          David Naylor (Private) <naylor.b.david@gmail.com>
uid          David Naylor (FreeBSD) <dbn@FreeBSD.org>
sub  rsa4096/AD63FA8DD6B2DA55 2014-03-06 [S] [expires: 2020-03-08]
     Key fingerprint = 948E C511 A27F 0302 E799 B53A AD63 FA8D D6B2 DA55
sub  rsa4096/88D62359F19D95D0 2014-03-06 [E] [expires: 2020-03-08]
     Key fingerprint = A198 8E3A 1A14 66C7 ADE2 13F2 88D6 2359 F19D 95D0
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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RZgyQzpkAYvyoFfVYpKtXCu58wc8K/qGuAtGu+rLSGv1aem0TdzclpEcozGJ0xj
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qTB5wERaIGHnuwQRk9KeY9i9pywms3PdQWsTckEw8fFV58GxhYeTtIBmdTVYnHEG
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AQACHgECF4AWIQSjctPh1YctmaX/8kM1yEon7B2XzQUcXJOnVAUJC1xVBAACRA1
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.362. Alexander Nedotsukov <bland@FreeBSD.org>

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pub 1024D/D004116C 2003-08-14 Alexander Nedotsukov <bland@FreeBSD.org>
Key fingerprint = 35E2 5020 55FC 2071 4ADD 1A4A 86B6 8A5D D004 116C
sub 1024g/1CCA8D46 2003-08-14

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### 3.363. Jochen Neumeister <joneum@FreeBSD.org>

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pub  rsa2048/9311C2CFE5669C5C 2017-05-15 [SC] [verfällt: 2020-05-14]
     Schl.-Fingerabdruck = 9C12 1C62 8850 D4C1 AE06 D509 9311 C2CF E566 9C5C
uid  Jochen Neumeister <joneum@FreeBSD.org>
sub  rsa2048/A95E7B3C43AF6657 2017-05-15 [E] [verfällt: 2020-05-14]
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### 3.364. George V. Neville-Neil <gnn@FreeBSD.org>

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pub  rsa4096/D3EB383C47F5F375 2020-08-11 [SC] [expires: 2024-08-11]
     Key fingerprint = CD55 D022 491F 783E 1FC7 7F66 D3EB 383C 47F5 F375
uid  George Neville-Neil <gnn@neville-neil.com>
uid  George Neville-Neil <gnn@freebsd.org>
sub  rsa4096/2D00124E8C2C6FD4 2020-08-11 [E] [expires: 2024-08-11]
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**3.365. Simon L. B. Nielsen** <[simon@FreeBSD.org](mailto:simon@FreeBSD.org)>

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pub 1024D/FF7490AB 2007-01-14
    Key fingerprint = 4E92 BA8D E45E 85E2 0380 B264 049C 7480 FF74 90AB
uid                               Simon L. Nielsen <simon@FreeBSD.org>
uid                               Simon L. Nielsen <simon@nitro.dk>
sub 2048g/E3F5A76E 2007-01-14
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-----END PGP PUBLIC KEY BLOCK-----

**3.366. Robert Noland** <[rnoiland@FreeBSD.org](mailto:rnoiland@FreeBSD.org)>

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pub 1024D/8A9F44E3 2007-07-24
    Key fingerprint = 107A 0C87 E9D0 E581 677B 2A28 3384 EB43 8A9F 44E3
uid                               Robert C. Noland III <rnoiland@FreeBSD.org>
uid                               Robert C. Noland III (Personal Key) <rnoiland@2hip.net>
sub 2048g/76C3CF00 2007-07-24
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.367. Anders Nordby <anders@FreeBSD.org>

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pub 1024D/00835956 2000-08-13 Anders Nordby <anders@fix.no>
    Key fingerprint = 1E0F C53C D8DF 6A8F EAAD 19C5 D12A BC9F 0083 5956
uid                               Anders Nordby <anders@FreeBSD.org>
sub 2048g/4B160901 2000-08-13
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.368. Michael Nottebrock <Lofi@FreeBSD.org>

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pub 1024D/6B2974B0 2002-06-06 Michael Nottebrock <michaelnottebrock@gmx.net>
   Key fingerprint = 1079 3C72 0726 F300 B8EC 60F9 5E17 3AF1 6B29 74B0
uid                               Michael Nottebrock <lofi@freebsd.org>
uid                               Michael Nottebrock <lofi@tigress.com>
uid                               Michael Nottebrock <lofi@lofi.dyndns.org>
uid                               Michael Nottebrock <michaelnottebrock@web.de>
uid                               Michael Nottebrock <michaelnottebrock@meitner.wh.uni-
dortmund.de>
sub 1024g/EF652E04 2002-06-06 [expires: 2004-06-15]
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pub 1024R/34F9F9D5 1995-04-23 David E. O'Brien <defunct - obrien@Sea.Legent.com>
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pub 1024D/7F9A9BA2 1998-06-10 "David E. O'Brien" <obrien@cs.ucdavis.edu>
    Key fingerprint = 02FD 495F D03C 9AF2 5DB7 F496 6FC8 DABD 7F9A 9BA2
uid                                     "David E. O'Brien" <obrien@NUXI.com>
uid                                     "David E. O'Brien" <obrien@FreeBSD.org>
sub 3072g/BA32C20D 1998-06-10

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.370. Nick O'Brien <[nick@FreeBSD.org](mailto:nick@FreeBSD.org)>

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pub  rsa2048/A5D503151E175700 2020-03-19 [SC] [expires: 2023-03-19]
      Key fingerprint = E39B A8F0 2AC0 4F09 66EF 9D71 A5D5 0315 1E17 5700
uid   Nick O'Brien <nick@FreeBSD.org>
uid   Nick O'Brien <nickisobrien@gmail.com>
sub  rsa2048/5203471AF50842FA 2020-03-19 [E] [expires: 2023-03-19]
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### 3.371. Jimmy Olgeni <[olgeni@FreeBSD.org](mailto:olgeni@FreeBSD.org)>

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pub  2048R/90B7A98E6450AE47 2012-11-01 [expires: 2019-01-25]
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OpenPGP Keys

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uid Giacomo Olgeni <olgeni@olgeni.com>
uid Giacomo Olgeni <olgeni@moviereading.com>
uid Giacomo Olgeni <olgeni@unimaccess.com>
uid Giacomo Olgeni <olgeni@gmail.com>
uid Giacomo Olgeni <olgeni@keybase.io>
uid Jimmy Olgeni <olgeni@FreeBSD.org>
sub 2048R/C4C925F61988BB4B 2012-11-01 [expires: 2019-01-25]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.372. Phil Shafer <[phil@FreeBSD.org](mailto:phil@FreeBSD.org)>

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pub  rsa2048/199B04AAB9FC8BC1 2015-12-30 [expires: 2018-12-29]
      Key fingerprint = C481 6D81 839D FABB 6E51 368E 199B 04AA B9FC 8BC1
uid   Phil Shafer <phil@freebsd.org>
uid   Phil Shafer <phil@juniper.net>
sub   rsa2048/393DFA173468E663 2015-12-30 [expires: 2018-12-29]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.373. Philip Paeps <[philip@FreeBSD.org](mailto:philip@FreeBSD.org)>

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pub  rsa2048/31AEB9B5FDBBCB0E 2015-06-14 [SC] [expires: 2022-07-01]
      Key fingerprint = 2CD1 92C2 6EE7 B7D1 F552 6619 31AE B9B5 FDBB CB0E
uid   Philip Paeps <philip@trouble.is>
uid   Philip Paeps <philip@freebsd.org>
uid   Philip Paeps <philip@nixsys.be>
sub   rsa2048/7C62BC4776C9F29E 2015-06-14 [S] [expires: 2021-06-01]
sub   rsa2048/935DB8343AF25C94 2015-06-14 [E] [expires: 2021-06-01]
sub   rsa2048/CFF632544136DF54 2015-06-14 [A] [expires: 2021-06-01]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.374. Josh Paetzel <jpaetzel@FreeBSD.org>

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pub 2048D/F6F63F01 2012-09-21
    Key fingerprint = 1D8D 506E B58C BD10 DC8C 97E1 D6AD 8621 F6F6 3F01
uid          Josh Paetzel <josh@tdebug.org>
uid          Josh Paetzel <josh@ixsystems.com>
uid          Josh Paetzel <jpaetzel@FreeBSD.org>
sub 2048R/F32EF801 2012-09-21
sub 2048R/51F1335D 2012-09-21
sub 2048g/9BC280CD 2012-09-21
sub 2048g/CC793500 2012-09-21

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### 3.375. Gábor Páli <pgj@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.376. Hiren Panchasara <[hiren@FreeBSD.org](mailto:hiren@FreeBSD.org)>

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pub  2048R/8B9250E1563EDFE5 2014-05-13 [expires: 2017-05-12]
      Key fingerprint = A4E2 0FA1 D878 8F3F 17E6 6F02 8B92 50E1 563E DFE5
uid  hiren panchasara <hiren@freebsd.org>
sub  2048R/EAF1BEDEBEEA242B 2014-05-13 [expires: 2017-05-12]

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### 3.377. Hiten Pandya <[hmp@FreeBSD.org](mailto:hmp@FreeBSD.org)>

```

pub  1024D/938ACA8 2004-02-13 Hiten Pandya (FreeBSD) <hmp@FreeBSD.org>
      Key fingerprint = 84EB C75E C75A 50ED 304E E446 D974 7842 938C ACA8
uid  Hiten Pandya <hmp@backplane.com>
sub  2048g/783874B5 2004-02-13

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### 3.378. Yuri Pankov <yuripv@FreeBSD.org>

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pub   rsa2048/938BE07FB12AE16C 2018-10-09 [SC] [expires: 2021-10-08]
      Key fingerprint = F86A B73E C3DE 2D3E 2D2F FF70 938B E07F B12A E16C
uid   Yuri Pankov <yuripv@FreeBSD.org>
uid   Yuri Pankov <yuripv@yuripv.net>
sub   rsa2048/46D3CC02A35E1B43 2018-10-09 [E] [expires: 2021-10-08]
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### 3.379. Dima Panov <fluffy@FreeBSD.org>

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pub 1024D/93E3B018 2006-11-08
    Key fingerprint = C73E 2B72 1FFD 61BD E206 1234 A626 76ED 93E3 B018
uid          Dima Panov (FreeBSD.ORG Committer) <fluffy@FreeBSD.ORG>
uid          Dima Panov (at home) <fluffy@fluffy.khv.ru>
uid          Dima Panov (at home) <fluffy.khv@gmail.com>
sub 2048g/89047419 2006-11-08

pub 4096R/D5398F29 2009-08-09
    Key fingerprint = 2D30 2CCB 9984 130C 6F87 BAFc FB8B A09D D539 8F29
uid          Dima Panov (FreeBSD.ORG Committer) <fluffy@FreeBSD.ORG>
uid          Dima Panov (at Home) <fluffy@fluffy.khv.ru>
uid          Dima Panov (at Gmail) <fluffy.khv@gmail.com>
sub 4096R/915A7785 2009-08-09
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.380. Andrew Pantyukhin <sat@FreeBSD.org>

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pub 1024D/6F38A569 2006-05-06
Key fingerprint = 4E94 994A C2EF CB86 C144 3B04 3381 67C0 6F38 A569
uid Andrew Pantyukhin <infofarmer@gubkin.ru>
uid Andrew Pantyukhin <sat@FreeBSD.org>
uid Andrew Pantyukhin <infofarmer@gmail.com>
uid Andrew Pantyukhin <infofarmer@mail.ru>
sub 2048g/5BD4D469 2006-05-06
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.381. Navdeep Parhar <[np@FreeBSD.org](mailto:np@FreeBSD.org)>

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pub 1024D/ACAB8812 2009-06-08
Key fingerprint = C897 7AFB AFC0 4DA9 7B76 D991 CAB2 2B93 ACAB 8812
uid Navdeep Parhar <np@FreeBSD.org>
sub 2048g/AB61D2DC 2009-06-08
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### 3.382. Roger Pau Monné <[royger@FreeBSD.org](mailto:royger@FreeBSD.org)>

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pub 2048R/A5D976A532BA64C0 2012-07-10
Huella de clave = F443 1572 D188 7D22 3605 A2A6 A5D9 76A5 32BA 64C0
uid Roger Pau Monné <royger.pau@citrix.com>
uid Roger Pau Monné <royger@NetBSD.org>
uid Roger Pau Monné <royger.pau@entel.upc.edu>
uid Roger Pau Monné <royger@FreeBSD.org>
uid Roger Pau Monne (NetBSD) <royger.pau@citrix.com>
sub 2048R/6927D92634ED085B 2012-07-10
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.383. Rui Paulo <[rpaulo@FreeBSD.org](mailto:rpaulo@FreeBSD.org)>

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pub      4096R/39CB4153 2010-02-03
Key fingerprint = ABE8 8465 DE8F F04D E9C8 3FF6 AF89 B2E6 39CB 4153

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uid Rui Paulo <rpaulo@FreeBSD.org>
uid Rui Paulo <rpaulo@gmail.com>
sub 4096R/F87D2F34 2010-02-03
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### 3.384. Mikhail Pchelin <misha@FreeBSD.org>

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pub  rsa2048/A2DC12FB25611BD8 2016-11-22 [SC] [expires: 2019-11-22]
     Key fingerprint = 3E2E 6813 B96B 12C0 2561 B75F A2DC 12FB 2561 1BD8
uid  Mikhail Pchelin <misha@freebsd.org>
uid  Mikhail Pchelin <Mikhail.Pchelin@gmail.com>
sub  rsa2048/E54033B8F67AD345 2016-11-22 [E] [expires: 2019-11-22]
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### 3.385. Jean-Sébastien Pédron <dumbbell@FreeBSD.org>

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### 3.386. Mark Peek <mp@FreeBSD.org>

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```

### 3.387. Peter Pentchev <roam@FreeBSD.org>

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pub 1024D/16194553 2002-02-01
Key fingerprint = FDBA FD79 C26F 3C51 C95E DF9E ED18 B68D 1619 4553
uid Peter Pentchev <roam@ringlet.net>
uid Peter Pentchev <roam@cnsys.bg>
uid Peter Pentchev <roam@sbn.net>
uid Peter Pentchev <roam@online.bg>
uid Peter Pentchev <roam@orbitel.bg>
uid Peter Pentchev <roam@FreeBSD.org>
uid Peter Pentchev <roam@techlab.office1.bg>
uid Peter Pentchev <roam@hoster.bg>
uid Peter Pentchev <roam@space.bg>
sub 1024g/7074473C 2002-02-01

pub 4096R/2527DF13 2009-10-16
Key fingerprint = 2EE7 A7A5 17FC 124C F115 C354 651E EFB0 2527 DF13
uid Peter Pentchev <roam@ringlet.net>
uid Peter Pentchev <roamer@users.sourceforge.net>
uid Peter Pentchev <roam@cpan.org>
uid Peter Pentchev <roam@cnsys.bg>
uid Peter Pentchev <roam@sbn.net>
uid Peter Pentchev <roam@online.bg>
uid Peter Pentchev <roam@orbitel.bg>
uid Peter Pentchev <roam@FreeBSD.org>
uid Peter Pentchev <roam@techlab.office1.bg>
uid Peter Pentchev <roam@hoster.bg>

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OpenPGP Keys

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uid Peter Pentchev <roam@space.bg>
uid Peter Pentchev <roam-guest@alioth.debian.org>
uid Peter Pentchev <ppentchev@alumni.princeton.edu>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.388. Denis Peplin <den@FreeBSD.org>

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pub 1024D/485DDDF5 2003-09-11 Denis Peplin <den@FreeBSD.org>
    Key fingerprint = 495D 158C 8EC9 C2C1 80F5 EA96 6F72 7C1C 485D DDF5
sub 1024g/E70BA158 2003-09-11
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### 3.389. Christian S.J. Peron <csjp@FreeBSD.org>

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pub 1024D/033FA33C 2009-05-16
    Key fingerprint = 74AA 6040 89A7 936E D970 DDC0 CC71 6954 033F A33C
uid Christian S.J. Peron <csjp@FreeBSD.ORG>
sub 2048g/856B194A 2009-05-16
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### 3.390. Gerald Pfeifer <gerald@FreeBSD.org>

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pub 1024D/A5B3A004745C015A 1999-11-09
Key fingerprint = B215 C163 3BCA 0477 615F 1B35 A5B3 A004 745C 015A
uid Gerald Pfeifer <gerald@pfeifer.com>
uid Gerald Pfeifer <gp@suse.com>
uid Gerald Pfeifer <gp@novell.com>
uid Gerald Pfeifer <gerald@FreeBSD.org>
sub 1536g/00EAD7F3F0156927 1999-11-09
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### 3.391. D Scott Phillips <[scottph@FreeBSD.org](mailto:scottph@FreeBSD.org)>

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pub ed25519/8A1A4473E5524D8B 2019-05-31 [C]
Key fingerprint = CA2E 7B9E 4514 FC3B 4D3F 70A1 8A1A 4473 E552 4D8B
uid D Scott Phillips <d.scott.phillips@intel.com>
uid D Scott Phillips <scott@scott.ph>
uid D Scott Phillips <scottph@FreeBSD.org>
sub ed25519/75FA6154364DAC7C 2019-05-31 [S]
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### 3.392. Giuseppe Pilichi <jacula@FreeBSD.org>

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pub 4096R/8B9F4B8B 2006-03-08
Key fingerprint = 31AD 73AE 0EC0 16E5 4108 8391 D942 5F20 8B9F 4B8B
uid Giuseppe Pilichi (Jacula Modyun) <jacula@FreeBSD.org>
uid Giuseppe Pilichi (Jacula Modyun) <jaculamodyun@gmail.com>
uid Giuseppe Pilichi (Jacula Modyun) <gpilch@gmail.com>
uid Giuseppe Pilichi (Jacula Modyun) <jacula@gmail.com>
sub 4096R/FB4D05A3 2006-03-08
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**3.393. Mateusz Piotrowski <omp@FreeBSD.org>**

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pub  rsa2048/096F48DA3FAAE0B4 2021-01-04 [SC] [expires: 2023-01-04]
     Key fingerprint = 54C0 EB81 8A19 5597 8D06  CBF3 096F 48DA 3FAA E0B4
uid          Mateusz Piotrowski <omp@FreeBSD.org>
sub  rsa2048/45547A2507C8EEAA 2021-01-04 [E] [expires: 2023-01-04]
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**3.394. Luca Pizzamiglio <pizzamig@FreeBSD.org>**

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pub  rsa2048/7902AC39047F0596 2017-09-01 [SC] [expires: 2020-08-31]
     Key fingerprint = 970A 2223 AAAA 08B5 4F38  5A08 7902 AC39 047F 0596
uid          Luca Pizzamiglio <pizzamig@FreeBSD.org>
sub  rsa2048/BDC018FB5DC2DAA2 2017-09-01 [E] [expires: 2020-08-31]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.395. Ravi Pokala <[rpokala@FreeBSD.org](mailto:rpokala@FreeBSD.org)>

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pub  rsa2048/6B10EA3564AB91D0 2018-08-27 [SC] [expires: 2021-08-26]
     Key fingerprint = 4681 5310 8C37 0E0C 77BF F228 6B10 EA35 64AB 91D0
uid  Ravi Pokala <rpokala@freebsd.org>
sub  rsa2048/02821157C36360C6 2018-08-27 [E] [expires: 2021-08-26]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.396. John Polstra <[jdp@FreeBSD.org](mailto:jdp@FreeBSD.org)>

```
pub  1024R/BFBCF449 1997-02-14 John D. Polstra <jdp@polstra.com>
     Key fingerprint = 54 3A 90 59 6B A4 9D 61 BF 1D 03 09 35 8D F6 0D
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Version: GnuPG v1.0.6 (FreeBSD)
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Comment: For info see <http://www.gnupg.org>

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### 3.397. Kirill Ponomarev <[krion@FreeBSD.org](mailto:krion@FreeBSD.org)>

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pub  rsa2048/0F223DFCB302CA45 2017-01-24 [SC] [expires: 2022-09-08]
      Key fingerprint = 2421 D116 1100 42E8 CA9E 2D69 0F22 3DFC B302 CA45
uid  Kirill Ponomarev <kp@krion.cc>
uid  Kirill Ponomarev <krion@FreeBSD.org>
sub  rsa2048/689A26385A12AC21 2017-01-24 [E] [expires: 2022-09-08]
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### 3.398. Stephane E. Potvin <sepotvin@FreeBSD.org>

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pub 1024D/3097FE7B 2002-08-06
Key fingerprint = 6B56 62FA ADE1 6F46 BB62 8B1C 99D3 97B5 3097 FE7B
uid Stephane E. Potvin <sepotvin@videotron.ca>
uid Stephane E. Potvin <stephane.potvin@telcobridges.com>
uid Stephane E. Potvin <stephane_potvin@telcobridges.com>
uid Stephane E. Potvin <sepotvin@FreeBSD.org>
sub 2048g/0C427BC9 2002-08-06

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### 3.399. Carlos J. Puga Medina <cpm@FreeBSD.org>

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pub 2048R/A1F35D066E6D05453 2015-07-25 [expires: 2018-06-01]
    Key fingerprint = C60E 9497 5302 793B CC2D BB89 A1F3 5D66 E6D0 5453
uid                               Carlos Jacobo Puga Medina <cpm@FreeBSD.org>
uid                               Carlos Jacobo Puga Medina <cjpm@gmx.es>
uid                               Carlos Jacobo Puga Medina <cjpujmed@gmail.com>
sub 2048R/D41D05416780C3B1 2015-07-25 [expires: 2018-06-01]

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### 3.400. Mark Pulford <markp@FreeBSD.org>

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pub 1024D/182C368F 2000-05-10 Mark Pulford <markp@FreeBSD.org>
    Key fingerprint = 58C9 C9BF C758 D8D4 7022 8EF5 559F 7F7B 182C 368F
uid                               Mark Pulford <mark@kyne.com.au>
sub 2048g/380573E8 2000-05-10
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.401. Alejandro Pulver <[alepulver@FreeBSD.org](mailto:alepulver@FreeBSD.org)>

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pub 1024D/945C3F61 2005-11-13
Key fingerprint = 085F E8A2 4896 4B19 42A4 4179 895D 3912 945C 3F61
uid Alejandro Pulver (Ale's GPG key pair) <alepulver@FreeBSD.org>
uid Alejandro Pulver (Ale's GPG key pair) <alejandro@varnet.biz>
sub 2048g/6890C6CA 2005-11-13
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### 3.402. Kristof Provost <[kp@FreeBSD.org](mailto:kp@FreeBSD.org)>

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pub rsa2048/6FC4DC71FB5E4A46 2015-03-23 [SC] [expires: 2022-12-29]
Key fingerprint = 86FB A6CE 751B B4CC 9A0E 5172 6FC4 DC71 FB5E 4A46
uid Kristof Provost <kp@freebsd.org>
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### 3.403. Thomas Quinot <thomas@FreeBSD.org>

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### 3.404. Herve Quiroz <[hq@FreeBSD.org](mailto:hq@FreeBSD.org)>

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pub 1024D/85AC8A80 2004-07-22 Herve Quiroz <hq@FreeBSD.org>
    Key fingerprint = 14F5 BC56 D736 102D 41AF A07B 1D97 CE6C 85AC 8A80
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### 3.405. Doug Rabson <[dfr@FreeBSD.org](mailto:dfr@FreeBSD.org)>

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pub 2048R/D841102E0B753B2F 2015-04-25 [expires: 2018-04-24]
    Key fingerprint = 9083 9CD0 6235 A655 70E2 A65A D841 102E 0B75 3B2F
uid                                     Doug Rabson <dfr@freebsd.org>
sub 2048R/FCC3E849854E03FC 2015-04-25 [expires: 2018-04-24]

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### 3.406. Muhammad Moinur Rahman <bofh@FreeBSD.org>

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pub  rsa4096/BDB9B5A617C0BC91 2014-12-17 [SCA] [expires: 2021-12-31]
      Key fingerprint = 4DF7 5112 8506 8D06 4A05 2F9F BDB9 B5A6 17C0 BC91
uid          Muhammad Moinur Rahman <moin@bofh.im>
uid          Muhammad Moinur Rahman (FreeBSD) <bofh@freebsd.org>
uid          Muhammad Moinur Rahman (Official)
uid          <m.moinur.rahman@dzcrd.com>
uid          Muhammad Moinur Rahman <moin@cryptomancer.one>
uid          Muhammad Moinur Rahman <moin@dzcrd.com>
sub  elg4096/41CD79B64360E65D 2020-02-01 [E] [expires: 2024-02-01]
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**3.407. Santhosh Raju <fox@FreeBSD.org>**

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### 3.408. Lars Balker Rasmussen <lbr@FreeBSD.org>

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pub 1024D/9EF6F27F 2006-04-30
    Key fingerprint = F251 28B7 897C 293E 04F8 71EE 4697 F477 9EF6 F27F
uid                               Lars Balker Rasmussen <lbr@FreeBSD.org>
sub 2048g/A8C1CFD4 2006-04-30

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### 3.409. Chris Rees <crees@FreeBSD.org>

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pub 2048R/900F45A61E12E96A 2012-08-26
    Key fingerprint = 8C57 BE3B D320 5FFC C4C3 C0B0 900F 45A6 1E12 E96A
uid                               Chris Rees <crees@physics.org>
uid                               Chris Rees <crees@FreeBSD.org>
sub 2048R/A703CC3500749D52 2015-03-08 [expires: 2018-03-07]
sub 2048R/D589B12E85B13424 2015-03-08 [expires: 2018-03-07]

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3.410. Jim Rees <rees@FreeBSD.org>

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pub 512/B623C791 1995/02/21 Jim Rees <rees@umich.edu>
    Key fingerprint = 02 5F 1B 15 B4 6E F1 3E F1 C5 E0 1D EA CC 17 88

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Version: GnuPG v1.0.7 (OpenBSD)

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### 3.411. Michael Reifenberger <mr@FreeBSD.org>

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    Schl.-Fingerabdruck = 8695 9903 4744 6EF8 E18D 177C 335E 9D48 E27A 80A0
uid                               Michael Reifenberger <mr@freebsd.org>
uid                               Michael Reifenberger <mike@reifenberger.com>
sub 4096R/898AF56CFE7CD649 2013-11-04 [verfällt: 2018-11-03]
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### 3.412. Benedict Reuschling <bcr@FreeBSD.org>

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pub 4096R/839363043E38A971 2020-05-13 [expires: 2022-05-13]
Key fingerprint = 1EFD 33F4 E2EE E434 87AB E689 8393 6304 3E38 A971
uid Benedict Reuschling <bcr@freebsd.org>
sub 4096R/26C1FE83B48C84DF 2020-05-13 [expires: 2022-05-13]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.413. Matthew Rezny <rezny@FreeBSD.org>

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pub dsa3072/D7F6B112882540FA 2017-01-13 [C] [expires: 2020-01-13]
Key fingerprint = 4947 9C57 CA7B F407 315A B044 D7F6 B112 8825 40FA
uid Matthew Rezny <matthew@reztek.cz>
uid Matthew Rezny <rezny@FreeBSD.org>
sub ed25519/392D73E14CD1E072 2017-01-13 [S] [expires: 2020-01-13]
Key fingerprint = 1A3A 8489 7350 9733 6958 DF95 392D 73E1 4CD1 E072
sub cv25519/2F87DCF678C2A382 2017-01-13 [E] [expires: 2020-01-13]
Key fingerprint = F059 8C4B 464B 326B F5E0 8C13 2F87 DCF6 78C2 A382
sub ed25519/B2F994DE5C749B47 2017-01-13 [A] [expires: 2020-01-13]
Key fingerprint = 19DC 1C63 8E19 493A 04E1 6C7C B2F9 94DE 5C74 9B47
sub dsa3072/601A43D4114A3E43 2017-01-13 [S] [expires: 2020-01-13]
Key fingerprint = 4365 F343 F526 4E0D BBDD 0223 601A 43D4 114A 3E43
sub e1g4096/F7C6C2491321B0E1 2017-01-13 [E] [expires: 2020-01-13]
Key fingerprint = 018F BB4A 0A61 758F 3C40 1F7F F7C6 C249 1321 B0E1
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=nx/6
-----END PGP PUBLIC KEY BLOCK-----
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### 3.414. Tom Rhodes <trhodes@FreeBSD.org>

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pub 1024D/FB7D88E1 2008-05-07
Key fingerprint = 8279 3100 2DF2 F00E 7FDD AC2C 5776 23AB FB7D 88E1
uid Tom Rhodes (trhodes) <trhodes@FreeBSD.org>
sub 4096g/7B0CD79F 2008-05-07
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Version: GnuPG v2.0.9 (FreeBSD)
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.415. Benno Rice <[benno@FreeBSD.org](mailto:benno@FreeBSD.org)>

```
pub 4096R/2B378974 2014-03-18 [expires: 2024-03-15]
Key fingerprint = A9EE CFD4 5F9E 4F9B B2EB CDD2 4C06 467A 2B37 8974
uid [ unknown] keybase.io/benno <benno@keybase.io>
sub 4096R/F8C837FC 2014-03-18 [expires: 2024-03-15]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.416. Alex Richardson <[arichardson@FreeBSD.org](mailto:arichardson@FreeBSD.org)>

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pub   rsa2048/563FFE62ECD8909F 2017-10-30 [SC] [expires: 2020-10-29]
      Key fingerprint = 16F8 9773 5BBD 6555 867B BEE1 563F FE62 ECD8 909F
uid   Alex Richardson <arichardson@FreeBSD.org>
sub   rsa2048/D6CA03D027F6F6B5 2017-10-30 [E] [expires: 2020-10-29]

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2g==
=MONh
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.417. Beech Rintoul <[beech@FreeBSD.org](mailto:beech@FreeBSD.org)>

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pub   2048D/68DFAE1F 2013-02-26
      Key fingerprint = D58B 3E9D B0E3 E081 EC6F 69D9 CDA3 51DD 68DF AE1F
uid   Beech Rintoul <beech@freebsd.org>

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sub 2048g/960F45D9 2013-02-26
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.418. Matteo Riondato <matteo@FreeBSD.org>

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pub 1024D/1EC56BEC 2003-01-05 [expires: 2009-09-07]
Key fingerprint = F0F3 1B43 035D 65B1 08E9 4D66 D8CA 78A5 1EC5 6BEC
uid Matteo Riondato (Rionda) <matteo@FreeBSD.ORG>
uid Matteo Riondato (Rionda) <rionda@riondabsd.net>
uid Matteo Riondato (Rionda) <rionda@gufi.org>
uid Matteo Riondato (Rionda) <matteo@riondato.com>
uid Matteo Riondato (Rionda) <rionda@riondato.com>
uid Matteo Riondato (Rionda) <rionda@FreeSBIE.ORG>
uid Matteo Riondato (Rionda) <rionda@autistici.org>
sub 2048g/87C44A55 2008-09-23 [expires: 2009-09-23]
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**3.419. Ollivier Robert** <[roberto@FreeBSD.org](mailto:roberto@FreeBSD.org)>

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### 3.420. Craig Rodrigues <rodrigc@FreeBSD.org>

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pub      1024D/3998479D 2005-05-20
Key fingerprint = F01F EBE6 F5C8 6DC2 954F 098F D20A 8A2A 3998 479D
uid      Craig Rodrigues <rodrigc@freebsd.org>
uid      Craig Rodrigues <rodrigc@crodrigues.org>
sub      2048g/AA77E09B 2005-05-20

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### 3.421. Larry Rosenman <ler@FreeBSD.org>

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      Key fingerprint = 1E38 249D E761 5B3B C983 0573 697C 99B1 AB48 A77D
uid   Larry Rosenman <ler@FreeBSD.org>
uid   Larry Rosenman <ler@lerctr.org>
uid   Larry Rosenman <larryrtx@gmail.com>
uid   Larry Rosenman (WhereTo Senior Site Reliability Engineer)
      <larry@whereto.com>
uid   Larry Rosenman (IT Contractor) <lrosenman@spi-inc.org>
sub  rsa2048/FD0614DC2AD28ED9 2017-01-10 [E] [expires: 2022-09-06]
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### 3.422. Craig Leres <leres@FreeBSD.org>

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pub  rsa3072/50AEC5D1367B0F3E 2020-09-01 [SC] [expires: 2023-09-01]
      Key fingerprint = 6843 5145 F1B7 EF47 3289 D1B6 50AE C5D1 367B 0F3E
uid   Craig Leres <craigleres@gmail.com>
uid   Craig Leres <leres@freebsd.org>
uid   Craig Leres <leres@ee.lbl.gov>
uid   Craig Leres <caleres@lbl.gov>
uid   Craig Leres <leres@xse.com>
sub  rsa3072/D33160A8B63B31A2 2020-09-01 [E] [expires: 2023-09-01]
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### 3.423. Bartek Rutkowski <robak@FreeBSD.org>

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pub 4096R/280E1199 2013-06-17 [expires: 2017-06-17]
    Key fingerprint = D292 1363 AE61 D2BE 1740 9ED2 D99F C356 280E 1199
uid          Bartek Rutkowski <robak@freebsd.org>
uid          Bartek Rutkowski <contact@robakdesign.com>
uid          Bartek Rutkowski <r@robakdesign.com>
sub 4096R/36F01FFE 2013-06-17 [expires: 2017-06-17]
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Version: GnuPG/MacGPG2 v2.0.22 (Darwin)
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**3.424. Guido van Rooij** <[guido@FreeBSD.org](mailto:guido@FreeBSD.org)>

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### 3.425. Eygene Ryabinkin <rea@FreeBSD.org>

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pub 3072D/8152ECFB 2010-10-27
Key fingerprint = 82FE 06BC D497 C0DE 49EC 4FF0 16AF 9EAE 8152 ECFB
uid Eygene Ryabinkin <rea-fbsd@code-labs.ru>
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sub 3072g/5FC03749 2010-10-27
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### 3.426. Aleksandr Rybalko <ray@FreeBSD.org>

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pub 2048R/4B7B7A4E 2011-05-24
Key fingerprint = BB9F D01D 7327 0B33 B2F5 6C72 EC49 E6ED 4B7B 7A4E
uid Aleksandr Rybalko (Aleksandr Rybalko FreeBSD project identification)
<ray@freebsd.org>
sub 2048R/99F9F9EF 2011-05-24
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/RZ8js/ArM7fNqnHtGN4HgxHf5HEUJtQncYs1JNkFiUD6aYL3zsJAbcXcfyEwo6Y
Hpsn8hXuEYpAvZsa07E63Vdgyag1b8ELRBbYpranABEBAAGJAR8EGAECAAKFAK3b
+zACGwwACgkQ7Enm7Ut7ek5nnwf/V0kzZ9N92h8oes2ZWnuWbZewdp5p1AZmaj
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=Q1YE
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.427. Andrew Rybchenko <arybchik@FreeBSD.org>

```
pub 2048R/BB509584A3F4AEE6 2014-12-26 [expires: 2017-12-25]
    Key fingerprint = C2E0 7B36 3A25 75E5 75EB FF79 BB50 9584 A3F4 AEE6
uid Andrew Rybchenko <arybchenko@solarflare.com>
uid Andrew Rybchenko <arybchik@FreeBSD.org>
uid Andrew Rybchenko <Andrew.Rybchenko@oktetlabs.ru>
uid Andrew Rybchenko <arybchik@gmail.com>
sub 2048R/BB28B694A902C314 2014-12-26 [expires: 2017-12-25]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```



```
XgzVlqP2rbB/AKbMezWStEt4aPUTURt/hRWGTZPjx3zSggsNUc5IvdA4F6FXDHLn
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=J6zn
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.428. Niklas Saers <[niklas@FreeBSD.org](mailto:niklas@FreeBSD.org)>

```
pub 1024D/C822A476 2004-03-09 Niklas Saers <niklas@saers.com>
Key fingerprint = C41E F734 AF0E 3D21 7499 9EB1 9A31 2E7E C822 A476
sub 1024g/81E2FF36 2004-03-09
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGIBEBNxyoRBAC22NnMqcH1hXXkz+jC+U2QGz0JdGHZtLRXRDrpS4bLfTRgAf4ab
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-----END PGP PUBLIC KEY BLOCK-----
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**3.429. Lorenzo Salvatore <salvadore@FreeBSD.org>**

```
pub  rsa2048/4F61AC5186F9AC20 2019-12-25 [SC] [expires: 2022-12-24]
      Key fingerprint = 75F0 E0FE C914 D646 0498 CAD3 4F61 AC51 86F9 AC20
uid          Lorenzo Salvatore <salvadore@FreeBSD.org>
sub  rsa2048/A4A5DE173430F950 2019-12-25 [E] [expires: 2022-12-24]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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0w==
=Gi+v
-----END PGP PUBLIC KEY BLOCK-----
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**3.430. Boris Samorodov <bsam@FreeBSD.org>**

```
pub  rsa4096/960E20B03A3F6D28 2013-11-22 [SC] [expires: 2023-11-18]
      Key fingerprint = 8848 3672 3C1B C02B EA0B 5674 960E 20B0 3A3F 6D28
uid          Boris Samorodov <bsam@FreeBSD.org>
uid          Boris Samorodov <bsam@passap.ru>
sub  rsa4096/41BFAE676CF00B2D 2013-11-22 [E] [expires: 2023-11-18]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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3.431. Mark Santcroos <marks@FreeBSD.org>

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pub 1024D/DBE7EB8E 2005-03-08
Key fingerprint = C0F0 44F3 3F15 520F 6E32 186B BE0A BA42 DBE7 EB8E
uid Mark Santcroos <marks@ripe.net>
uid Mark Santcroos <mark@santcroos.net>
uid Mark Santcroos <marks@freebsd.org>
sub 2048g/FFF80F85 2005-03-08

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### 3.432. Alonso Schaich <[alonso@FreeBSD.org](mailto:alonso@FreeBSD.org)>

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pub 2048R/FF8F6B6D0AACFC67 2014-08-27 [expires: 2017-08-26]
    Key fingerprint = FED5 7BC8 DEB9 94D9 B52C 0A35 FF8F 6B6D 0AAC FC67
uid                               Alonso Schaich <alonso@freebsd.org>
sub 2048R/34F58C3CB680DE68 2014-08-27 [expires: 2017-08-26]

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### 3.433. Richard Scheffnegger <[rscheff@FreeBSD.org](mailto:rscheff@FreeBSD.org)>

```

pub ed25519/A6E8CCB956E86C29 2020-04-09 [SCA] [expires: 2025-04-09]
    Key fingerprint = 7D80 E0F3 B839 80F3 7746 D882 A6E8 CCB9 56E8 6C29
uid                               Richard Scheffnegger <rscheff@freebsd.org>

```



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sub cv25519/8E3D6702E25FF971 2020-04-09 [E] [expires: 2025-04-09]
```

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Zz6lLQQTfGgAPhYhBH2A4P040YDzd0bYgqbozLLW6GwpBQJevfmAhsjBQKJZ006
BQsJCAcCBhUKCQgLAGQWAgMBAh4BAheAAoJEKbozLLW6GwpS+4BAPCC+2FZcSep
YFbi7zdmSuTuyEy2Ft795Lw09/QmbwyeAPY3fHrS/LNDfaReUhlfVYMS/kVbvylN
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EaBAeMCqX5Ns2mgaPl6AwEIB4h+BBgWCAAmFiEEfYDg87g5gPN3RtiCpujMuVbo
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b/IN
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.434. Bernhard Schmidt <[bschmidt@FreeBSD.org](mailto:bschmidt@FreeBSD.org)>

```
pub 1024D/5F754FBC 2009-06-15
Key fingerprint = 6B87 C8A9 6BA5 6B18 11CF 8C38 A1B7 0731 5F75 4FBC
uid Bernhard Schmidt <bschmidt@FreeBSD.org>
uid Bernhard Schmidt <bschmidt@techwires.net>
sub 1024g/1945DC1D 2009-06-15
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.435. Wolfram Schneider <[wosch@FreeBSD.org](mailto:wosch@FreeBSD.org)>

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pub rsa4096/8159601B91151BAB 2017-07-17 [SC]
Key fingerprint = DA86 C439 E28D 0BA8 F032 BDC6 8159 601B 9115 1BAB
uid Wolfram Schneider <wosch@FreeBSD.org>
sub rsa4096/DD3A53A813820060 2017-07-17 [E]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.436. Ed Schouten <ed@FreeBSD.org>

```

pub 2048R/A407DC0D9F74246B 2016-03-03 [expires: 2021-03-02]
Key fingerprint = F8CB 2A43 4CCA AEE7 F0BF 64A7 A407 DC0D 9F74 246B
uid Ed Schouten (FreeBSD, https://freebsd.org/) <ed@freebsd.org>
uid Ed Schouten (Nuxi, https://nuxi.nl/) <ed@nuxi.nl>
sub 2048R/66C17FAB03333635 2016-03-03 [expires: 2021-03-02]

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=r8Rs
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.437. Cy Schubert <cy@FreeBSD.org>

```

pub 1024D/D8BFCD8E 2000-01-08
Key fingerprint = 8F40 99AC E9E3 7AB7 CB26 AF0C CC81 BA38 D8BF CD8E
uid Cy Schubert <Cy.Schubert@komquats.com>
uid Cy Schubert <cy@komquats.com>
uid Cy Schubert <cy@FreeBSD.org>
uid Cy Schubert <Cy.Schubert@cshubert.com>
uid Cy Schubert <cy@cshubert.com>
uid Cy Schubert <Cy.Schubert@vibsd.org>
uid Cy Schubert <cy@vibsd.org>
uid Cy Schubert <Cy.Schubert@vibsd.net>
uid Cy Schubert <cy@vibsd.net>
uid Cy Schubert <cy@nvertime.org>
sub 3072g/86D691BA 2000-01-08

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=FgUb
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.438. David Schultz <das@FreeBSD.org>

```
pub 1024D/BE848B57 2001-07-19 David Schultz <das@FreeBSD.ORG>
Key fingerprint = 0C12 797B A9CB 19D9 FDAF 2A39 2D76 A2DB BE84 8B57
uid David Schultz <dschultz@uclink.Berkeley.EDU>
uid David Schultz <das@FreeBSD.ORG>
sub 2048g/69206E8E 2001-07-19
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.439. Michael Scheidell <[scheidell@FreeBSD.org](mailto:scheidell@FreeBSD.org)>

```
pub 2048R/34622C1D 2011-11-16
Key fingerprint = 0A0C 9ECA 18EC 47AC C715 2187 91B9 F9FE 3462 2C1D
uid Michael Scheidell <scheidell@freebsd.org>
sub 2048R/8F241971 2011-11-16
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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**3.440. Jens Schweikhardt** <[schweikh@FreeBSD.org](mailto:schweikh@FreeBSD.org)>

```
pub 1024D/0FF231FD 2002-01-27 Jens Schweikhardt <schweikh@FreeBSD.org>
    Key fingerprint = 3F35 E705 F02F 35A1 A23E 330E 16FE EA33 0FF2 31FD
uid                               Jens Schweikhardt <schweikh@schweikhardt.net>
sub 1024g/6E93CACC 2002-01-27 [expires: 2005-01-26]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
```

**3.441. Matthew Seaman** <[matthew@FreeBSD.org](mailto:matthew@FreeBSD.org)>

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pub rsa4096/036F6C9EE7F39EBF 2013-09-29 [SC] [expires: 2021-04-23]
    Key fingerprint = 72CF AC21 79BC B024 B5B5 4590 036F 6C9E E7F3 9EBF
uid                               Matthew Seaman <m.seaman@infracaninophile.co.uk>
uid                               Matthew Seaman <matthew@freebsd.org>
uid                               Matthew Seaman <matthew.seaman@perspectum.com>
sub rsa4096/5D0DFEAF7BFB01B4 2013-09-29 [E] [expires: 2021-04-23]
sub rsa4096/BB23AF518E1A4013 2013-10-06 [S] [expires: 2021-04-23]
sub rsa4096/E527EC985DBEA0A8 2013-10-06 [E] [expires: 2021-04-23]
sub rsa4096/00513F10E0A9E4E7 2013-10-06 [S] [expires: 2021-04-23]
sub rsa4096/0AC81803C8520138 2013-10-06 [E] [expires: 2021-04-23]
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3.442. Thomas-Martin Seck <tmseck@FreeBSD.org>

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pub      1024D/DF46EE05 2000-11-22
Key fingerprint = A38F AE66 6B11 6EB9 5D1A B67D 2444 2FE1 DF46 EE05

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uid      Thomas-Martin Seck (Privat 2) <tmseck@netcologne.de>
uid      Thomas-Martin Seck (Privat) <tmseck@web.de>
uid      Thomas-Martin Seck (FreeBSD) <tmseck@FreeBSD.org>
sub      2048g/3DC33B0F 2000-11-22
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### 3.443. Stanislav Sedov <stas@FreeBSD.org>

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          Key fingerprint = 4C01 9D03 543E C623 3FF7 0D34 6D8E 4C9F 5617 EAFB
uid      Stanislav Sedov <stas@FreeBSD.org>
uid      Stanislav Sedov <stas@deglitch.com>
sub      2048R/55012891 2013-09-15 [expires: 2018-09-14]
sub      2048R/8E60582E 2013-09-15 [expires: 2018-09-14]
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### 3.444. Johannes Lundberg <johalun@FreeBSD.org>

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pub  rsa2048/EA12C703EFA379E9 2019-01-21 [SC] [expires: 2022-01-20]
     Key fingerprint = 93A4 33AF 441C 69C1 A76C F2D1 EA12 C703 EFA3 79E9
uid  Johannes Lundberg <johalun@FreeBSD.org>
sub  rsa2048/3CB8D2FC2F4505B3 2019-01-21 [E] [expires: 2022-01-20]

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### 3.445. Johan van Selst <johans@FreeBSD.org>

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uid Johan van Selst <johans@gletsjer.net>
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uid Johan van Selst <johans@FreeBSD.org>
uid Johan van Selst (GSwoT:NL50) <johans@gswot.org>
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### 3.446. Lev Serebryakov <lev@FreeBSD.org>

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### 3.447. Bakul Shah <bakul@FreeBSD.org>

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pub 1024D/86AEE4CB 2006-04-20
    Key fingerprint = 0389 26E8 381C 6980 AEC0 10A5 E540 A157 86AE E4CB
uid          Bakul Shah <bakul@freebsd.org>
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### 3.448. Gregory Neil Shapiro <gshapiro@FreeBSD.org>

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pub 4096R/7B529648EE857264 2017-08-27 [expires: 2021-08-25]
    Key fingerprint = 296C 94DB D028 0245 BFD3 91D7 7B52 9648 EE85 7264
uid          Gregory Neil Shapiro <gshapiro@gshapiro.net>
uid          Gregory Neil Shapiro <gshapiro@FreeBSD.org>
uid          Gregory Neil Shapiro <gshapiro@sendmail.org>
sub 4096R/E06797B94ECB7FF3 2017-08-27 [expires: 2021-08-25]
sub 4096R/389DBDBF7CB42F23 2017-08-27 [expires: 2021-08-25]

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**3.449. Arun Sharma** <arun@FreeBSD.org>

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pub 1024D/7D112181 2003-03-06 Arun Sharma <arun@sharma-home.net>
    Key fingerprint = A074 41D6 8537 C7D5 070E 0F78 0247 1AE2 7D11 2181
uid                               Arun Sharma <arun@freebsd.org>
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**3.450. Wesley Shields** <wxs@FreeBSD.org>

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pub 1024D/17F0AA37 2007-12-27
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### 3.451. Norikatsu Shigemura <nork@FreeBSD.org>

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pub 1024D/7104EA4E 2005-02-14
Key fingerprint = 9580 60A3 B58A 0864 79CB 779A 6FAE 229B 7104 EA4E
uid Norikatsu Shigemura <nork@cityfujisawa.ne.jp>
uid Norikatsu Shigemura <nork@ninth-nine.com>
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### 3.452. Shteryana Shopova <[syrinx@FreeBSD.org](mailto:syrinx@FreeBSD.org)>

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      Key fingerprint = 553E E193 4023 FBDC A362 27DF 7E9F 44B7 3504 7F7A
uid   Shteryana Sotirova Shopova <syrinx@FreeBSD.org>
uid   Shteryana Sotirova Shopova <shteryana@FreeBSD.org>
uid   Shteryana Sotirova Shopova <shteryana@gmail.com>
uid   Shteryana Sotirova Shopova <shteryana@protonmail.ch>
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-----END PGP PUBLIC KEY BLOCK-----
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**3.453. Vanilla I. Shu <vanilla@FreeBSD.org>**

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pub 1024D/ACE75853 2001-11-20 Vanilla I. Shu <vanilla@FreeBSD.org>
    Key fingerprint = 290F 9DB8 42A3 6257 5D9A 5585 B25A 909E ACE7 5853
sub 1024g/CE695D0E 2001-11-20
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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**3.454. Ashish SHUKLA <ashish@FreeBSD.org>**

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pub rsa4096/C746CFA9E74FA4B0 2010-04-13 [SC] [expires: 2021-07-22]
    Key fingerprint = F682 CDCC 0FEA E116 20B6 C746 CFA9 E74F A4B0
uid Ashish SHUKLA (Lost Case) <ashish.is@lostca.se>
uid Ashish SHUKLA <wahjava@gmail.com>
uid Ashish SHUKLA <wahjava@googlemail.com>
uid Ashish SHUKLA <wahjava.ml@gmail.com>
uid Ashish SHUKLA <wahjava@members.fsf.org>
uid Ashish SHUKLA <wahjava@users.sourceforge.net>
uid Ashish SHUKLA <wah.java@yahoo.com>
uid Ashish SHUKLA <wah_java@hotmail.com>
uid Ashish SHUKLA <wahjava@member.fsf.org>
uid Ashish SHUKLA (FreeBSD Committer Address)
uid <ashish@FreeBSD.ORG>
uid Ashish SHUKLA (Work Address) <ashish@automatic.com>
uid Ashish SHUKLA (Lost Case) <abbe@lostca.se>
uid Ashish SHUKLA (Personal Email) <ashish@members.fsf.org>
uid [jpeg image of size 4655]
uid Ashish SHUKLA <ashish@INET6.IN>
sub rsa4096/975CA8A8F20D202D 2010-04-13 [E]
    Key fingerprint = A385 4E69 D459 F735 5136 6948 975C A8A8 F20D 202D
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### 3.455. Chuck Silvers <chs@FreeBSD.org>

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pub   rsa2048/97DEFCD0A09C580D1 2019-06-26 [SC] [expires: 2022-06-25]
      Key fingerprint = 5DB8 6361 8B57 F913 E501 1A5E 97DE FCDA 09C5 80D1
uid   [email] Chuck Silvers (FreeBSD) <chs@freebsd.org>
uid   [email] Chuck Silvers <chuq@chuq.com>
uid   [email] Chuck Silvers (NetBSD) <chs@netbsd.org>
sub   rsa2048/12A909DC19E973BF 2019-06-26 [E] [expires: 2022-06-25]
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### 3.456. Bruce M. Simpson <bms@FreeBSD.org>

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pub  rsa2048/A13D3DEBC5A2D20E 2016-12-15 [SC] [expires: 2018-12-15]
      Key fingerprint = 15FD 4752 7CA4 B63C C448 B7E6 A13D 3DEB C5A2 D20E
uid      Bruce Simpson <bms@fastmail.net>
sub  rsa2048/0EBB7A6A17B2442E 2016-12-15 [A] [expires: 2018-12-15]
sub  rsa2048/5504FF6BB948E993 2016-12-15 [E] [expires: 2018-12-15]

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### 3.457. Dmitry Sivachenko <demon@FreeBSD.org>

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pub 1024D/13D5DF80 2002-03-18 Dmitry Sivachenko <mitya@cavia.pp.ru>
Key fingerprint = 72A9 12C9 BB02 46D4 4B13 E5FE 1194 9963 13D5 DF80
uid Dmitry S. Sivachenko <demon@FreeBSD.org>
sub 1024g/060F6DBD 2002-03-18

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.458. Jesper Skriver <jesper@FreeBSD.org>

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pub 1024D/F9561C31 2001-03-09 Jesper Skriver <jesper@FreeBSD.org>
Key fingerprint = 6B88 9CE8 66E9 E631 C9C5 5EB4 22AB F0EC F956 1C31
uid Jesper Skriver <jesper@skriver.dk>
uid Jesper Skriver <jesper@wheel.dk>
sub 1024g/777C378C 2001-03-09

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Version: GnuPG v1.0.6 (FreeBSD)

Comment: For info see <http://www.gnupg.org>

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### 3.459. Ville Skyttä <[scop@FreeBSD.org](mailto:scop@FreeBSD.org)>

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pub 1024D/BCD241CB 2002-04-07 Ville Skyttä <ville.skytta@iki.fi>
    Key fingerprint = 4E0D EBAB 3106 F1FA 3FA9 B875 D98C D635 BCD2 41CB
uid                               Ville Skyttä <ville.skytta@xemacs.org>
uid                               Ville Skyttä <scop@FreeBSD.org>
sub 2048g/9426F4D1 2002-04-07

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Version: GnuPG v1.0.7 (GNU/Linux)

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.460. Andrey Slusar <[anray@FreeBSD.org](mailto:anray@FreeBSD.org)>

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pub 1024D/AE7B5418 2005-12-12
    Key fingerprint = DE70 C24B 55A0 4A06 68A1 D425 3C59 9A9B AE7B 5418
uid                               Andrey Slusar <anray@ext.by>
uid                               Andrey Slusar <anrays@gmail.com>
uid                               Andrey Slusar <anray@FreeBSD.org>
sub 2048g/7D0EB77D 2005-12-12

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3.461. Florian Smeets <flo@FreeBSD.org>

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pub  rsa4096/EF5BA4DCD5A9F3C0 2018-01-31 [SC] [expires: 2022-01-31]
      Key fingerprint = ECB3 68B8 7908 BFB6 914D 7269 EF5B A4DC D5A9 F3C0
uid   Florian Smeets <flo@smeets.xyz>
uid   Florian Smeets <flo@FreeBSD.org>
sub   rsa4096/D46EC80E1D10DEF6 2018-01-31 [E] [expires: 2022-01-31]
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### 3.462. Gleb Smirnov <glebius@FreeBSD.org>

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pub 2048D/6C7E5E82 2013-01-30 [expires: 2023-08-25]
Key fingerprint = 6E06 7260 B83D CF2C A93C 566F 5185 0968 6C7E 5E82
uid Gleb Smirnov <glebius@FreeBSD.org>
sub 2048g/11E89DCE 2013-01-30 [expires: 2023-08-25]
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-----END PGP PUBLIC KEY BLOCK-----

3.463. Ken Smith <kensmith@FreeBSD.org>

pub 1024D/29AEA7F6 2003-12-02 Ken Smith <kensmith@cse.buffalo.edu>
Key fingerprint = 4AB7 D302 0753 8215 31E7 F1AD FC6D 7855 29AE A7F6
uid Ken Smith <kensmith@freebsd.org>
sub 1024g/0D509C6C 2003-12-02

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### 3.464. Ben Smithurst <[ben@FreeBSD.org](mailto:ben@FreeBSD.org)>

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pub 1024D/2CEF442C 2001-07-11 Ben Smithurst <ben@LSRfm.com>
Key fingerprint = 355D 0FFF B83A 90A9 D648 E409 6CFC C9FB 2CEF 442C
uid Ben Smithurst <ben@vinosystems.com>
uid Ben Smithurst <ben@smithurst.org>
uid Ben Smithurst <ben@FreeBSD.org>
uid Ben Smithurst <csxbsc@comp.leeds.ac.uk>
uid Ben Smithurst <ben@scientia.demon.co.uk>
sub 1024g/347071FF 2001-07-11
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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see <http://www.gnupg.org>

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### 3.465. Dag-Erling Smørgrav <des@FreeBSD.org>

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pub 4096R/92C843456DA6A66E 2013-09-24 [expires: 2021-01-01]
    Key fingerprint = BB57 22E5 C9B6 77D1 73C3 8CFC 92C8 4345 6DA6 A66E
uid Dag-Erling Smørgrav <des@des.no>
uid Dag-Erling Smørgrav <des@freebsd.org>
uid Dag-Erling Smørgrav <des@des.dev>
sub 4096R/9B90A1FCF8FBEC80 2013-09-24 [expires: 2021-01-01]
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### 3.466. Maxim Sobolev <[sobomax@FreeBSD.org](mailto:sobomax@FreeBSD.org)>

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pub  rsa2048/2C6191C1AA88C0E4 2016-08-18 [SC]
      Key fingerprint = 413E 9D39 CAB6 F596 938A FD36 2C61 91C1 AA88 C0E4
uid  Maxim Sobolyev <sobomax@FreeBSD.org>
sub  rsa2048/6488FC11696D8A2E 2016-08-18 [E]
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### 3.467. Alan Somers <[asomers@FreeBSD.org](mailto:asomers@FreeBSD.org)>

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pub  rsa4096/5F7463BCDA05FCE8 2013-04-25 [SC] [expires: 2023-04-20]
      Key fingerprint = 9CD4 C982 738F 8B90 25E8 E6B3 5F74 63BC DA05 FCE8
uid  Alan Somers <asomers@gmail.com>
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sub  rsa4096/1C1569DC4E121B3E 2013-04-25 [E] [expires: 2023-04-20]
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=/+wR  
-----END PGP PUBLIC KEY BLOCK-----
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### 3.468. Brian Somers <brian@FreeBSD.org>

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pub 1024R/666A7421 1997-04-30 Brian Somers <brian@freebsd-services.com>  
Key fingerprint = 2D 91 BD C2 94 2C 46 8F 8F 09 C4 FC AD 12 3B 21  
uid Brian Somers <brian@awfulhak.org>  
uid Brian Somers <brian@FreeBSD.org>  
uid Brian Somers <brian@OpenBSD.org>  
uid Brian Somers <brian@uk.FreeBSD.org>  
uid Brian Somers <brian@uk.OpenBSD.org>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----  
Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see http://www.gnupg.org
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=g4uu
-----END PGP PUBLIC KEY BLOCK-----

```

3.469. Stacey Son <sson@FreeBSD.org>

```

pub 1024D/CE8319F3 2008-07-08
Key fingerprint = 64C7 8D92 C1DF B940 1171 5ED3 186A 758A CE83 19F3

```

```
uid          Stacey Son <sson@FreeBSD.org>
uid          Stacey Son <stacey@son.org>
uid          Stacey Son <sson@byu.net>
uid          Stacey Son <sson@secure.net>
uid          Stacey Son <sson@dev-random.com>
sub 2048g/0F724E52 2008-07-08
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.470. Nicolas Souchu <nsouch@FreeBSD.org>

```
pub 1024D/C744F18B 2002-02-13 Nicholas Souchu <nsouch@freebsd.org>
Key fingerprint = 992A 144F AC0F 40BA 55AE DE6D 752D 0A6C C744 F18B
sub 1024g/90BD3231 2002-02-13
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: Pour information voir http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.471. Suleiman Souhlal <[ssouhlal@FreeBSD.org](mailto:ssouhlal@FreeBSD.org)>

```
pub 1024D/2EA50469 2004-07-24 Suleiman Souhlal <ssouhlal@FreeBSD.org>
Key fingerprint = DACF 89DB 54C7 DA1D 37AF 9A94 EB55 E272 2EA5 0469
sub 2048g/0CDCC535 2004-07-24
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### 3.472. Toomas Soome <[tsoome@FreeBSD.org](mailto:tsoome@FreeBSD.org)>

```
pub rsa2048/2122152BF3A02E04 2016-08-12 [SC] [expires: 2019-08-12]
Key fingerprint = F124 FC08 9CA4 2331 5715 AB6D 2122 152B F3A0 2E04
uid Toomas Soome <tsoome@FreeBSD.org>
sub rsa2048/E8EDE9371F445697 2016-08-12 [E] [expires: 2019-08-12]
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=yI81
-----END PGP PUBLIC KEY BLOCK-----
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### 3.473. Luiz Otavio O Souza <Loos@FreeBSD.org>

```
pub 2048R/39165690 2013-07-03
    Key fingerprint = ABC9 71D9 016E 8D4A 936D D748 6252 872F 3916 5690
uid          Luiz Otavio O Souza <loos.br@gmail.com>
uid          Luiz Otavio O Souza <loos@freebsd.org>
sub 2048R/9D089395 2013-07-03
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.474. Bernard Spil <[brnrd@FreeBSD.org](mailto:brnrd@FreeBSD.org)>

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pub 4096R/30C614DDDD542A0 2016-06-08 [expires: 2026-06-06]
Key fingerprint = 53CD 858B 6933 3369 CF82 E180 30C6 14DD DDF5 42A0
uid Bernard Spil <brnrd@brnrd.eu>
uid Bernard Spil <brnrd@FreeBSD.org>
sub 4096R/573328B91C62FD46 2016-06-08 [expires: 2026-06-06]
sub 4096R/E1CF76D8A91D14FE 2019-06-19 [expires: 2022-06-18]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.475. Ulrich Spörlein <uqs@FreeBSD.org>

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### 3.476. Rink Springer <rink@FreeBSD.org>

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uid  Rink Springer <rink@il.fontys.nl>
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### 3.477. Vsevolod Stakhov <[vsevolod@FreeBSD.org](mailto:vsevolod@FreeBSD.org)>

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### 3.478. Piotr Paweł Stefaniak <pstef@FreeBSD.org>

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pub  rsa2048/4A792AC1C54BEE59 2016-12-18 [SC]
     Key fingerprint = 95A2 CD66 E969 FD07 0741 1D8A 4A79 2AC1 C54B EE59
uid          Piotr Stefaniak <pstef@freebsd.org>
sub  rsa2048/8B3EEDA9D727E357 2016-12-18 [E]
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### 3.479. Ryan Steinmetz <zi@FreeBSD.org>

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pub 2048R/1EF8BA6BD02846D7 2014-02-03 [expires: 2019-02-02]
Key fingerprint = 9079 51A3 34EF 0CD4 F228 EDC6 1EF8 BA6B D028 46D7
uid Ryan Steinmetz <zi@zi0r.com>
uid Ryan Steinmetz <rsteinme@cisco.com>
uid Ryan Steinmetz <zi@FreeBSD.org>
sub 2048R/A8A08AA9D827E5F8 2014-02-03 [expires: 2019-02-02]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.480. Lawrence Stewart <lstewart@FreeBSD.org>

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pub 4096R/9A50BCFCF40D9B09 2014-05-08 [expires: 2024-05-05]
Key fingerprint = 8FB2 E9A3 39EA 78A1 5E1D B8A2 9A50 BCFC F40D 9B09
uid Lawrence A. Stewart <lstewart@freebsd.org>
uid Lawrence A. Stewart <lawrencestewart@gmail.com>
uid Lawrence A. Stewart <lstewart@netflix.com>
uid Lawrence A. Stewart <lstewart@room52.net>
sub 4096R/ACCB4CCFAB4EDC2D 2014-05-08 [expires: 2024-05-05]
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### 3.481. Randall R. Stewart <rrs@FreeBSD.org>

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pub 2048R/71D3BF532B7BEF39 2015-04-27 [expires: 2018-04-26]
    Key fingerprint = 835D A1ED 279B E300 175A 5BAA 71D3 BF53 2B7B EF39
uid                               Randall Stewart <rrs@freebsd.org>
sub 2048R/1C2A8AA80F55CAEB 2015-04-27 [expires: 2018-04-26]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.482. Murray Stokely <murray@FreeBSD.org>

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pub 1024D/0E451F7D 2001-02-12 Murray Stokely <murray@freebsd.org>
Key fingerprint = E2CA 411D DD44 53FD BB4B 3CB5 B4D7 10A2 0E45 1F7D
sub 1024g/965A770C 2001-02-12
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Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.483. Volker Stolz <vs@FreeBSD.org>

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pub 1024R/3FD1B6B5 1998-06-16 Volker Stolz <vs@freebsd.org>
Key fingerprint = 69 6F BD A0 2E FE 19 66 CF B9 68 6E 41 7D F9 B9
uid Volker Stolz <stolz@i2.informatik.rwth-aachen.de> (LSK)
uid Volker Stolz <vs@foldr.org>
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      Key fingerprint = 68FE 9892 6CE5 73A6 71BA B0C2 28A3 D46F 1893 B342
uid  Ryan Stone <rstone@FreeBSD.org>
sub  rsa2048/CFBA4601326C45F8 2017-07-20 [E] [expires: 2020-07-19]

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**3.485. Søren Straarup** <xride@FreeBSD.org>

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pub 1024D/E683AD40 2006-09-28
    Key fingerprint = 8A0E 7E57 144B BC25 24A9 EC1A 0DBC 3408 E683 AD40
uid                               Soeren Straarup <xride@xride.dk>
uid                               Soeren Straarup <xride@FreeBSD.org>
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sub 2048g/2B18B3B8 2006-09-28
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-----END PGP PUBLIC KEY BLOCK-----
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**3.486. Marius Strobl** <marius@FreeBSD.org>

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    Key fingerprint = 53D9 B435 5F95 980F C5D7 6B02 20B7 0DE1 3F1D 1E4F
uid                               Marius Strobl <marius@FreeBSD.org>
uid                               Marius Strobl <marius@alchemy.franken.de>
sub 4096R/862A3771EFEA91B6 2013-09-26
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### 3.487. Carlo Strub <cs@FreeBSD.org>

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     Key fingerprint = 3626 000C 0372 A78C 5DD7 B096 34EF 3FF3 3C29 811A
uid  Carlo Strub <cs@carlostrub.ch>
sub  rsa4096/6532CB666A0E2F2E 2017-12-21 [E] [expires: 2020-12-31]
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### 3.488. Cheng-Lung Sung <[clsung@FreeBSD.org](mailto:clsung@FreeBSD.org)>

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pub 1024D/956E8BC1 2003-09-12 Cheng-Lung Sung <clsung@FreeBSD.org>
    Key fingerprint = E0BC 57F9 F44B 46C6 DB53 8462 F807 89F3 956E 8BC1
uid Cheng-Lung Sung (Software Engineer) <clsung@dragon2.net>
uid Cheng-Lung Sung (Alumnus of CSIE, NCTU, Taiwan)
    <clsung@sungsung.csie.nctu.edu.tw>
uid Cheng-Lung Sung (AlanSung) <clsung@tiger2.net>
uid Cheng-Lung Sung (FreeBSD@Taiwan)
    <clsung@freebsd.csie.nctu.edu.tw>
uid Cheng-Lung Sung (Ph.D. Student of NTU.EECS)
    <d92921016@ntu.edu.tw>
uid Cheng-Lung Sung (FreeBSD Freshman) <clsung@tw.freebsd.org>
uid Cheng-Lung Sung (ports committer) <clsung@FreeBSD.org>
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### 3.489. Gregory Sutter <[gsutter@FreeBSD.org](mailto:gsutter@FreeBSD.org)>

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pub 1024D/845DFEDD 2000-10-10 Gregory S. Sutter <gsutter@zer0.org>
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uid Gregory S. Sutter <gsutter@daemonnews.org>
uid Gregory S. Sutter <gsutter@pobox.com>
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### 3.490. Koichi Suzuki <metal@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

### 3.491. Ryusuke SUZUKI <ryusuke@FreeBSD.org>

```
pub rsa2048/2630ECE1F275CA22 2016-12-25 [SC] [expires: 2019-12-25]
Key fingerprint = DE5F 8C81 BEB6 81F9 6180 0979 2630 ECE1 F275 CA22
uid Ryusuke SUZUKI <ryusuke@FreeBSD.org>
sub rsa2048/A296632D2F77A633 2016-12-25 [E] [expires: 2019-12-25]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.492. Gary W. Swearingen <garys@FreeBSD.org>

```

pub 1024D/FAA48AD5 2005-08-22 [expires: 2007-08-22]
    Key fingerprint = 8292 CC3E 81B5 E54F E3DD F987 FA52 E643 FAA4 8AD5
uid          Gary W. Swearingen <garys@freebsd.org>
sub 2048g/E34C3CA0 2005-08-22 [expires: 2007-08-22]

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.493. Hiroki Tagato <tagattie@FreeBSD.org>

```
pub  rsa2048/22762A61D51D4A35 2020-04-09 [SC] [expires: 2023-04-09]
     Key fingerprint = 501F 2DEC D705 D915 CFCC 92B6 2276 2A61 D51D 4A35
uid  Hiroki Tagato <tagattie@FreeBSD.org>
uid  Hiroki Tagato <tagattie@yandex.com>
sub  rsa2048/B50E96F3D30AABB3 2020-04-09 [E] [expires: 2023-04-09]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.494. Yoshihiro Takahashi <nyan@FreeBSD.org>

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pub  4096R/6624859E 2012-11-18
     Key fingerprint = 1CA5 445E 7ABD BC21 AEC0 7B89 47D7 4EFF 6624 859E
uid  Yoshihiro TAKAHASHI <nyan@furiru.org>
uid  Yoshihiro TAKAHASHI <nyan@FreeBSD.org>
uid  Yoshihiro TAKAHASHI <nyan@jp.FreeBSD.org>
sub  4096R/362726EA 2012-11-18
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.495. Sahil Tandon <sahil@FreeBSD.org>

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pub 2048R/C016D977 2010-04-08
Key fingerprint = 6AD2 BA99 8E3A 8DA6 DFC1 53CF DBD0 6001 C016 D977
uid Sahil Tandon <sahil@tandon.net>
uid Sahil Tandon <sahil@FreeBSD.org>
sub 2048R/F7776FBC 2010-04-08
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### 3.496. TAKATSU Tomonari <tota@FreeBSD.org>

```
pub 1024D/67F58F29 2009-05-17
Key fingerprint = 6940 B575 FC4A FA26 C094 279A 4B9B 6326 67F5 8F29
uid TAKATSU Tomonari <tota@FreeBSD.org>
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sub 2048g/18B112CD 2009-05-17
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### 3.497. Romain Tartière <[romain@FreeBSD.org](mailto:romain@FreeBSD.org)>

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pub 3072R/5112336F 2010-04-09
Key fingerprint = 8234 9A78 E7C0 B807 0B59 80FF BA4D 1D95 5112 336F
uid Romain Tartière <romain@blogreen.org>
uid Romain Tartière (FreeBSD) <romain@FreeBSD.org>
sub 3072R/C1B2B656 2010-04-09
sub 3072R/8F8125F4 2010-04-09
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.498. Sylvio Cesar Teixeira <sylvio@FreeBSD.org>

```

pub 2048R/AA7395A1 2009-10-28
Key fingerprint = B319 6AAF 0016 4308 6D93 E652 3C5F 21A2 AA73 95A1
uid Sylvio Cesar Teixeira (My key) <sylvio@FreeBSD.org>
sub 2048R/F758F556 2009-10-28

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQENBERoxHYBCAD8d4HA1tGibcHppj0TeiQ7+yclqvB8bzWazJf10eHwHcY+Rt46
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```



```
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### 3.499. Devin Teske <dteske@FreeBSD.org>

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pub  rsa2048/0930FAC9E5C7A63B 2018-07-06 [SC] [expires: 2021-07-05]
     Key fingerprint = D5D1 66F2 805C A20E 35BF E5F7 0930 FAC9 E5C7 A63B
uid  Devlin Teske <dteske@FreeBSD.org>
sub  rsa2048/E2AC40AB090CD953 2018-07-06 [E] [expires: 2021-07-05]
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-----END PGP PUBLIC KEY BLOCK-----
```



**3.500. Ion-Mihai Tetcu** <[itetcu@FreeBSD.org](mailto:itetcu@FreeBSD.org)>

```
pub 4096R/29597D20 2013-05-02
   Key fingerprint = AB6F 39B6 605D E6B7 0D54 ED3D BCA2 129A 2959 7D20
uid                               Ion-Mihai Tetcu (FreeBSD Committer key) <itetcu@FreeBSD.org>
sub 4096R/EC9E17E3 2013-05-02
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.501. Mikhail Teterin** <[mi@FreeBSD.org](mailto:mi@FreeBSD.org)>

```
pub 1024R/3FC71479 1995-09-08 Mikhail Teterin <mi@aldan.star89.galstar.com>
   Key fingerprint = 5F 15 EA 78 A5 40 6A 0F 14 D7 D9 EA 6E 2B DA A4
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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```

### 3.502. Gordon Tetlow <[gordon@FreeBSD.org](mailto:gordon@FreeBSD.org)>

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pub   dsal024/46EDADF4357D65FB 2002-05-14 [SC]
      Key fingerprint = 34EF AD12 10AF 560E C3AE CE55 46ED ADF4 357D 65FB
uid   Gordon Tetlow <gordon@tetlows.org>
uid   Gordon Tetlow <gordon@FreeBSD.org>
sub   rsa2048/0C1612E28AC09A31 2015-01-12 [E] [expires: 2019-01-12]

pub   rsa2048/E5F7BCCBA3BDDDF8 2016-04-23 [SC] [expires: 2021-04-22]
      Key fingerprint = BB28 D40B 360E EE93 6AED 156F E5F7 BCCB A3BD DDF8
uid   Gordon Tetlow <gordon@FreeBSD.org>
uid   Gordon Tetlow <gordon@tetlows.org>
sub   rsa2048/62B06BA80727E1FA 2016-04-23 [E] [expires: 2021-04-22]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.503. Lars Thegler <lth@FreeBSD.org>

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pub 1024D/56B0CA08 2004-05-31 Lars Thegler <lth@FreeBSD.org>
    Key fingerprint = AB AE F9 8C EA 78 1C 8D 6F DD CB 27 1C A9 5A 63 56 B0 CA 08
uid                               Lars Thegler <lars@thegler.dk>
sub 1024g/E8C58EF3 2004-05-31
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=0YqV
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.504. Jase Thew <jase@FreeBSD.org>

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pub 4096R/0x5C3210C83F9B9617 2013-09-24 [expires: 2018-09-23]
    Key fingerprint = 4841 00F3 CDF2 272C 965B F90A 5C32 10C8 3F9B 9617
uid                               [ultimate] Jase Thew <jase@FreeBSD.org>
uid                               [ultimate] Jase Thew <freebsd@beardz.net>
uid                               [ultimate] Jase Thew <jase.thew@googlemail.com>
sub 4096R/0x727970D29B509783 2013-09-24 [expires: 2018-09-23]
sub 4096R/0xD4E65C8BFF1C3829 2013-09-24 [expires: 2018-09-23]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.505. David Thiel <lx@FreeBSD.org>

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pub  ed25519/2E0753DFB9CBB1C3 2016-05-25 [SC] [expires: 2021-05-24]  
    Key fingerprint = 66F7 D26A D90F 308D 20A5 3697 2E07 53DF B9CB B1C3  
uid  David Thiel <lx@grumplicio.us>  
uid  David Thiel <lx@redundancy.redundancy.org>  
uid  David Thiel (FreeBSD) <lx@FreeBSD.org>  
sub  cv25519/21A4CBD84B31AAD6 2016-05-25 [E] [expires: 2021-05-24]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.506. Fabien Thomas <fabient@FreeBSD.org>

```
pub  1024D/07745930 2009-03-16  
    Key fingerprint = D8AC EFA2 2FBD 7788 9628 4E8D 3F35 3B88 0774 5930  
uid  Fabien Thomas <fabient@FreeBSD.org>  
sub  2048g/BC173395 2009-03-16
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.507. Thierry Thomas <thierry@FreeBSD.org>

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pub 4096R/F1C516B3C8359753 2013-09-23 [expires: 2020-10-05]
uid [ultimate] Thierry Thomas <thierry@pompo.net>
uid [ultimate] Thierry Thomas <thierry@FreeBSD.org>
uid [ultimate] [jpeg image of size 1968]
uid [ultimate] keybase.io/thierry <thierry@keybase.io>
sub 4096R/32B32808E6B52F4F 2013-09-23 [expires: 2020-10-05]
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**3.508. Andrew Thompson <thompsa@FreeBSD.org>**

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### 3.510. Jilles Tjoelker <jilles@FreeBSD.org>

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### 3.511. Ganbold Tsagaankhuu <ganbold@FreeBSD.org>

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**3.512. Michael Tuexen** <tuexen@FreeBSD.org>

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uid                               Michael Tuexen <tuexen@FreeBSD.org>
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u20CE6YkLNJz9kSqsSygcMDI8vKoPU8cqDvvyohJBBGRAGAJBQJKLpytAhsMAAJ
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AOE2UIkbgv==
=adk0
-----END PGP PUBLIC KEY BLOCK-----
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**3.513. Andrew Turner** <andrew@FreeBSD.org>

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pub rsa4096/C8347170347FF19F 2018-02-14 [SC] [expires: 2022-02-14]
    Key fingerprint = 251E 4651 0A91 D459 6565 F149 C834 7170 347F F19F
uid                               Andrew Turner <andrew@freebsd.org>
uid                               Andrew Turner <andrew@fubar.geek.nz>
sub rsa4096/9251B5093178715D 2018-02-14 [E] [expires: 2022-02-14]
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```



```

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.514. Oleksandr Tymoshenko <[gonzo@FreeBSD.org](mailto:gonzo@FreeBSD.org)>

```
pub 2048R/E84FC1018C87C180 2014-01-08 [expires: 2025-11-03]
    Key fingerprint = 4FE9 153B 126D A491 294D 012F E84F C101 8C87 C180
uid                                Oleksandr Tymoshenko (FreeBSD) <gonzo@freebsd.org>
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

### 3.515. Hajimu UMEMOTO <ume@FreeBSD.org>

```
pub 1024D/BF9071FE 2005-03-17
    Key fingerprint = 1F00 0B9E 2164 70FC 6DC5 BF5F 04E9 F086 BF90 71FE
uid                                Hajimu UMEMOTO <ume@mahoroba.org>
uid                                Hajimu UMEMOTO <ume@FreeBSD.org>
uid                                Hajimu UMEMOTO <ume@jp.FreeBSD.org>
sub 2048g/748DB3B0 2005-03-17
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.516. Jason Unovitch <junovitch@FreeBSD.org>

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pub  rsa2048/6FD49C30161CAA6E 2015-07-27 [expires: 2018-07-26]
      Key fingerprint = 45DF 5459 93BB E377 93CA CDEE 6FD4 9C30 161C AA6E
uid          Jason Unovitch <jason.unovitch@gmail.com>
uid          Jason Unovitch <junovitch@FreeBSD.org>
sub  rsa2048/74E32D39F55621C5 2015-07-27 [expires: 2018-07-26]
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**3.517. Stephan Uphoff** <[ups@FreeBSD.org](mailto:ups@FreeBSD.org)>

```
pub 2048R/D684B04A 2004-10-06 Stephan Uphoff <ups@freebsd.org>
    Key fingerprint = B5D2 04AE CA8F 7055 7474 3C85 F908 7F55 D684 B04A
uid                                     Stephan Uphoff <ups@tree.com>
sub 2048R/A15F921B 2004-10-06
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-----END PGP PUBLIC KEY BLOCK-----
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**3.518. Fedor Uporov** <[fsu@FreeBSD.org](mailto:fsu@FreeBSD.org)>

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pub rsa2048/B362AE935D4B5F4E 2017-08-30 [SC] [expires: 2020-08-29]
    Key fingerprint = C934 4E2E 0FCE 2239 8BAA 6AB0 B362 AE93 5D4B 5F4E
uid                                     Fedor Uporov (FreeBSD committer's key) <fsu@freebsd.org>
uid                                     Fedor Uporov (FreeBSD committer's key)
    <thisisadrgreenthumb@gmail.com>
sub rsa2048/5F01AC3D1449F4AC 2017-08-30 [E] [expires: 2020-08-29]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.519. Mikaël Urankar <mikael@FreeBSD.org>

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pub  rsa4096/E4CFC082DFAECA02 2020-01-17 [SC] [expires: 2023-01-16]
      Key fingerprint = 7C9E DE43 4A0F 0F86 3F16 BD6A E4CF C082 DFAE CA02
uid   Mikaël Urankar <mikael@freebsd.org>
sub   rsa4096/555A24081988D996 2020-01-17 [E] [expires: 2023-01-16]
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### 3.520. Imre Vadasz <[ivadasz@FreeBSD.org](mailto:ivadasz@FreeBSD.org)>

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pub   rsa2048/23A9AA6012EDAE08 2016-07-24 [SC] [expires: 2019-07-24]
      Key fingerprint = 6F1C ABFD E524 BAE1 ADEE 557A 23A9 AA60 12ED AE08
uid   [email] Imre Vadász <ivadasz@freebsd.org>
uid   [email] Imre Vadász <imrevdsz.com>
uid   [email] Imre Vadász <imrevdsz@gmail.com>
sub   rsa2048/5CC067DDEC512108 2016-07-24 [E] [expires: 2019-07-24]
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Lm9yZz6JAT0EEwEKACcFAleWap8CGwMFCQWjmoAFCwkIBwMFFQoJCAAsFFgMCAQAC
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3g/dP3anthUj0Gfk5fwJDMwq3C/rce3MXnCpYP1nq0RkACCb+sagZsJg0g0fFn2K
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.521. Emmanuel Vadot <manu@FreeBSD.org>

```
pub  rsa2048/49AFB38B7C929105 2016-04-24 [SC] [expires: 2019-04-24]
      Key fingerprint = DE79 F601 8D70 10E8 480E B918 49AF B38B 7C92 9105
uid  Emmanuel Vadot <manu@freebsd.org>
sub  rsa2048/519ED84504490990 2016-04-24 [E] [expires: 2019-04-24]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.522. Eric van Gyzen <vangyzen@FreeBSD.org>

```
pub  rsa2048/AFC12A13EC20DAB8 2015-01-28 [expires: 2018-01-27]
      Key fingerprint = 3E70 4F4A 0D13 41E8 BCE4 D73D AFC1 2A13 EC20 DAB8
uid  Eric van Gyzen <vangyzen@FreeBSD.org>
```

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uid Eric van Gyzen <eric@vangyzen.net>
sub rsa2048/AEDFC8E4E2244266 2015-01-28 [expires: 2018-01-27]
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-----END PGP PUBLIC KEY BLOCK-----

### 3.523. Ram Vegesna <ram@FreeBSD.org>

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pub rsa2048/E60E9E7679E70F18 2018-04-09 [SC] [expires: 2021-04-08]
Key fingerprint = FC32 B44C D51E 1B31 766F 0A07 E60E 9E76 79E7 0F18
uid Ram Kishore Vegesna <ram.vegesna@broadcom.com>
sub rsa2048/F1410348850D12F9 2018-04-09 [E] [expires: 2021-04-08]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.524. Bryan Venteicher <bryanv@FreeBSD.org>

```

pub 4096R/E97DB7DB 2012-11-05
    Key fingerprint = 0F8F 11EF F4D2 EDCA ECEA CB16 744C BF25 E97D B7DB
uid          Bryan Venteicher (DITC) <bryanv@daemoninthecloset.org>
uid          Bryan Venteicher (FreeBSD) <bryanv@freebsd.org>
sub 4096R/2EBC1A46 2012-11-05

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### 3.525. Jacques Vidrine <nectar@FreeBSD.org>

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pub 2048R/33C1627B 2001-07-05 Jacques A. Vidrine <nectar@celabo.org>
Key fingerprint = CB CE 7D A0 6E 01 DC 61 E5 91 0A BE 79 17 D3 82
uid Jacques A. Vidrine <jvidrine@verio.net>
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pub 1024D/1606DB95 2001-07-05 Jacques A. Vidrine <nectar@celabo.org>
Key fingerprint = 46BC EA5B F70A CC81 5332 0832 8C32 8CFF 1606 DB95
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### 3.526. Alberto Villa <avilla@FreeBSD.org>

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pub 1024R/44350A8B 2010-01-24
Key fingerprint = F740 CE4E EDDD DA9B 4A1B 1445 DF18 82EA 4435 0A8B
uid Alberto Villa <avilla@FreeBSD.org>
sub 1024R/F7C8254C 2010-01-24
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### 3.527. Nicola Vitale <nivit@FreeBSD.org>

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pub 1024D/F11699E5 2006-12-05
Key fingerprint = 2C17 C591 2C6D 82BD F3DB F1BF 8FC9 6763 F116 99E5
uid Nicola Vitale (Public key for nivit@FreeBSD.org) <nivit@FreeBSD.org>
sub 2048g/4C90805D 2006-12-05

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### 3.528. Ivan Voras <ivoras@FreeBSD.org>

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pub 1024D/FD08D5063DFF1D2C 2012-04-22
Key fingerprint = 6141 82D7 8304 0002 EEB3 48E5 FD08 D506 3DFF 1D2C
uid Ivan Voras <ivoras@fer.hr>
uid Ivan Voras <ivoras@freebsd.org>

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uid Ivan Voras <ivoras@pirati.hr>
uid Ivan Voras <ivoras@gmail.com>
uid [jpeg image of size 3697]
sub 4096g/88C9ED7026B75D25 2012-04-22
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### 3.529. Andriy Voskoboinyk <avos@FreeBSD.org>

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pub  rsa2048/558F4F536DC10B47 2015-10-19 [expires: 2018-10-18]
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Key fingerprint = 4056 7E58 FA1D D59F F3EA CC83 558F 4F53 6DC1 0B47
uid      Andriy Voskoboiny <avos@freebsd.org>
sub      rsa2048/515B99612E8604AF 2015-10-19 [expires: 2018-10-18]
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### 3.530. Stefan Walter <stefan@FreeBSD.org>

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pub      3072R/12B9E0B3 2003-03-06
Key fingerprint = 85D8 6A49 22C7 6CD9 B011 5D6A 5691 111B 12B9 E0B3
uid      Stefan Walter <stefan@freebsd.org>
uid      Stefan Walter <sw@gegenunendlich.de>
sub      3072R/6D35457A 2003-03-06
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### 3.531. Kai Wang <kaiw@FreeBSD.org>

```

pub 1024D/AEB910EB 2006-09-27
    Key fingerprint = 3534 10A3 F143 B760 EF3E BEDF 8509 6A06 AEB9 10EB
uid      Kai Wang <kaiw@FreeBSD.org>
uid      Kai Wang <kaiw@student.chalmers.se>
uid      Kai Wang <kaiwang27@gmail.com>
uid      Kai Wang <kaiw27@gmail.com>
sub 2048g/1D5AA4DD 2006-09-27

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### 3.532. Adam Weinberger <adamw@FreeBSD.org>

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pub   rsa4096/19A77C98A0E497E9 2020-09-25 [SC] [expires: 2025-09-24]
      Key fingerprint = CBE8 2760 3DA3 3D18 52D7 B662 19A7 7C98 A0E4 97E9
uid   Adam Weinberger <adamw@FreeBSD.org>
uid   Adam Weinberger <adamw@adamw.org>
sub   rsa4096/723BD32C244BC85E 2020-09-25 [E] [expires: 2025-09-24]
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### 3.533. Christian Weisgerber <naddy@FreeBSD.org>

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pub rsa2048/73490227F70EEEA0 2015-05-03
Key fingerprint = A264 04D3 05A4 189F D662 AF67 7349 0227 F70E EEA0
uid Christian Weisgerber <naddy@mips.inka.de>
uid Christian Weisgerber <naddy@FreeBSD.org>
uid Christian Weisgerber <naddy@openbsd.org>
sub rsa2048/1005F0A965D82467 2015-05-03
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### 3.534. Peter Wemm <[peter@FreeBSD.org](mailto:peter@FreeBSD.org)>

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pub 1024D/1512AE527277717F 2003-12-14
Key fingerprint = 622B 2282 E92B 3BAB 57D1 A417 1512 AE52 7277 717F
uid Peter Wemm <peter@wemm.org>
uid Peter Wemm <peter@FreeBSD.ORG>
sub 1024g/2C5F53778B40D9D1 2003-12-14

pub 2048R/35D69709EC809E04 2014-05-08 [expires: 2024-05-05]
Key fingerprint = 060A C0D1 5AFF BDF3 55B8 FA14 35D6 9709 EC80 9E04
uid Peter Wemm <peter@wemm.org>
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uid   Nathan Whitehorn <nwhitehorn@physics.ucla.edu>
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### 3.536. Martin Wilke <miwi@FreeBSD.org>

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      Key fingerprint = 4034 F77F 5827 854A B066 4DE7 1F3F C665 313A 1267
uid  Martin Wilke <miwi@FreeBSD.org>
sub  rsa2048/CE68EDF4E244AC3F 2017-05-14 [E]
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QAZeYHvpEF47pP4eg9MXrPMfMR0n4V2W/3/m
=Wabd
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.537. Nate Williams <nate@FreeBSD.org>

```

pub 1024D/C2AC6BA4 2002-01-28 Nate Williams (FreeBSD) <nate@FreeBSD.org>
Key fingerprint = 8EE8 5E72 8A94 51FA EA68 E001 FFF9 8AA9 C2AC 6BA4
sub 1024g/03EE46D2 2002-01-28

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.538. Steve Wills <swills@FreeBSD.org>

```

pub 2048R/F5CF62B3207B1BA1 2010-09-02 [expires: 2020-01-23]
Key fingerprint = 98FA 414A 5C2A 0EF9 CFD0 AD0D F5CF 62B3 207B 1BA1
uid Steve Wills <swills@FreeBSD.org>
uid Steve Wills <swills@freebsd.org>
uid Steve Wills <steve@mouf.net>

```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.539. Robert Wing <rew@FreeBSD.org>

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pub   rsa2048/C9986ACBFC9EF9A5 2020-07-27 [SC] [expires: 2023-07-27]  
      Key fingerprint = D223 1048 3A99 CE6C E9E9 70A1 C998 6ACB FC9E F9A5  
uid   Robert Wing <rew@FreeBSD.org>  
sub   rsa2048/869983F7492BC0A2 2020-07-27 [E] [expires: 2023-07-27]
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=5CVS
-----END PGP PUBLIC KEY BLOCK-----
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### 3.540. Thomas Wintergerst <twinterg@FreeBSD.org>

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pub 1024D/C45CB978 2006-01-08
Key fingerprint = 04EE 8114 7C6D 22CE CDC8 D7F8 112D 01DB C45C B978
uid Thomas Wintergerst <twinterg@gmx.de>
uid Thomas Wintergerst <twinterg@freebsd.org>
uid Thomas Wintergerst
uid Thomas Wintergerst <thomas.wintergerst@nord-com.net>
uid Thomas Wintergerst <thomas.wintergerst@materna.de>
sub 2048g/3BEBEF8A 2006-01-08
sub 1024D/8F631374 2006-01-08
sub 2048g/34F631DC 2006-01-08
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.541. Konrad Witaszczyk <def@FreeBSD.org>

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### 3.542. Marcin Wojtas <mw@FreeBSD.org>

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pub  rsa2048/1609CFE6DB0F240A 2017-07-22 [SC] [expires: 2020-07-21]
      Key fingerprint = 1FE2 1C08 3196 8369 E40D 43CF 1609 CFE6 DB0F 240A
uid  Marcin Wojtas <mw@freebsd.org>
sub  rsa2048/EBFBC746ED12C0B9 2017-07-22 [E] [expires: 2020-07-21]

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### 3.543. Garrett Wollman <wollman@FreeBSD.org>

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pub ed25519/3A918A07C31750FF 2016-06-11 [SC] [expires: 2021-09-15]
Key fingerprint = 95E5 D1FA 316A 4221 24DC BFE3 3A91 8A07 C317 50FF
uid Garrett A. Wollman <wollman@bimajority.org>
uid Garrett A. Wollman <wollman@csail.mit.edu>
uid Garrett A. Wollman <wollman@lcs.mit.edu>
uid Garrett A. Wollman <wollman@mit.edu>
uid Garrett A. Wollman <wollman@bostonradio.org>
uid Garrett A. Wollman <wollman@FreeBSD.org>
uid Garrett A. Wollman <wollman@khavrinen.csail.mit.edu>
uid Garrett A. Wollman <wollman@tig.csail.mit.edu>
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uid Garrett A. Wollman <wollman@isfahel.bostonradio.org>
uid Garrett A. Wollman <wollman@hergotha.bimajority.org>
uid Garrett A. Wollman <wollman@wollman.name>
sub cv25519/3C8F50B9F84ECEC1 2016-06-11 [E] [expires: 2021-09-15]
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### 3.544. Ben Woods <woods02@FreeBSD.org>

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      Key fingerprint = 189F A55D 1B84 A241 79CC D409 F428 2FB8 B0DE D855
uid   Ben Woods <woods02@gmail.com>
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sub  rsa2048/261CBDD3510A176A 2016-05-09 [E] [expires: 2019-05-09]
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### 3.545. Jörg Wunsch <[joerg@FreeBSD.org](mailto:joerg@FreeBSD.org)>

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uid   [ultimate] Joerg Wunsch <j.gnu@uriah.heep.sax.de>
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### 3.546. David Xu <davidxu@FreeBSD.org>

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### 3.547. Guanyuan Yang <yygy@FreeBSD.org>

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pub  rsa4096/3068752A2C2EAF21 2017-08-21 [SCA] [expires: 2020-09-23]
     Key fingerprint = 8A50 E4BC F82F CF01 79E4 AA59 3068 752A 2C2E AF21
uid  Guanyuan Yang <yygy@FreeBSD.org>
uid  Guanyuan Yang <yzgyyang@outlook.com>
sub  rsa4096/FE95523C21630E20 2017-08-21 [E] [expires: 2020-09-23]
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### 3.548. Maksim Yevmenkin <emax@FreeBSD.org>

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pub 1024D/F050D2DD 2003-10-01 Maksim Yevmenkin <m_evmenkin@yahoo.com>
Key fingerprint = 8F3F D359 E318 5641 8C81 34AD 791D 53F5 F050 D2DD
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**3.549. Pyun YongHyeon <yongari@FreeBSD.org>**

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      Key fingerprint = FC47 A95C 4681 3D5A DACA 45A5 2F46 1043 D159 70A0
uid  Pyun YongHyeon <yongari@FreeBSD.org>
uid  YongHyeon PYUN <pyunyh@gmail.com>
sub  rsa2048/2ECD0169096559FF 2016-08-09 [expires: 2019-08-09]
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**3.550. Ruy-Cherng Yu <rcyu@FreeBSD.org>**

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pub  rsa2048/06E74405C01090DF 2017-03-06 [SC] [(&#21040;&#26399;: 2020-03-05)
      &#37329;&#38000;&#25351;&#32011; = 2B4B C3CD 0B8B 0150 8C5F 90B5 06E7 4405 C010
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uid  Ruy-Cherng Yu <rcyu@freebsd.org>
sub  rsa2048/29BF1DFDF00BEA06 2017-03-06 [E] [(&#21040;&#26399;: 2020-03-05)]
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### 3.551. Mariusz Zaborski <oshogbo@FreeBSD.org>

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      Key fingerprint = 99DA 3100 5BE8 B301 5D64 9EE3 FCA0 765A 0018 238B
uid   Mariusz Zaborski <oshogbo@FreeBSD.org>
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**3.552. Thomas Zander <[riggs@FreeBSD.org](mailto:riggs@FreeBSD.org)>**

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pub  rsa4096/0D766192C7F78C63 2016-08-27 [SC] [expires: 2023-08-18]
      Key fingerprint = B8B5 09A4 A0F5 2002 2FF1 71B5 0D76 6192 C7F7 8C63
uid          Thomas Zander <riggs@FreeBSD.org>
uid          Thomas Zander <thomas.e.zander@googlemail.com>
sub  rsa4096/13982E487B690037 2016-08-27 [E] [expires: 2022-08-18]
      Key fingerprint = E7B4 E843 D023 FC73 C565 187D 1398 2E48 7B69 0037
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### 3.553. Vinícius Zavam <egypcio@FreeBSD.org>

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### 3.554. Bjoern A. Zeeb <bz@FreeBSD.org>

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3.555. Niclas Zeising <zeising@FreeBSD.org>

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OpenPGP Keys

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=E38
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.556. Alexey Zelkin <[phantom@FreeBSD.org](mailto:phantom@FreeBSD.org)>

```

pub 1024D/9196B7D9 2002-01-28 Alexey Zelkin <phantom@FreeBSD.org>
Key fingerprint = 4465 F2A4 28C1 C2E4 BB95 1EA0 C70D 4964 9196 B7D9
sub 1024g/E590ABA4 2002-01-28

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.557. Sepherosa Ziehou <sephe@FreeBSD.org>

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pub  rsa2048/CE314488BE4E5ED5 2016-10-18 [SC] [expires: 2017-10-18]
     Key fingerprint = 4F7A A4C1 2640 D8B7 5B6C A320 CE31 4488 BE4E 5ED5
uid  Sepherosa Ziehou (new) <sephe@freebsd.org>
sub  rsa2048/588B5CE37D0C5E4B 2016-10-18 [E] [expires: 2017-10-18]
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-----END PGP PUBLIC KEY BLOCK-----
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**3.558. Michael Zhilin** <mizhka@FreeBSD.org>

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pub  rsa2048/95D5352F9286943B 2016-07-22 [SC] [expires: 2019-07-22]
      Key fingerprint = 0AEE 7305 0813 BE01 F64D 1B9E 95D5 352F 9286 943B
uid      Michael Zhilin <mizhka@freebsd.org>
sub  rsa2048/FB8FB2642431E2ED 2016-07-22 [E] [expires: 2019-07-22]
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**3.559. Andrey Zonov** <zont@FreeBSD.org>

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pub  2048R/E8A68B1C 2012-08-17 [expires: 2016-08-17]
      Key fingerprint = 3DFF AA2F C10A A979 2FB9 A764 F145 4BB6 E8A6 8B1C
uid      Andrey Zonov <zont@FreeBSD.org>
uid      Andrey Zonov <andrey@zonov.org>
sub  2048R/57FC2BD3 2012-08-17 [expires: 2016-08-17]
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### 3.560. Torsten Zuehlsdorff <tz@FreeBSD.org>

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     Schl.-Fingerabdruck = 0AC8 AF98 62C0 487F D8CD D309 1F50 8D68 0794 735B
uid          Torsten Zuehlsdorff <tz@FreeBSD.org>
sub  rsa4096/C84D624F3C23C041 2018-03-22 [E] [verfällt: 2023-03-21]
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**3.561. Yuri Victorovich** <yuri@FreeBSD.org>

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pub  rsa2048 2017-10-31 [SC] [expires: 2020-10-30]
     1851 BC45 B773 5E75 6387 1076 EC68 3904 8921 D150
uid  [ unknown] Yuri Victorovich <yuri@FreeBSD.org>
sub  rsa2048 2017-10-31 [E] [expires: 2020-10-30]
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**3.562. Slava Shwartsman** <slavash@FreeBSD.org>

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pub  rsa2048/F98A03ECA8FFFD9D 2018-02-20 [SC] [expires: 2021-02-19]
     Key fingerprint = 7B5B EF93 06FC A8F9 38D0 C32F F98A 03EC A8FF FD9D
uid  Slava Shwartsman <slavash@freebsd.org>
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sub  rsa2048/63E8D18A494FE57D 2018-02-20 [E] [expires: 2021-02-19]
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### 3.563. Gleb Popov <arrowd@FreeBSD.org>

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pub  rsa2048/B6896C7F68880CF6 2018-05-20 [SCEA] [expires: 2021-05-19]
Key fingerprint = 61F9 7E8A A7E0 5EDA 8398 DE99 B689 6C7F 6888 0CF6
uid  Gleb Popov <arrowd@freebsd.org>
sub  rsa2048/33D10F775D163987 2018-05-20 [SEA] [expires: 2021-05-19]
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### 3.564. Alexandre C. Guimaraes <[rigoletto@FreeBSD.org](mailto:rigoletto@FreeBSD.org)>

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pub  rsa4096/9921FCC0384017D9 2018-10-03 [SC] [expires: 2021-10-02]
     Key fingerprint = F516 C38E 8674 10B0 566A 6182 9921 FCC0 3840 17D9
uid  Alexandre C. Guimarães (FreeBSD Key)
     <rigoletto@FreeBSD.org>
sub  rsa4096/240F88930B312333 2018-10-03 [E] [expires: 2021-10-02]
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### 3.565. Pawel Biernacki <kaktus@FreeBSD.org>

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pub  rsa4096/9DE435AB65096082 2017-10-28 [SC] [expires: 2022-10-30]
      Key fingerprint = F38A 492F 5735 2A36 263C D807 9DE4 35AB 6509 6082
uid   Pawel Biernacki <pawel.biernacki@gmail.com>
uid   Pawe&#322; Biernacki <pawel.biernacki@mysteriouscode.io>
uid   Pawe&#322; Biernacki <kaktus@FreeBSD.org>
sub  rsa4096/5F77177A2E0E3478 2017-10-28 [A] [expires: 2022-10-30]
sub  rsa4096/0F977967B07A7C5D 2017-10-28 [E] [expires: 2022-10-30]
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### 3.566. Alex Samorukov <samm@FreeBSD.org>

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pub  rsa2048/434C13EF422BE53C 2019-10-08 [SC] [expires: 2022-10-08]
Key fingerprint = ADDB 27FE 36E4 8A8D D608 CB3A 434C 13EF 422B E53C
uid  Samorukov, Olexii (FreeBSD) <samm@freebsd.org>
uid  Samorukov, Alexey <samm@os2.kiev.ua>
sub  rsa2048/F8FB02487C50A175 2019-10-08 [E] [expires: 2022-10-08]
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## 4. Other Cluster Account Holders

### 4.1. Alexander Best

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pub 4096R/10C54914 2013-09-09 [expires: 2016-09-08]
    Key fingerprint = 34EB A47D A329 5767 ED27 E130 8ACA 73CA 10C5 4914
uid                               Alexander Best <arundel@FreeBSD.org>
sub 4096R/F1F0EF55 2013-09-09 [expires: 2016-09-08]
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Jh6tSsKzpwKYEY04IeAi
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-----END PGP PUBLIC KEY BLOCK-----
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## 4.2. Ben Haga

```
pub 4096R/1FA0DA9D 2013-04-12 [expires: 2017-04-11]
    Key fingerprint = 82FB 3180 8C3E CEA9 66ED 7FE5 2840 F0C9 1FA0 DA9D
uid Ben Haga <bhaga@FreeBSD.org>
sub 4096R/33BE4D62 2013-04-12 [expires: 2017-04-11]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 4.3. Boris Kochergin

```
pub 4096R/7E8DEA51 2013-04-08
    Key fingerprint = 41E7 7678 9F57 D52E 73DF 731F A77E 8C7A 7E8D EA51
uid Boris Kochergin <bk@isis.poly.edu>
sub 4096R/DD7B3E04 2013-04-08
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KA==
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-----END PGP PUBLIC KEY BLOCK-----
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### 4.4. Deb Goodkin

```
pub 2048R/09436139 2013-04-11
    Key fingerprint = 3498 B76C D4D7 EA14 2003 83AE 1A93 FFAF 0943 6139
```

```
uid          Deb Goodkin <deb@freebsd.org>
uid          Deb Goodkin <Deb@Gurkowski.com>
uid          Deb Goodkin <deb@freebsd.foundation.org>
sub 2048R/0FB6881F 2013-04-11
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 4.5. Daniel Ebdrup Jensen

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pub  rsa2048/85DE2FC63FA7C505 2020-05-04 [SC] [expires: 2023-05-04]
     Key fingerprint = 0B7B 34A7 3FD9 3F40 E978 8367 85DE 2FC6 3FA7 C505
uid  Daniel Ebdrup Jensen <debdrup@freebsd.org>
sub  rsa2048/06BDB86948D0C5CB 2020-05-04 [E] [expires: 2023-05-04]
sub  rsa2048/3ECE61487CCDF3BA 2020-05-05 [S]
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### 4.6. Ben C. O. Grimm

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uid      DutchDaemon - FreeBSD Forums Administrator <DutchDaemon@FreeBSD.org>
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sub 4096R/71122828 2019-05-10 [expires: 2024-05-08]

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#### 4.7. Self-Serve SSH key changer

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uid  Self-Serve SSH key changer <keymaster@freebsd.org>
sub  rsa4096/DCC42FF5B44E5D35 2016-10-04 [E]

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#### 4.8. Peter Losher

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Key fingerprint = E00E 4CB3 D265 248E 610D 77A4 B9F7 C886 6917 C3B9
uid Peter Losher <ploser@freebsd.org>
uid Peter Losher <ploser@ploser.net>
sub 2048g/5E63FAAB8C6651F2 2002-03-16 [expires: 2014-12-24]
sub 4096R/53B9AAA98C273E2E 2014-05-18 [expires: 2019-05-17]
sub 4096R/CDABAB7A88F51686 2014-05-18 [expires: 2019-05-17]
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#### 4.9. Michael W. Lucas

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      Key fingerprint = 0D83 B55B 5314 BBBB C209 70A0 8663 ED94 1F2E 54A8
uid   Michael Warren Lucas (Author) <mwlucas@blackhelicopters.org>
uid   Michael Warren Lucas (Author) <mwlucas@michaelwlucas.com>
sub   rsa4096/96FC4FE74DA4E659 2014-10-15 [expires: 2020-10-13]
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#### 4.10. David Wolfskill

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