

# OpenPGP Keys

Revision: [44943](#)  
2014-05-24 20:33:49Z by bcr.

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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 <http://www.FreeBSD.org/doc/pgpkeyring.txt>.

## 1. Officers

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

```
pub  rsa4096/ED67ECD65DCF6AE7 2013-09-24 [expires: 2018-01-01]
     Key fingerprint = 1CF7 FF6F ADF5 CA9F BE1B 8CB2 ED67 ECD6 5DCF 6AE7
uid  FreeBSD Security Officer <security-officer@FreeBSD.org>
sub  rsa4096/B64357A343D9CBAE 2013-09-24 [expires: 2018-01-01]
```

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

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## 1.2. Security Team Secretary <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>
org>
sub 4096R/509B26612335EB65 2013-09-24 [expires: 2018-01-01]
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### 1.3. Core Team Secretary <core-secretary@FreeBSD.org>

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pub  rsa4096/36A7C05FE1ECF9BB 2014-07-09 [SC] [expires: 2017-07-08]
      Key fingerprint = C07B F5E3 10AE 64BF 6120 B0F6 36A7 C05F E1EC F9BB
uid   FreeBSD Core Team Secretary <core-secretary@freebsd.org>
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sub  rsa4096/7B5150C8D7CE5D02 2014-07-09 [E] [expires: 2017-07-08]
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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-
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## 2. Core Team Members

### 2.1. Gavin Atkinson <[gavin@FreeBSD.org](mailto:gavin@FreeBSD.org)>

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pub 4096R/4DA114E5C4A2E57F 2013-09-25 [expires: 2018-09-24]
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>
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## 2.2. David Chisnall <theraven@FreeBSD.org>

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uid David Chisnall <theraven@FreeBSD.org>
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Comment: GPGTools - http://gpgtools.org
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### 2.3. Baptiste Daroussin <bapt@FreeBSD.org>

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uid   Baptiste Daroussin <bapt@FreeBSD.org>
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## 2.4. Ed Maste <emaste@FreeBSD.org>

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pub   rsa2048/5D9A9C3B43EEF099 2015-07-08 [expires: 2017-07-07]
      Key fingerprint = F7E1 F016 EF5B 923A 6134 8BC8 5D9A 9C3B 43EE F099
uid   Ed Maste <emaste@freebsd.org>
sub   rsa2048/A294A95EA92D2D89 2015-07-08 [expires: 2017-07-07]
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## 2.5. George V. Neville-Neil <gnn@FreeBSD.org>

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pub 1024D/440A33D2 2002-09-17
Key fingerprint = AF66 410F CC8D 1FC9 17DB 6225 61D8 76C1 440A 33D2
uid George V. Neville-Neil <gnn@freebsd.org>
uid George V. Neville-Neil <gnn@neville-neil.com>
sub 2048g/95A74F6E 2002-09-17
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## 2.6. Hiroki Sato <hrs@FreeBSD.org>

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pub 1024D/2793CF2D 2001-06-12
    Key fingerprint = BDB3 443F A5DD B3D0 A530 FFD7 4F2C D3D8 2793 CF2D
uid      Hiroki Sato <hrs@allbsd.org>
uid      Hiroki Sato <hrs@eos.ocn.ne.jp>
uid      Hiroki Sato <hrs@ring.gr.jp>
uid      Hiroki Sato <hrs@FreeBSD.org>
uid      Hiroki Sato <hrs@jp.FreeBSD.org>
uid      Hiroki Sato <hrs@vlsi.ee.noda.tus.ac.jp>
uid      Hiroki Sato <hrs@jp.NetBSD.org>
uid      Hiroki Sato <hrs@NetBSD.org>
uid      Hiroki Sato <hrs@ec.ss.titech.ac.jp>
uid      Hiroki Sato <hrs@ieee.org>
uid      Hiroki Sato <hrs@acm.org>
uid      Hiroki Sato <hrs@bsdconsulting.co.jp>
uid      Hiroki Sato <hrs@bsdresearch.org>
uid      Hiroki Sato <hrs@ec.ce.titech.ac.jp>
sub 1024g/8CD251FF 2001-06-12

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## 2.7. Gleb Smirnoff <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 Smirnoff <glebius@FreeBSD.org>
sub 2048g/11E89DCE 2013-01-30 [expires: 2023-08-25]
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## 2.8. 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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## 3. Developers

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

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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>
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sub 2048g/8958C1D3 2005-10-01

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

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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>
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### 3.3. Eitan Adler <eadler@FreeBSD.org>

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pub 4096R/8FC8196C 2011-02-11
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uid Eitan Adler <lists@eitanadler.com>
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-----END PGP PUBLIC KEY BLOCK-----
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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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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - https://gpgtools.org
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### 3.5. Shaun Amott <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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### 3.6. Henrik Brix Andersen <brix@FreeBSD.org>

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3.7. Matthias Andree <mandree@FreeBSD.org>

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      Key fingerprint = DC4A 655B D993 CD48 71FA 8210 E412 B156 EFF3 855A
uid          Matthias Andree <matthias.andree@gmx.de>
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sub  rsa4096/9437860BAA89B603 2015-09-09 [E] [expires: 2019-08-17]

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

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pub 1024D/F81672C5 2000-05-22 Will Andrews (Key for official matters) <will@FreeBSD.org>
Key fingerprint = 661F BBF7 9F5D 3D02 C862 5F6C 178E E274 F816 72C5
uid Will Andrews <will@physics.purdue.edu>
uid Will Andrews <will@puck.firepipe.net>
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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@lclark.edu>
uid                               Eric Anholt <anholt@FreeBSD.org>
sub 1024g/80B404C1 2003-09-08

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### 3.11. Marcus von Appen <[mva@FreeBSD.org](mailto: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 <frebsd@sysfault.org>
uid          Marcus von Appen <mva@freebsd.org>
sub 2048g/D34A3BAF 2009-02-14

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### 3.12. 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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### 3.13. Mathieu Arnold <mat@FreeBSD.org>

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pub 4096R/0x3A4516F35183CE48 2013-09-23 [expires: 2018-09-22]
    Key fingerprint = 3AB6 9789 D2ED 1210 6440 BA5B 3A45 16F3 5183 CE48
uid [ full -] Mathieu Arnold <mat@FreeBSD.org>
uid [ full -] Mathieu Arnold <mat@mat.cc>
uid [ full -] Mathieu Arnold <m@absolight.fr>
uid [ full -] Mathieu Arnold <m@w2my.net>
sub 4096R/0xA99F9AA711E3DFC9 2013-09-23 [expires: 2018-09-22]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.14. Takuya ASADA <[syuu@FreeBSD.org](mailto:syuu@FreeBSD.org)>

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pub  2048R/43788F78 2012-11-21
      Key fingerprint = 31CE 242E 6F4F F24F EEF4 D9BB 0890 2C5F 4378 8F78
uid  Takuya ASADA <syuu@freebsd.org>
sub  2048R/A87B0906 2012-11-21

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### 3.15. Satoshi Asami <[asami@FreeBSD.org](mailto: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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### 3.16. Gavin Atkinson <gavin@FreeBSD.org>

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pub 4096R/4DA114E5C4A2E57F 2013-09-25 [expires: 2018-09-24]
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 4096R/443BBD9486DFCC25 2013-09-25 [expires: 2018-09-24]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.17. Joseph S. Atkinson <[jja@FreeBSD.org](mailto:jja@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 <jja@FreeBSD.org>
uid Joseph S. Atkinson <jja.bsd@gmail.com>
uid Joseph S. Atkinson <jja@wickedmachine.net>
sub 2048R/5601C3E3 2010-07-14
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### 3.18. Philippe Audeoud <[jadawin@FreeBSD.org](mailto: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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### 3.19. Eric Badger <[badger@FreeBSD.org](mailto:badger@FreeBSD.org)>

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      Key fingerprint = 3A9E 8013 BCA7 C945 8253 7759 62E5 0096 5A3F 24AC
uid   Eric Badger <badger@FreeBSD.org>
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**3.20. Timur I. Bakeyev <timur@FreeBSD.org>**

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uid          Timur I. Bakeyev (BaT) <timur@bat.ru>
uid          Timur I. Bakeyev <timur@gnu.org>
uid          Timur I. Bakeyev (BaT) <bat@cpan.org>
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### 3.21. John Baldwin <jhb@FreeBSD.org>

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

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### 3.23. Nick Barkas <snb@FreeBSD.org>

```
pub 2048R/DDADB9DC 2010-07-27  
Key fingerprint = B678 6ECB 303D F580 A050 098F BDFE 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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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.24. Simon Barner <[barner@FreeBSD.org](mailto:barner@FreeBSD.org)>

```

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

```

### 3.25. Jan Beich <[jbeich@FreeBSD.org](mailto: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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### 3.26. 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>
uid                               Artem Belevich <art@freebsd.org>
sub 2048R/55B0E4EB 2011-03-28
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.27. Anton Berezin <[tobez@FreeBSD.org](mailto:tobez@FreeBSD.org)>

```
pub 1024D/7A7BA3C0 2000-05-25 Anton Berezin <tobez@catpipe.net>
    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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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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=ISZ3
-----END PGP PUBLIC KEY BLOCK-----
```

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

```
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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### 3.29. Tobias C. Berner <[tcberner@FreeBSD.org](mailto:tcberner@FreeBSD.org)>

```

pub 2048R/D9F7782DF21AACEF 2016-07-08 [verfällt: 2019-07-08]
    Schl.-Fingerabdruck = CF7E 1348 3DC0 BC6B D9A3 B024 D9F7 782D F21A ACEF
uid Tobias C. Berner <tcberner@FreeBSD.org>
sub 2048R/33BC79B02F9E7F57 2016-07-08 [verfällt: 2019-07-08]

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

```

### 3.30. Tim Bishop <[tdb@FreeBSD.org](mailto:tdb@FreeBSD.org)>

```

pub rsa4096/6C226B37FDF38D55 2013-08-07 [expires: 2018-08-20]
    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 [expires: 2018-08-20]

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Gz6/t9U9kYMUlq7LYdidkWKUka5gaziLr5L3aUZkgCAF0YPIwohF8U8NcS1qKx9Q
874h3Vp+pt00VqanZFcA5V3F/hcuw8z5u02t7g3ya/Pc71KGnM4dWZxKHU3tpwmo
SYtbAxINrr5fxn4bZ+vC2q+QRWpyqDli+S9qWaoTKTfirDJkwijKMbdGtakFZgEZ
jwqX5A+Biaa2uPo8nhqtr0Bm4+SnvGB05oVUozog7Bn5/p0St6x33FLEUrZ6zvGv
PcLJ4YXqYLN8dAQ9NZFBSIyAy8Y0TAcgKx/0FfJWWRxo
=uRDQ
-----END PGP PUBLIC KEY BLOCK-----

```

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

```

pub   rsa2048/522D783808809986 2015-10-11 [expires: 2018-10-10]
      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]

```

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

```
mQENBFYaqSQBCACcu8AdcNh5rL7tusH7QCj/i06A160FBWKRqaXefjyTvPzvaH1Q
QALq6L+YauhYDPk1U1hRYyScFnLcd6JRwxBb20n5L0RWpakFbtGk08Iy3gi6mC8N
xekysAxRr/4BRQqGIDhgyaPYNOllniT/EarzwTL8X7oHeqh0/H/47B+4UPcdzKXH
MoiwenopG+D7/NK6WJtAR0j2ZblsvZnQ+byUQUHeqnZN/OzUYC4r3Jw/QHi6wRbE
yyqP+K0zj1MQbsilUf746uX3WoWq/3WumBDpx2ItgdJl6PR6peyPBp5K73TEpGZL
xSme//UM4F8yySEKjLN3CxsjLhXfMdkhBQM5ABEBAAG0IkdyemVnb3J6IEJsYWNo
IDxncnplZ29yekBibGFjaC5wbD6JAT0EEwEIAccFALYaqSQCGwMFCQWjmoAFCwkI
BwIGFQgJCgsCBBYCAwECHgECF4AACGkQUi140AiAmYYUCwf/Zz1g7LS3BYr4MkB2
30wLEutxfpFGfo06KTeU02IKc8rgVWjhyWsjS0+ZsM7ApKbnlhB2WcrDrFUydpE/
08aTjXucjIoEXZi7QCWR6FuwPyPpezgk26pqwE9RCSE1+I1AkL+gk+wwHs/9kQA
oNvGfF1QZAhg0XABd+18aGHqsAtEgCw+RC5c898ZQ3HcMRBuC3DcaMzAXFTJl8C
4x0xtaWpCiRrXTsGwpJhBdTve59nzcN7ez5SqXr43sIcQ8K4df7RcsycE2qWfX
ZZ+CzmcZ+aGieN1N6N34vfqIY+WHLLThvK396Vf/5sKZtDwx9J3U2yRIEvKWAGT
L8JWYLQjR3J6ZWdvcnogQmXhY2ggPGdibGFjaEBGcmVlQLNELm9yZz6JAT0EEwEIA
ccFALYaqSQCGwMFCQWjmoAFCwkIBwIGFQgJCgsCBBYCAwECHgECF4AACGkQUi14
0AiAmYZfLQf8CdZ4Z054x4c20NGELQrMSJNfrKJMruNsZn+hlp/zWS1WIwNFZ/dP
EXMXZ0/HZFq/ukbwBmA/Po6592LsdBzayf1/rhfC9oGAd8UpcsW98mXpzJgnbFsh
KiERGLuMb40PaE7X0A2LIQ00a/hsVoIANVBcjAoHG0045oPuTV2MT1zfRoL/Tb3m
Va7szFEi3RDCBHqXzu60e5GjNnludH7gDVQ0PMiv0aeHrp3LoBTjfxrM/cr37ov9
qzjdpPIZa9iTzow/cI3gtziiododPUQz72mtM998MiPIVylkq/rihb0ankMmCVLh
6L9+TQ0En3c/zyUmLjyGbrBw5zyXmSASB7kBDQRWGqkkaAQgA2URs2aMBW6Tgn3Wu
3XKrMtBmCPDr/J+LyaQU5P0aFzt/uVfXVus9Mmx1tj44Tskq6CcwXxv/qNVYLj1
YxH5CToNk3e+84vrLqBCVSu+Vn9nXAwuH1+9KxAUarvaBTtTc6dgMIAcy2IgbLpU
i1Zvp1XqFHjydEPRHkwf9TH4yorBnV0AqwfJT6gBxkao4gYQ8Umslyz2z+S384Vi
PHZ1huFg5J5nqUuiCn5cx+kJ1EzzyEJQJ9f1+ZVgxi3v3izdyjN4zUV0sh79Uftl
2tVKAQxRfFGEIGap308McdkY7ZJ3hrLsGelHWk+AMAF40iHpPLSVIXjRNqdjXkUm
lDqAaQARAQABIElBbGBCAAPBQJWgkkaAhsMBQkFo5qAAAJEFiTeDgIgmGDZkH
/0k89tRQZgcmIDGjIeJXCxBP57qJws3oSzgyiHpf6qEl8TtgIp3UY6PA086Ms0xi
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3jU6wP1clvX8pCQjQihjMgjiNi5GJ06A2xk8fp4CeXuoJ+5Svs5KYnZWwvWCEuiBD
z+jRW9ZHIfrPr7u51uEwjJd0HMayvkCW/R4QL658QWX8Pu90RdGcVC9Is83PiPbn
C+iFaBULnuwHePDZQuHcs7907Em5xIe2+VY2qteryitWkT3bcU7TFNFZ9KYYvts
Bo70/fYraqPSCnq+lBF9GtU=
=zLXM
-----END PGP PUBLIC KEY BLOCK-----
```

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

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

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

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

```
mQGibDwhwB0RBACelK3FYxd6cT5ukbiSdVLHPLfzgh3F34JfS6Q4FMXgEAPtx7iy
U4Lc8A4Z2gCq1ZHBZTzKc61U+nzHe+eUWtAj0h3qDP4D0d7JCZbh4SW6dMIC7MAM
/9J5br6e2fIIn3rzbrOXSW7CJPox2D/zZcT1b727Wgy5NHUob3qej/zhwwCgrZ0o
KBapUXgnKhesQzKLH2wWCJkd/3njAzJsFS7nDdTssMtd7ip9W97uNOFLUJ1/Sg5S
332BUby73hNzSXL54rhtQB6NVBRLfGASuEYBJQIEz6aa0/LDprIXtUSCTr0/EGqa
Dy5y4XE1ClIyZ0yVw05UjIT0Z7Mu/kUTBBzQ2i15lxjzXBt9pNifvtcKBhcDmdzQ
zepQA/9Jio4IBFmjPDSl3kpvA8KqP7VXKFMmBVT9SztYVIEiFgbvff/YCqzkE5RD
0PWUFPP3o8rzsCovLpySfUNLUlFqxEZ+5+/5ky7AbJ6Vmyn7TL+mBSZs4mTV7ktN
526ngUaW2j+a02SdWao/di+sRutrgRjJqyvgGn1YGnrSoKbMJ7QYTWfYdGluIEJs
YXBwIDxtYkBpbXAUy2g+iFcEEcECABcFAjwhwB0FCwKAwQDFQMCAXYCAQIXgAAK
CRCGhu8i0wBVHh3IAKCDMueq8RCcR0+3Lc+uQyXqDKCf3QCgpVwa7oS6LTIxwSP
enZ7+4g+TkK5A0QEPCHAIAEAI3iAhZEDBjyJvPS74CXq1ypWwXfQUCYADcc/Cuv
3xr1p4ff3oYc+IIVde0QktKWRP1dK7v1JLmqFsnNQIs+NtgHy0+ayX5vJGVRTg
aCIuMMTnrDBC7VbAnWxtTHF5VKmmd891Y+nk68p5YVnRpc/freXEY6dA9LqW0bN2
f2jLAAMGA/9rMbPpnRy+uvaAQChkHvOV1RnDAhN2R+U9u3d0uNnv7sWa/TJrcdig
KNUsUvXqIXVqEMrYHTbCVC4mLMD51MLARIK0aHeynRZYkEmdi5X7EiBLS9dCue
```



```

7+vMz4jV6MRIGyr8TBy3CEFIAnpY6EIVd326PzYIgx8UZw3oEvjGIhGBBgRAGAG
BQI8IcAiAAoJEIaG7yLTAFUetM4AoJg56qwlR8E1iEs0F33G6POGCWnCAJ4mW9E3
25TD51pcom8Plwy1BkuBSw==
=oE+K
-----END PGP PUBLIC KEY BLOCK-----

```

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

```

pub 2048R/BB37E0C846CB85CF 2014-03-13 [expires: 2017-03-12]
    Key fingerprint = EC53 662F FEFE D6F4 2DBA B483 BB37 E0C8 46CB 85CF
uid                               Warren Block <wblock@FreeBSD.org>
uid                               Warren Block <wblock@wonkity.com>
sub 2048R/D79E292E145902B5 2014-03-13 [expires: 2017-03-12]

```

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

```

mQENBFMg+dIBCAdMqeWb5FrBskcYUGsnNIEfySGj fMEYh3C/QtbuhIKb9wYSoLKh
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GfypS+AEY2an68rdVQ55Vp5isLbbrFrLhkBEA/QiE2XYVPAUY/8Gm1/EEVT2vwx+
cmmsVse83ivZYowqxj4ire020LPTCRVASPtax+DDad/u7YIBRibxJEVfo32mkz5
1blhdsz8xdmbm60ViLgY15zNW8GnBmIH+SeGPNMbz60VfyBa3H/vGCBN0wwYEWVb
t0WqpQov6FpE4BTJUvg4SU+Bhho+GJNmLM9LABEBAAG0IVdhcnJlbiBCbG9jayA8
d2Jsb2NrQHdvbmtpdHkuY29tPokBPQQTAgAJwUCUyD50gIbAwUJBa0agAULCQgH
AwUVCgkICUwUwAwIBAAIEaQIXgAAKCR7N+DIRsuFz4fwCACbXBp0G5mu0PZu1/Cm
5wGI4x76AQnbvn75uHJVP4FUha2z0GmF/8Yga5Viww6nalvFAoJ0+Bpi0mPyTGXl
xZZweDhZMdlxk9V9Yqrek3A69ig/cFVgj kCUkGX8cQAjY4W2doA6D7q5L5aVtc9
8WEtwn20nHQWnL6Yx7vNvj16Duq/rDRZ+sJLLMpiAtjRmCs7vn1lwLdDEBZE3yS
+KM2Xbt1PQrk73vmcJXQB0Wsg+sAME4DYBY7WrwlamAE8+pGqLet80oXXszbNmm
AtQxQPqYAF8YLgxBnw2tn9ra0cbFaGfdaXL+MdIihz3y8R5wyfL8DQu+AKqTP4cq
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AlMhF/ACGwMFCQWjmoAFCwkIBwMFFQoJCA5FFgMCAQACHgECF4AACGkQuzfgYEBL
hc/cSwf/XlydoD4E9EgyS2oFgca07QB50lyzY/w24ZxEHvWiNIwWSnCK7Kn4xlgZ
Q6E/RN0BCqoRex+d2FRpx0TeWm+5h1HdZ7b5uus91hny4wftJKfTIuedJ5Tacy
CY4IU50/zmrYi+rg3EN5P19sfdTfQe19NYhGx06H627wWqb2JhB/y41cPDUsoG8b
Be53FcjGFRgYiIay/B0LGP7i08FyQwnKLxdBIrWk+//PHLq3kN6woA7YMGq49jfb
K12Vls+DkiuCoT8l0L5TeRNS+mCd8Cmm2WRg8qA0DhpcvjdVauyECgN4kRUWoRZ
QCpkoEnWP1dkL/lj2Bw62Cl4ajpjI7kBDQRTIPnSAQgAsk17Qjdsutky6kclen70
Z5rtaDLk8UU3bgyszrkBcHmF9JzaiATvorGJhwyzp1qs583J7Gnv4v/3Y/gidaP+P
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VZxsfgJUFyVai/nmvdM/txFzaaXQ04s9d/etTaNM9l06mR4+yKPGn3DdBwkRo2Yr
v6le0pRSxgRv2hT99kdQbTDGrnyc58CYL0xJ3CD0lsNazEImfIcPkqS/7BNqp3yF
yd7kQ1gQbvXzoybJ3evBsRX0S1G1NVICNLF/kUAxZFaKADXh+Eo0yFyn0grJRjku
/wARAQABiQE1BBGCAAPBQJTIIPnSAhsMBQkFo5qAAAOJELs34MhGy4XPXn8H/Alz
J2cmmD4HPq43DTKBeCp7mZrIi4mm0K65rxC5NS/GrTzfuzgC8W7mUVfZztyNLbCn
MTwITsV6PmQtW1b2U7XGkwDDfovYYjB/w7xdEHn3qRBg9hNqcgWgXE9mZcIMRJHN
J8dzTt6SUwSZSR+AvvdTyLRi9lKtB002Y6UHApm8LqX3HfA+Jlriu1lFYJ58aLlY
ISy0+j/gZmw1/KJFsYlJ78H+jpRRQvZ1DNtkvSsxMbmJqwp3HqcTEgq6Uinzuba
qQiIPsJ+CN2wYq+MICABA/Ta42PwVlzJNnZbWleUwYjzURb0Pf97IEydhrrqNsjeM
rAAsFRW5LWqr0TOipLU=
=U5nQ
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.34. 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

```

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

```
mQGibEM/sJgRBAD26RM3o9QC+V5J06/zr3ffRnNb08Bc6YIvpTd8yUhc4AIa1Zbg
QHouNZ0p0LffeZ3i0wnqV3lMV1cPMtvSRWlvh+XSiSg8hYlnh7+oAwmqs0Zev1r7
w/In683ytXREuidcak8qWq4GAKET20sIICV7Ye56HJDlKrt0jUWDhVQJvwCg8jUp
CDtJ8V6Cw6GgJxH1iaNR1X0EAMKCUJwZgIoh2Rppf rbwv92AD7dmaJLLVfnUSMCE
Gvjcz+041PpvWi3PkmxgA3Zb0sJ30SfgPi3Tnj3Nllyhqnf3W01Yumzq3myBg+F/
qH9a8BXvVJlK/2cbYUC6uJeGMCC971X3hceu51J41k0ano7/ALIWeoUC1HhkA0aP
f7IoBADkQCDuIvdJ7KebBMgXIHWAJnycVZsXXQPL0x0gty4+0VMY9PfpEm7T+1DM
mWwucntM9tSYuInbUPco70LBxuHhBNnhiU0tkijZ5GK/VF+wPnq0EopkjL7LD2q
wSYqGaBPbl/noAoEb3N7h8D94kJUF7Gchs9fCH6UxHd+/Q8jbQhVml0Ywx5IEJv
Z2Rhbm92IDxidnNAZnJLZWJzZC5vcmc+iF4EEExECAB4FAKM/sJgCGwMGcwkIBwMC
AxUCAwMwAgEChgECF4AACgkQoL+wd7MgF/cbhWcghoShm9pCHbiUjXin1mR+0HaU
XvAAAni0PvmeKUuBBKCC3KLPIhfCCKt9viEYEEBECAAYFAKM/zzcACgkQhdRQRWtp
GwOrjACfRjUhojMI3sBMsJh9IuCwj8CikoAn3RLHMmCax7JIIAMmg2gC1qjIUsU
tCRWaXRhbHkgQm9nZGFub3YgPGdhZEBnYwQuZ2xhem92Lm5ldD6IXgQTEQIAHgUC
Qz+yTQIbAwYLCQgHAWIDFQIDAXYCAQIeAQIXgAAKCRcgv7B3syAX91XMAKDJ89F+
46BctXCALIn53c89waWDRQCgmCHSVr/rVUMU6fnyHtoNvYXtkFuIRgQQEQIABgUC
Qz/PMwAKCRcF1FBFa2kba/bwAJ4mwlXag5w3scB7heyAtqr7w6491QCghh/fVv3t
E0FNlmwonrudaMSIYtm5A00EQz+wmRAEAKke9/e3jLdX8i86+J0eT0AypCQy7WU
QajhZDFqBhbBQTDTRbcYG1dLYd/sC9oUwqgaLe+yEYw3JdfsiAiHsE2yZ/S4S2wTL
7MrUq0c1aVpU95c3Xcef13DKCMx36B4EbMwJa00bU5ut6/7tHly5Edb8nkn5vKP4
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CZJLD1bSrcPFVjWajXqC6NpAAiCdQapvV1sJK0F09v/RTHdPAZcRnpg/Y52jDohJ
BBgRagAJBQJDP7CZAhSMAAoJEKC/sHezIBf3nP8AoNBIM6JqCrnzQealKln3Tc+t
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=bBFz
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.35. 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]
```

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

mQENBFInRrUBCACHJZzXwdbV1c74MEQG4ZLWH120/+3tVwLwJQvIFFrzfIHVB7B6
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irGokL505bbNnn75/U9j92omq3FQEhh7ew1Bdob6pGTePJ7J+wJxAfmLA9e2TvMN
csvsyG7TDc4EbyKlUcvoxPwoJRVWZ8RaC0I051PtaLUXtKzDiQYAvGKBsaPc1RDP
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ulUgxcRxiFAGM40rdF0WgkSL5TvCmeBKfgDZABEBAAG0IFpiaWduaWV3IEJvZGVr
IDx6YmJARnJlZUJTRC5vcmc+iQE+BBMBAgAoBQJSJ0a1AhsDBQkJZgGABGsjCAcD
AgYVCAIJCgsEFgIDAQIeAQIXgAAKCR0vo5QwyyZIWeSB/0Vcrhoq5YKX7oQvhHF
BgY5IruS1hWhEtBUmMcIyQuCCK3LAPcG1P5XRkZGyMwPmdfyWjTxojDhztfk2UL
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xPdLlTrqBXmedXLW86JdoYIbgb5gt0vlwjqrLr/w0d193DPbvZ0w46iNH6CpPSS6
boCyJPAAnMWE0j7QWmxwBRIcEJR04b5iULhQNB8eUiZvN69uouuaWP6oD+cF7g01
honULx2MQYoZJlKtaV1iRu75CVrw0YpqJkRajyGS42UcjJJpJegkWEKq2DWGdEN7
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+JxZMSGBMLpxCiu+1a7kAAWhnfUeL3uSooY09GUAgSu7EJI2DbZtpbg8D8iGwWor
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MosbP6PSLU8KC7L1V0P0+MFsKmmewVihSvC9IRnEwrmd+UXH/UPrtY79VHprfRw
ze8QBkkPmc0foc8YoBGVlcmcdE2z9Wg30r4SNgeTABEBAAGJASUEGAECAAFALIn
RrUCGwwFCQlMAAAYACgkQDR60UMMsmSHxDAf/VIVLZ9pF699WHbXiv4LwApZUB0IM
Twh7r0Ia4JKwV+fH3EhKEgIyu5LKuIJxctvqKgZPzeySZY18F8K8cKmfBrCuhXVI
0ma3uirjBmb8h5c3EMAXcjFBrj0X2Q9BTDLctcL0MgMKIIAQVgyYNkp32nQZiieA
6HQV+bQ9EXKTRHLSVfKcix3C8tKk1B1BC2uf+brgLLohBBo5WTNuiV0prYLOGl
1UCFu+pokvgnBkZjigIGY5wjDZfn8/HZPoR9e/g/B0A8g6evcJLdKyYnSMQ5EvZ
w3gJYB1YnEoadKZRp5/huQLPeB1s4ggt0yu2B5rRNXsJrSEjC/KCzXZo5w==
=x0i8
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.36. 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
```

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

```
mQENBEz5PvIBCADeYwRgDxobBqM8Ue21Jh2U7HgS4j5gzACCKF6H++QcS0ohTbw1
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.37. Renato Botelho <[garga@FreeBSD.org](mailto:garga@FreeBSD.org)>

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pub 4096R/9F625790 2012-11-28 [expires: 2017-11-27]
    Key fingerprint = E3DA 9B2A 6160 99CB 4B31 7641 F1F0 E7A1 9F62 5790
uid Renato Botelho (FreeBSD) <garga@FreeBSD.org>
uid Renato Botelho (Personal) <rbgarga@gmail.com>
uid Renato Botelho (FreeBSD) <garga.bsd@gmail.com>
sub 4096R/473CC82A 2012-11-28 [expires: 2017-11-27]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - http://gpgtools.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.38. Alexander Botero-Lowry <aLexbl@FreeBSD.org>

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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
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.39. Sofian Brabez <sbz@FreeBSD.org>

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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>

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.40. Edson Brandi <ebrandi@FreeBSD.org>**

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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@fugspbr.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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-----END PGP PUBLIC KEY BLOCK-----

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### 3.41. David Bright <dab@FreeBSD.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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-----END PGP PUBLIC KEY BLOCK-----

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

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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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### 3.43. 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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-----END PGP PUBLIC KEY BLOCK-----

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### 3.44. 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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### 3.45. Jonathan M. Bresler <jmb@FreeBSD.org>

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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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### 3.46. Antoine Brodin <antoine@FreeBSD.org>

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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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### 3.47. 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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### 3.48. 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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### 3.49. 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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=rJ5H
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.50. Sean Bruno <[sbruno@FreeBSD.org](mailto:sbruno@FreeBSD.org)>

```
pub 2048R/1201EFCA1E727E64 2014-05-06 [expires: 2017-05-05]
Key fingerprint = BAAD 4632 E712 1DE8 D209 97DD 1201 EFCA 1E72 7E64
```

```
uid Sean Bruno (FreeBSD Committer and Clusteradm)   
<sbruno@freebsd.org>  
sub 2048R/E1703D6B0E4E4A20 2014-05-06 [expires: 2017-05-05]
```

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

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mQENBFNpA4oBCADVZ7/E6I/Yr0NIHckfBaueUwhBEE/flsksQq2w6Fs0WyLnpzJ0  
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-----END PGP PUBLIC KEY BLOCK-----

### 3.51. Ruslan Bukin <br@FreeBSD.org>

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

```

### 3.52. Oleg Bulyzhin <oleg@FreeBSD.org>

```

pub  dsal024/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  elg1024/7644AEB2F747C159 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]

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

```

**3.53. Michael Bushkov** <[bushman@FreeBSD.org](mailto:bushman@FreeBSD.org)>

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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]
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DDePyHFGVWqtKZ99k1vGxZRf+vVXaKTBkGY3Pek04knpP5R0GA+JjL/Ew5o4Swn
FeD9aJ+xtZ9VqTUyl+U4XwIYLRCwzbqsbGp0D0jgry5Xhiggn7xtNSB9/44HuU
C5EQWvi35HKNdXMq4wsOMG68DCTE3X0ABA5yPY7TiE8EBECA8FAKXzlgACGwWF
CQHhM4AACgkQchbHPPaUxuQTRQCcCfrtwSXFegD9D0pYwa6iIy9gLIAniDI0vRb
4L8/nn1Nbu+PBNHamCHI
=zD+p
```

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

**3.54. Adrian Chadd** <[adrian@FreeBSD.org](mailto: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-----
```

```
mQENBFU63IYBCADyY7txJ6kTExpEfgc9g9VehBaNLojpv0VLAyrM6Sx62j0agMMJA
T0LgvpI7dXWh4gUk8AYMzMCus0LAF1/X4/oe9/0APfsjTgHsiaQ0xsQHNUVsVieb
IyrdTtL3ZJjrxj8nss7L7EcS+aZq834eCHba+uy0U16RnAWjxHpQUONIYnHK8Qxm
yUMW67g4DvfrW0vpdBJ2HfPEof/sZxSJyeH9wxdZEiJMqq8wBQNOjml4t+qsWEa
gTw8GBJ10ZD/B/zZYUapSFCxxU0t04Rk52Tyyhaw6AdgYv04dzhTMpzAl0gY3PQZ
r5ynfMgRWeUH3jNw7GwbByHoLXvHELcUwLodABEBAAG0IUfKcmlhb1BdaGFkZCA8
YWRYawFuQGZyZWvic2Qub3JnPokBPQTAQgAJwUCVTrchgIbAwUJBa0agAULCQgH
AgYVCAKkCwIEFgIDAQIeAQIXgAAKCRB8peBdafPQ823mB/0eIyy7hen5oH2pv0E
LA60ES3o0Wu5mi5A2ocNsFenSKi4mqpk6PHBD8+1YXIX2sFqxU6DEY75DX9bDHHq
A/4fV2jzxK3qZwivLkuJei6+9xKboY0w/vT0oIAMR+EPP+6wsBjc7rn3q0eI+lrc
kLJOUIhrOHLXCESwrrsuQ+RylqV3RI4tvhi40Y1WfhckzX+tG0Zn7hAfVrWdslyq
```

```
xuhib4Jv1M24lisXosbvWa2Ld0j6Juj2Mp762gyk255GBrI/KrEUiBTi21x3FVj8
7IojmZ74StZEAL/yIqYlUkUBL/Ry5veAVX59YZTfbZKIhm+MkKFtnw+Eve1Az2W
ZbY6uQENBFU63IYBCADGNTRHMCKLgAT9Q05Yp6ScoPXaehbHzFYMYM5nW06j9hti
jTaiE0w4yAfFca+6447WcyyIAjXaIxSgh5e10rCD1pUTvTsm1pNWIXjoJoXPnvit
9o0o0YmaVGePAGvmkP0ysdprIaP2PwyASlab82NFsahhYMsY0kgZMN6030eSjii7
oFPANH4PTq1hWxM0pkQh5pDb2FzRPf12z3zwt62TfHTX0Hs6Q8VttnUaqPaQ5rFG
4jnrj5oQh+35VLyFBRozAbI21lIlKdCqn1/T0gQCBB012IBN+DX05WbpJErAZXbt
lQJVcsl1L9RND/lVbEx/C9N75EGNvBwjgT6mnU0ZABEBAAGJASUEGAEIAA8FALU6
3IYCGwwFCQWjmoAACGkQfKXgXWnz0PPt1Af/Wf09pFPColQp+BBnbD20MJEAIs7z
1MBBDPZbJk/01ewB3j5lYmLcmfm7Wfw3btEzfhan/I+7Kfjhz8W043DXsd/0JTPN
YfDgG3Kq4ZVzVt3VT+ckKkY7WEyA+2g6cB5x43yCnN4EVbDhVdNz1ycQvEL0EbP
Yc0vo9Avh5c44ntvjBRej9682IYI55weLRNTNECaJtuXz90F5ScyTlyPnN3Y1Pq0J
nkpVAqeaTMDnN3sRLu/76FirFKxje9oLnuxwZ/AL0tFvb6R0Z9Ze/CUpEeEYu+Ii
HloylLJ28v86sFeuvsoHuoX435WwUJNuEhofd6GGmIKDmIfeIPDRY9ryGQ==
=rZpw
-----END PGP PUBLIC KEY BLOCK-----
```

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

```
pub 2048R/A56543925EE9D871 2014-09-16 [expires: 2017-02-07]
Key fingerprint = 4021 6646 A364 3729 C754 1058 A565 4392 5EE9 D871
uid Julien Charbon <jch@freebsd.org>
uid Julien Charbon <julien@jch.io>
sub 2048R/957EE70462461D7D 2014-09-16 [expires: 2017-02-07]
```

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

```
mQENBFQYC8MBCADyWruoN+afJHirHHRTAg45L8a1PSAiaWd+yroJyWixmroLXxSc
i9dM1lwb5ZLTcedwQ0SfcZftgh3e8IdqqbvoQTJUmwRr5bmXRHmiTGLUiT8Wtyr2
XN4rsL2XEAnYwaa8zQ0ynarYY+HEMdTyUFs1rgiXTiEy27hAnVnoULRIy+0pHawh
Dw1eUbCCQI1HyN0Ye3sWPQe6yyeSZyh0jjIrtiFI32xm0WFOYJk/uep5mZ55cDtZ
6oqR8UssWwgnfMkn/nFD80t6TgqHfGj0MeLR6GLT8SR79TIWIMP/nUmWV9Z052yu
iYxQuzsbBxZfv61AwDKtk0C0ZAZ0hPskzHqfABEBAAG0IEp1bGllbiBdAGFyYm9u
IDxqY2hAZnJlZWZzZC5vcmc+IQFABBMBCgAqAhsDBQkEgZCABQsJCAcDBRUKCQgL
BRYCAwEAh4BAheABQJUGqR3AhkBAAoJEKVLQ5Je6dhxm2EH/jS0Tk08j2L3/Fj0
y3tT8ecnkPa0TaQDYz0U+tjWCYIjr65f1XjxG/FLJ73ISEAj4Kp73P47AnCyfs0Y
Skc6k0x/0KY6CFhu4jkIU2t5dpo6a3+3mP10isw1glcAPAbLa6/DydeKfRf9ETD6
Sh47uvIeU3ZP0Ew8r53Kn1VGTUrFziCb8Jru2YMxTAtH9H3dco+uhkfid79cD6Ds
Bn6zgjX9cZxkYUV581kfmZ19TZS1sypl8i1hNjblRlqGLZ2gRqp5YLvY8FRg+s
jGvVTL8F1etadvhecye5vVIt6u5ywd7bP7JzpwKYvjH6N07Frbm5nV41A6cY8Ge
EvC1/fe0Hkp1bGllbiBdAGFyYm9uIDxqdwXpZ5AamNoLmlvPokBPQTAQoAJwUC
VBGLwwIbAwUJBiGqAULCQgHAWUVCgkICwUWAgMBAAIEAQIXgAAKCRCLZU05XunY
cQyNB/9/bprFuTag1BCWpqAvFt6B6H9KpppcxoJ3/to83j6uD2bkoDhexW7PgLGs
06mTmWl/ytY04k1Q/tmb9U9PoKJySa7DQcvuMBV9+Gtdne68hQbEgplZh92zzdQn
MNz81KIwZUgCS6F/Xxg52FbPEaZWwVoZoWgZiXdXfyjR1iTLrsK88lg6Inn6PMRw
gD0QWl7rRPIV1NjgfwW+embeg8S/8tzjTN5P5aRdNGrD+LWtq6127MEC3c31Qwe
/hkSJMz0HqGP1RJCQWgYgk9mKcQoWfyek9bv3IV/xiFPN9PjkeYUgvz2caRm190
U28fU0dG8LsKrtjI5QLYZtI/dpTuQENBFQYC8MBCACp1ne8gqHmj00GFREhAAAdN
DkrBTDjpsIy9oLKRFG5knIFBecvWxXiYSy9pI9hYW5QRyuVpZrTT6pNuzhh0aR0
aqIbFAl8QqW/90q0rRPWJ0Jjdz+WKYfTyKAD+Wv7kMXlX4UB43JtLueCS1xuc+5F
7zIqcGAgco/ztk4u7IhK3VAGVMtea1cKkjybZSuECwDp8L0e0M0weqp7eL0ubGM
a56wP0gWNSm01xG/q0RjBd0Ke4WI+dPYLVQnwmI9mpjD7xwiEzQm60lcBUwsRZSK
pxsjTePeIyJ/yPySbzKa2GALm8g0SNvFSgRtrh8mjaJskply7zteplRERHvW9yEj
ABEBAAGJASUEGAEKAA8FALQYC8MCGwwFCQSBKIAACGkQpwVdKl7p2HEy8wgAneLg
pRK06QVGrOKk5CTL2j776Bv/3jvqyxQKJPLcW3JAZxwB3Udx1ek4LpLxUMQ4/+HP
Ty+5xiwYqQ3IJV+h9htRV0wbKx1mKzMt01fUWkVZINLbj2XgJjeQedWJ/+N3J7aB
7ebUrxxQ69cquUVOAkUrCdNbT03d8pEQxHRCJu+AVBHKThA7Js8uo5UzYgJ/Z5Chg
4P7uR1W9ixSpVo81smbWfnyenMEH0j3T11MST9QmyAoLPz2hi6fnuJnHJHP09zGv
jmmvn0ZLuAxEHYSEaNIIdKJBrx0gci0aTxQ9LCndtz82LTPgxwzrXCL76DCT9xJdf
cVQo3JERh55WCqr5xQ==
=LPHQ
-----END PGP PUBLIC KEY BLOCK-----
```

**3.56. Jayachandran C. <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
```

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

```
mQGIBEv0X0gRBAC9mFTzSKBVumLXJwWdkt7HvSRKo64Zs7B0/tYzt4dWVIzWwUC/
Z/Ns/X3Plb+sXp7mcvs+oLKiHw3qrRT5wPbef3V9hFfZiKd0fme0v5fx1sIXejBC
Cqq5ocAoq0bqf1S9i7vnuqfyH+9SRP0v006EnKCU+7sVMFXAuxDhm1+u/wCgwRj3
tNFbsptDZ/K5SMLM44ldK98EAKpSRVSMHrI/nxXvrNcPhedsC9MXYM0YE/qlla5k
b+qNrD9QCJRwbz1LvoJGeOzEmtZ3afT048Uks+RE03w+BhqJnuFgpAKqA39Fop0
MBvDuZ7Wy3iigeBx35PAQ3h4FhwDTzsu9aEg2Iv/WksDqluQJcMkt8sn5NffhZho
z726A/0dPvVHy0darta8LHKfou07u8y5/950UVITjG1QJ3RGvWQV7aPEjgpJQlQqR
BMr3T00J3YGHY6xkaJk1fijb8MpSlihIr+Lyvhu8xVb3GCrPCh4Bff8f035+wpB0
62p09dL4mJcD1mELJhMAMPpqXAXD2Ho76/RQ1yZLmH/xyAPTg7QmSmF5YWN0YW5k
cmFuIEMuIDxqY2hhbmRyYUBmcmVLYnNkLm9yZz6IYAQTEQIAIAUCS/Rc6AIbAwYL
CQgHAWIEFQIIAwQWAgMBAH4BAheAAAoJEPsGAV8zFuRlNKEAoKcsMnIQFgek8hH0
6a5pF02DBto9AJ9GLT0c30BdX1oFFQh/rsRYKPKMIbkCDQRL9FzoEAgAk8FWde22
yzxXI/qwRo+o6Ptm9Hae4reggr0boqeQcNv4ksLd01s7tJoagLogi90TLrq+0V4E
CvkckKH5ltijMsITeWf0BwfrR1C1I59yUYABtGkw6f3bBAPHncDhl6dpcHymP8CM
PiBrx5s63ja/CAKFAscUCUe7A5vYK91BwAJJ/IK9U0NU9TUyimRRv2C86rQWV15N
R8WE55iMdmFsu/Rkv5P3IPNzaIjcvY19iJ0uxfeDTiKdp9j1QWwU0ShrAHXa/Cra
JvcNo4Iu3VeLkpaFw5zBvIbFQCa8LfrWfLPSEM+tCk9nH5zXSvWf6dDwVn66oo1j
p2eAjrUEFnfq0wADBQf/VGVl9qx/d8NMjhMdaV6qvq8DfHy4I/BXQFERgKkFfrAd
n1oGEJCT1fHtJNN79nCbYz2dlfKqr6+Xcdy7RKInGHs9DwK4KfVU5dA5L3f81wZs
OoMNuk64kjTAN867PzWdv7o+2seSa/9phsWEPcd+9qtRLi0cIZ8xeoecBS3i53mp
aT1HZuMLFmM8XEJSA4l8QfupBigr7Gq8z0ChwFMCZsVLvX3MtrTmuVLPnbJ4g0ku
28MACNiHkbfw5A7XhJ8re+Rc83s08ak26m00FQeh5qsiVj4z/pmFGrYmeH94CLr+
bC+1nwkBAFxfZrRuFzctly+oe3MSU0UUKTXUikovr4hJBBgRAGAJBQJL9FzoAhsM
AAoJEPsGAV8zFuRlI3kAoI9Pl1nGD/sEvV9aGkLFAK7v9A9JAKC8ReU1wrQLM3z9
oA5JjxumuE274w==
=kEvt
```

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

**3.57. 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
```

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

```
mQGIBeIkZzcRBACrskM06BYlK30ghgpDYTu1UEgp0Y4QdghWeEP5kppuDy7kf87
CoKVvE/u+pVd7aFoTma7ikqxKH4Kh7wnDEbFnzeZGtsf0Fzw5oHgoaQQLZHGRtr1
49UuyFnRWVKyI8IXS25Ie5p6ZlbAVFIN0dJuP8lgu8SffsoifnKIiWrTwCgzhTU
uS1rg+TpKkiRnkXXtpVf9k0D/3/OADlTo77GAWMXl6HBTaB3BXB53Q4PozvGDter
lWgKbx6uYvLq3ZPX1XBUapzJ3eoEfcSA++FeSzk+tue/ulblXmFhXSQWtXoRo5D
I75u0oXlrc45uLc9Xk0peZ5dF4a1iJ0GHe/hD4mmyrWIM+E6cy1lL4EetM35ZiEM
lHQDBACehJoEdCAVM0cflQs33/iTBRBE7Z6fN9DCH3kTvoYcgpZsFAX2WQFz085/
zHJ3NVFSH8LCi/6ck5ZeXCasAS3L99Q/1o4WwmlqDj/b4PBdf0efInLJkroiJcQ5
B2I2cH2Ss5kkwqj9PovanMwNY6Irv2szIViEThB+16hiuzaK7QjSmVzdXMgUi4g
Q2Ftb3UgPGpjYw1vdUBGcmVLQlNELm9yZz6IXgQTEQIAHGUQqiRnNwIbAwYLCQgH
AwIDFQIDAXYCAQIEAQIXgAAKCRB9mFiKwhYZR31UAJ91fYdpk0PNNr14jtURyeeS
upTEEACdH7t0g9LmYnXaAi0iKwVInoA/TNmW5Ag0EQiRnPBIAIAIKVE+F4De4BWuab
6LREy3VmvNQHSF8LHJm4TWKYGEkNhG+sIRFdJExqKG+N+EL9QY4QggezdogQIYk
RBSg7nWzVrs7DiHJqC4PB/f23bzJl24Cg05jtxvZBz7t4lNXwY9G4kTmDb815FXd
1p8gwa1KCNsTlKVRJxbaku9gHs02JZigLMzzF1Zt1vGtaSHX5Syjh0dM0FtjuLed
NAgl9vgAoMpXLf2Saom38Lgv/jnWz90fST0P+0A/JmqN5DqeRTlyVZdQ8i8bduYX
```

```
xmtbBP0GHwXUDxiXMULkdjKLLrY1UaizR6/ULI6+cPrPLZFdnr+5GK6ZoTXyJ2n
EUUxpGMAAwUH/iPguYUdGVnwKiwqojHq9DzDb09qvPg+UIEjwZA9mPExfMPLo/1b
2NLg0F7pqeLUxfiN84i58sipi4/ntlsNSzCYKCH2t2Wmfjdfpa3N4JaVptLR650x
Lzj3egnWJKpHVS0+v1U7BSYBnaVPGfOMQVLS05ra41SiVyZq6laX30PXXIFP60cx
VWECLmTR+L1g/5Nvq/L6NPv3ziusLbSpvkLhTxLosaQwYFwPe7mLKgERUKDNc1u
EXqyf8No4LKy09V6VLcKMG4qbjQZhm9ozCmEYoKFZLafsq8czdNIKi4JV/8aUjU
CsR5Dc8XAdwzPq6DBcikn1UBnvotbHtAFNiISQQYEQIACQUCQiRnPAIbDAAKCRB9
mFiKwhYZRw2hAJ4mmNxtlCe9yUHCzxsUxl36gQYtwCfQZ3f8K4dxPU2CLJ46fTf
FqQS584=
=KYGd
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.58. 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]
```

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

```
mQINBFWA3NoBEADLrqhThP4dcwLFA0S6xiSetGScSs9f7WkrbJPEEZqNxp4+DCh
7nhsVZEFsqCdwR203x/7cazG7rSvUZNLxXa64//hHFkyVZPxpjYu6KaoGBRuyo+La
G4zpkLLJVPRIwv0LQqmrSbj3ILY3U3j3oo/P0B5gkKyoni4WljI8ij10jK48+0
1nsN/QYDHW6VYVqqkTgN8Lljhf/tDdQpwbrIyw7LA0kPrP90xh4AuCNvbA5GM1y
sLHhSKeYmj10ls/QTSQQLLqvXsqnVKm1LCgk5t4n1qocQd6reHaS25EvgByKyth/
uGk4TYM+3uYdcKsj3gdUjnAGxa+ph0F9weyLhEShu+kgwbsKaFbCaI04v/09JuWa
tppcZ4ISXBmGdX8q6q8HBLnh6L7f1Jjs2Ma1rEZduk3eI5ZifLwcHcZHG44ecZDBc
a95rDFBY+C8om6U8KbiI+P7jdaV0Nddb7HyY1UpKCQ5plrYWiTKNlzwpz+YqcfkN
PgAN1+5g6esWRZDQL/6Ij7bIs19ofxBM3N/nh3RvqJinXR3GCfsrhh4aTY9UofLk
mHVfj3IqD60sShmk+/B9TgSQjqfWya/6Lad8A0SDItr1hxXh/K1cs20ZkxCygJUW
4eN/AJBKVRK8dPEccq00ihx30cd3W7THLZqowUbhF+Op5qNTKKc4Rh5HkmQARAQAB
tClBbG9uc28gQ2FyZGVuYXNjYm9uYXNjaW50b3R5b29uYXNjaW50b3R5b29uYXNj
AQGjAUCVYDc2gIbAUJBa0agAULCQgHAgYVCAkKcWIEFgIDAQIeAQIXgAAKCRCC
4TmcEeaCCA2wD/9bG0f2LKMfQJh9S0NwILQw4301YE4qnTmTeFXfCs8ZFVYi/xn4
oHAHJR6RtB+NkIzhq0ATQ0hZjvv4Rt/G1snp8AinjJR+TNOGdZw07yv78AA6U11
qUp7HySd9CqDcdjVTYyCGTZAqFww+PtBG5V0EAucRznuN/mt40F/+2RX1k+jA3GK
T3xvF1N8gtsMqqCedgEmZgqULRuyT00/E47+knNjYvUuTUDzk4JGEEdMmcYixD4k
xNku3yExFZLJ8+wC3y+WXgG90v20cOPQizYHNFf47ZxeB6KUPYjLJ6jyq9szNZ6
4pIHvVwE1je2w/SAqqT/wwP+B5PV+7cfDnQ0SHvsm6mhF5Wmu2K6eMf3WCq/mt/f
M6vaiFoD77JXcFJ340K96B9bAavSUR3xJkDw0r3ZwGp4NR5ecbSgsbrnRJEhTE1
FrI7/ddv+ohuidZm73dPnZu460Zuljm4i87itLmyARoMF3gWRFFB4b7X6vIyb4tp
qvZbXZHz4B45ntxVgRiXqGiddQF4Dk7ILAWvITJb7jnm0/2+ph5L0bmMX0pLDE
LL+Y8jgdUsLraLeRon+1CgEJueKjbyZVHPKoiarfSgRLxDbfc/FJjaG6muF1NoA
RR9gk7VS/idaTzncrriiACPjESfIwklgvKaRnU0GMSDPgHmauyHBpWTCFL7kCDQRV
gNzaARAA0YocvoZKmqkncfEm/QvuX3AxhdiVT3NlLwBdTjNiQdBYgNhdG4m2fnT
CDe0AIXCcWlK3k6LgzazT90l4eZQiCylylym3/rq6+lTI0dvPc8CaKQ02ncQNM7Q
2EnuP19N9sbd8bd/oZJTNpdVuQ7kwJE2wPoJI4YWrg2cDvgn8tyizmlw2+s1Jfn
lCLwMp0lgeABTV2xNlZvRxaDB8AIP8ubiA8Sejn2Xfb4aZ1NtTA001pa0Mj04gZ
Zc0tVzV0PVLI5WL0drG6TZTm9IxadQmUKf45opKsfT1Bnp1bHWLCuLFTZbQJLoR
NCyEIRmEQ/8ZEHwr+dXoosscvOd70IviRGkbrFSfwMRajZdVcoq59bYqFR0Af6fu
Yp0zn7/rLZ60tJLhjBStpXhAneTjfpDcKlZwPuSLRobwNIeVM4LCGoTvbKEZn95R
C0+t9DBCK0jUW9Ayx0PVfIyXUDYD4JAqfj1en6FoRfaszm2jHGpedjNnc7rPUT8e
+0XVWNH1me+2o4KqgCHZiPD6UCXYZxv08vL5/kfnRyHypvqvdQAOntC0LTohDkLP
J+russUblRck/IxYAvmfLk8SbuAqmcytXkWMcyVSTFNXIFY3adQ0XWhUV9+sPXT3J
LCJ/+fA8y73z5x0LhKd78w4N3zb2Zf3f9nLpP105H7WPXPmcyUAEQEAAYkCJQQY
AQgADwUCVYDc2gIbAUJBa0agAAKCRCC4TmcEeaCCGPYD/49p3NvdTeh4M+kbCX6
xMYDUANqpyfmbmCQDn3rBarrCh8fZrudwCb1EoSetRaVrdiIdi90dt8C9dlKyWGI
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HEvJXW3dFBz/0Anl78RlslBqHA==
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### 3.59. Pietro Cerutti <gahr@FreeBSD.org>

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pub  rsa4096/ADD0D38EA192089E 2013-09-23 [expires: 2018-09-22]
     Key fingerprint = DA6D E106 A5B8 54B8 5DD8 6D49 ADD0 D38E A192 089E
uid  Pietro Cerutti <gahr@gahr.ch>
uid  Pietro Cerutti (The FreeBSD Project) <gahr@FreeBSD.org>
sub  rsa4096/3AC8004B408BA46A 2013-09-23 [expires: 2018-09-22]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.60. 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/6A3FDDF9 2009-02-27
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.61. 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
uid                               Hye-Shik Chang <hyeshik@gmail.com>
sub 1024g/A94A8ED1 1999-04-23
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### 3.62. 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>
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Comment: For info see http://www.gnupg.org
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### 3.63. Jonathan Anderson <[jonathan@FreeBSD.org](mailto:jonathan@FreeBSD.org)>

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pub 2048R/B11B38049C0EE010 2014-03-07 [expires: 2024-03-04]
Key fingerprint = 563B 20C1 BFBF F638 610F C584 B11B 3804 9C0E E010
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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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.64. Fukang Chen <loader@FreeBSD.org>

```

pub      4096R/6BD4DDE6 2012-10-26
         Key fingerprint = A33E 88AB D358 DA49 59A6 B263 A9A2 599C 6BD4 DDE6
uid      loader <loader@FreeBSD.org>

```

uid loader <loader@FreeBSDMall.com>  
sub 4096R/1036D26C 2012-10-26

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

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

### 3.65. Luoqi Chen <luoqi@FreeBSD.org>

```
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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### 3.66. 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
uid                               Andrey Chernov <ache@FreeBSD.org>
sub 2048R/85902C6618402312 2014-08-09
    Key fingerprint = C8F1 E3F5 999F E916 FD0E AAE3 8590 2C66 1840 2312
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.67. Alexander V. Chernikov <melifaro@FreeBSD.org>

```
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-----
```

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

```
pub 1024D/EE278A28 2004-02-08 Sean Chittenden <sean@chittenden.org>
Key fingerprint = E41F F441 7E91 6CBA 1844 65CF B939 3C78 EE27 8A28
sub 2048g/55321853 2004-02-08
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.69. Junho CHOI <[cjh@FreeBSD.org](mailto: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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### 3.70. David Christensen <[davidch@FreeBSD.org](mailto:davidch@FreeBSD.org)>

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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.o
org>
sub 4096R/6B5D5DE299525D80 2013-10-04 [expires: 2018-10-03]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=1Ta3
-----END PGP PUBLIC KEY BLOCK-----
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### 3.71. Jonathan Chu <milki@FreeBSD.org>

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

```

### 3.72. Crist J. Clark <cjclark@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

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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-----

```

### 3.73. 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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### 3.74. Nik Clayton <nik@FreeBSD.org>

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

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

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pub 4096R/F583A92669308615 2016-05-21 [expires: 2019-05-21]
    Key fingerprint = E5B9 3715 A19C 639A EFAA 66FB F583 A926 6930 8615
uid                               Ngie Cooper <yaneurabeya@gmail.com>
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sub 4096R/6D072D4A13D70405 2016-05-21 [expires: 2020-05-21]
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Comment: GPGTools - <https://gpgtools.org>

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### 3.77. Tijl Coosemans <tijl@FreeBSD.org>

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

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pub 4096R/8DD07D2118DCEED6 2011-10-03 [expires: 2017-02-20]
    Key fingerprint = 6911 54FE BA6E 6106 5789 7099 8DD0 7D21 18DC EED6
uid          Raphael Kubo da Costa (Personal key) <rakuco@FreeBSD.org>
uid          Raphael Kubo da Costa (Personal Gmail account.) ☞
<kubito@gmail.com>

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**3.79. Alan L. Cox** <[alc@FreeBSD.org](mailto: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>
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**3.80. Bruce Cran** <[brucec@FreeBSD.org](mailto:brucec@FreeBSD.org)>

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pub 2048R/6AF6F99E 2010-01-29
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Key fingerprint = 9A3C AE57 2706 B0E3 4B8A 8374 5787 A72B 6AF6 F99E
uid          Bruce Cran <brucec@FreeBSD.org>
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sub          2048R/1D665CEE 2010-01-29
    
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=XNzi
-----END PGP PUBLIC KEY BLOCK-----
    
```

### 3.81. Olivier Cochard-Labbé <olivier@FreeBSD.org>

```

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
    
```

```

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

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```

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

### 3.82. Frederic Culot <culot@FreeBSD.org>

```
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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
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=h8ph
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.83. Aaron Dalton <aaron@FreeBSD.org>

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

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-----END PGP PUBLIC KEY BLOCK-----
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**3.84. 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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.85. Ceri Davies <ceri@FreeBSD.org>

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### 3.86. Brad Davis <brd@FreeBSD.org>

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pub 1024D/ED0A754D 2005-05-14 [expires: 2020-05-10]
Key fingerprint = 5DFD D1A6 BEEE A6D4 B3F5 4236 D362 3291 ED0A 754D
uid Brad Davis <brd@FreeBSD.org>
uid Brad Davis <so14k@so14k.com>
sub 2048g/1F29D404 2005-05-14 [expires: 2020-05-10]
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### 3.87. Eric Davis <edavis@FreeBSD.org>

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pub 2048R/F52DF060EC5583DD 2013-10-09
Key fingerprint = F368 53A8 E3CB 7135 3140 2AE4 F52D F060 EC55 83DD
uid Eric Davis <edavis@insanum.com>
uid Eric Davis <edavis@FreeBSD.org>
uid Eric Davis <edavis@broadcom.com>
sub 2048R/156FF9FC786CB51C 2013-10-09
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### 3.88. Paweł Jakub Dawidek <pjd@FreeBSD.org>

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pub   rsa4096/0x954B852BB1285B75 2015-04-17 [expires: 2020-04-15]
      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>
uid   [ultimate] Paweł Jakub Dawidek <p.dawidek@mobter.com>
sub   rsa4096/0x8EABD55DE4D6A714 2015-04-17 [expires: 2020-04-15]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.89. Alexey Degtyarev <a.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 <a.alexey@freebsd.org>
sub 2048R/6D5FB75FB723C378 2013-11-08
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.90. Brian S. Dean <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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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see http://www.gnupg.org

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

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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

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.92. Vasil Dimov <vd@FreeBSD.org>

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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
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XmPkHj0KHcksqg/fYw==
=Yp1b
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.93. Roman Divacky <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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hPc1pmE9Ty2n9XkmT7G3jidTNHXbqsjEK00CZdLJHOKtUstUjn8Mz2PpvLZoj0Mo
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3I1WppEoQQw=
```

```
=50Wm
```

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

### 3.94. 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
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=abIH
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-----END PGP PUBLIC KEY BLOCK-----

### 3.95. 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]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.96. Bryan Drewery <[bdrewery@FreeBSD.org](mailto:bdrewery@FreeBSD.org)>

```
pub 2048R/35D771BB6E4697CF 2013-10-24 [expires: 2018-10-23]
    Key fingerprint = F917 3CB2 C3AA EA7A 5C8A 1F09 35D7 71BB 6E46 97CF
uid                               Bryan Drewery <bdrewery@FreeBSD.org>
uid                               Bryan Drewery <bryan@shatow.net>
sub 2048R/FF5A7FF27D55A32D 2013-10-24 [expires: 2018-10-23]
```

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

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.97. Garance A Drosehn <gad@FreeBSD.org>

```
pub 4096R/CBBBB1AECCAC052F 2015-04-25 [expires: 2017-08-12]
Key fingerprint = BF87 9EE6 2DBE 97B7 3039 1EF9 CBBB B1AE CCAC 052F
uid Garance Alistair Drosehn <drosehn@mac.com>
uid Garance Alistair Drosehn <drosehn@rpi.edu>
uid Garance Alistair Drosehn <gad@FreeBSD.org>
sub 4096R/77B88ECC2BF0AC18 2015-04-25 [expires: 2018-04-09]
Key fingerprint = 844D BA81 AC32 A7E9 D63E 417E 77B8 8ECC 2BF0 AC18
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - https://gpgtools.org
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yJCatF0rPyHPDBer0TuC
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.98. Olivier Duchateau <olivierd@FreeBSD.org>

```
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-----
```

### 3.99. Bruno Ducrot <[bruno@FreeBSD.org](mailto: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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=LTGr
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.100. Alex Dupre <[ale@FreeBSD.org](mailto: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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.101. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.102. 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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### 3.103. Daniel Eischen <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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X7Dcu/DxmdNwdTC9hy0MbszrF/mQ+rv0JM30+FFY5BqDK2/fw6NxCqoMqbxdqwEP
0cB6DavnJ2IBFKFxfweuq6yw0fFaHkCDYq/SFKVs4JcWAT6VxrEfVZVhxh7YQgE
3zJGU1u0vLCxqu624+rbcV3EQyh78hyUuVzyD4eUBoNT2bfQM3YXTTsaKwQEDUUp
LoI/GcYTXMwAYqoVywtoLgJmEFLPsgNchCLpDtWaAxTiTTZGsN5DwOK6rR++77t/
0pSQjB82AMC/0yZFTQ70hnNSuHYTc80YG8dz40Zr+QzXN3z69+gfp50HXvevQuPU
0op41UoAM1NqcVu1jWqqr+vjq1CDdPmZ4HqT2SIhDQWRdIGIqs1wC/v97Mr3irL1
bwlGxw==
=J3ZL
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.104. 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>
```

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

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v4YhytcVi9uSBy8oNB7huiY8IXh4XPgiOKztgCVJZbIgi8ahoi f04eHTT9YG0L5x
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am9zZWZAZGFlbW9uLmXpPobK0gQTAQIAJAUCP/hl3QIbAwUJAeEzqAYLcQgHAWID
FQIDAXYCAQIEAQIXgAAKCRBZxSLZp521PM0PB/91jWBC7yI2obxE+VGsItduiPhC
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AhsDBQkBT0ABgsJCAcDAgMVAQMDfGIBAh4BAheAAAJEFnFItmnnbU8miAIALbu
Y15l3+9knlv4Arv26aYrRcIYEUCCLIGZnD93NPnyEza4WwsUbCvYgNpKb/wojAA3
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```

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I9K1qP5noJQfjrr1w4ib86spyVb5LH3QPEnyvDX/UTBYiYu8UUYonitLZ3iHk1Ku
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i6A0cppdbgi+DDR0FoFKuU25YKKOKL76Vy+cpjYPBPRH3mOTYd/i2xliEP56dTJU
4QqDJpPnJdmvXiCFt5k=
=UfKm
-----END PGP PUBLIC KEY BLOCK-----
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### 3.105. 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@x20.net>
uid Lars Martin Engels <lars@x20.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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=YwTh
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.106. Udo Erdelhoff <[ue@FreeBSD.org](mailto: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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mQCNAi4rWsAAAAEEAM1u8Y60omELX7Wtrh75P8K0L2Gp6omV6iDuwl9kXYhN94jF
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VedPqHEBAe9vBAC+e15mJpqPkC/+om/SSE7mxyuUqHAX1tNUymL8gTuV3mFB0goM
xkxhUOMMYe9z2zyi+RXrECfLT20qqUA60EZpl6Mgymj8SVZSv4ZwXdU8cgynYNfX
T1pC57mN9mxL10vTTJEix7QsrVz0W479/IkBrhW9nTidQt0RW1Si5T5IA7QeVWRv
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.107. Ruslan Ermilov <[ru@FreeBSD.org](mailto: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]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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IQp7gzq0y6L4GVycy0wBARFEANgd0603C02w6ovxe2cvLHV6NiqbEWeCRzCvRCiK
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qxu+1fq5mB0vTNALJ0nDpG3j4TtkKejLqsX0gAYh8/8aYxVhxgxd5Ni6C4UTBb/B  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.108. 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@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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### 3.109. Stefan Eßer <se@FreeBSD.org>

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pub  2048R/47EBB5EF5AFDF544 2015-06-05 [verfällt: 2018-06-04]
     Schl.-Fingerabdruck = A371 EA65 9C0B ECC8 2B71 5313 47EB B5EF 5AFD F544
uid  Stefan Eßer (FreeBSD) <se@freebsd.org>
sub  2048R/ACCC7EFAB7B32CCA 2015-06-05 [verfällt: 2018-06-04]

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### 3.110. Brendan Fabeny <bf@FreeBSD.org>

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pub  4096R/0x4AE10A7E8F65FECF 2013-09-27 [expires: 2016-09-26]
     Key fingerprint = C5C3 8EB7 0DCD 2BA2 B8AB 6BBC 4AE1 0A7E 8F65 FECF
uid  [ultimate] Brendan Fabeny <bf@FreeBSD.org>
sub  4096R/0x8B6BF0BED7B81E31 2013-09-27 [expires: 2016-09-26]

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

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### 3.111. Guido Falsi <madpilot@FreeBSD.org>

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pub      2048R/1AE6860E56CBD293 2012-04-12
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### 3.112. Rong-En Fan <rafan@FreeBSD.org>

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pub 1024D/86FD8C68 2004-06-04
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uid Rong-En Fan <rafan@infor.org>
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### 3.113. 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>
sub 2048R/B4EC9D5FBC909F27 2014-09-18 [expires: 2017-09-17]
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### 3.114. Stefan Farfeleder <[stefanf@FreeBSD.org](mailto:stefanf@FreeBSD.org)>

```

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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### 3.115. Babak Farrokhi <farrokhi@FreeBSD.org>

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pub  rsa4096/6B267AD85D632E9A 2015-07-25 [expires: 2020-07-28]
    Key fingerprint = F081 5F88 61BF 2DEA F261 E9C1 6B26 7AD8 5D63 2E9A
uid  Babak Farrokhi <babak@farrokhi.net>
uid  Babak Farrokhi <farrokhi@imenpardis.com>
uid  Babak Farrokhi <farrokhi@FreeBSD.org>
sub  rsa4096/1CB810DE7321676A 2015-07-25 [expires: 2020-07-23]
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### 3.116. Chris D. Faulhaber <jedgar@FreeBSD.org>

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pub 1024D/FE817A50 2000-12-20 Chris D. Faulhaber <jedgar@FreeBSD.org>
    Key fingerprint = A47D A838 9216 F921 A456 54FF 39B6 86E0 FE81 7A50
uid                               Chris D. Faulhaber <jedgar@fxp.org>
sub 2048g/93452698 2000-12-20

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

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### 3.117. Mark Felder <feld@FreeBSD.org>

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pub 2048R/983B64501F13E252 2013-11-09 [expires: 2015-11-11]
    Key fingerprint = 7481 93E6 C417 1C8A 4B6B 2488 983B 6450 1F13 E252
uid                               Mark Felder <feld@FreeBSD.org>
uid                               Mark Felder <feld@feld.me>
sub 2048R/80920C42C025EB78 2013-11-09 [expires: 2015-11-10]
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Comment: GPGTools - https://gpgtools.org
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**3.118. Brian F. Feldman <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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Version: GnuPG v1.0.6 (FreeBSD)
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Comment: For info see http://www.gnupg.org
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**3.119. 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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### 3.120. 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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### 3.121. Tony Finch <fanf@FreeBSD.org>

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pub 1024D/84C71B6E 2002-05-03 Tony Finch <dot@dotat.at>
    Key fingerprint = 199C F25B 2679 6D04 63C5 2159 FFC0 F14C 84C7 1B6E
uid           Tony Finch <fanf@FreeBSD.org>
uid           Tony Finch <fanf@apache.org>
uid           Tony Finch <fanf2@cam.ac.uk>
sub 2048g/FD101E8B 2002-05-03
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.122. Marc Fonvieille <[blackend@FreeBSD.org](mailto:blackend@FreeBSD.org)>

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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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=rg/z
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.123. Pete Fritchman <[petef@FreeBSD.org](mailto:petef@FreeBSD.org)>

```
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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-----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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### 3.124. Bernhard Fröhlich <decke@FreeBSD.org>

```
pub rsa2048/4DD88C3F9F3B8333 2015-05-05 [expires: 2018-05-04]
Key fingerprint = 3924 2DE3 BD34 BB70 529C 03D2 4DD8 8C3F 9F3B 8333
```

```
uid Bernhard Froehlich <decke@bluelife.at>
uid Bernhard Froehlich <decke@FreeBSD.org>
sub rsa2048/623F4D906034D944 2015-05-05 [expires: 2018-05-04]
```

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

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

### 3.125. Landon Fuller <landonf@FreeBSD.org>

```
pub rsa2048/86CDBA86B7E31D02 2016-06-01 [SC] [expires: 2019-06-01]
Key fingerprint = 9E26 9CB1 93F4 76EA 9A08 731C 86CD BA86 B7E3 1D02
uid Landon Fuller <landonf@freebsd.org>
sub rsa2048/203DA64DD0940730 2016-06-01 [E] [expires: 2019-06-01]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=yKov
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-----END PGP PUBLIC KEY BLOCK-----

```

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

```

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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### 3.127. Stanislav Galabov <sgalabov@FreeBSD.org>

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pub 2048R/82A681748682CA20 2016-02-24 [expires: 2019-02-25]
    Key fingerprint = 66D5 DF41 FA7C F850 406C B009 82A6 8174 8682 CA20
uid                               Stanislav Galabov <sgalabov@gmail.com>
uid                               Stanislav Galabov <sgalabov@FreeBSD.org>
sub 2048R/DC04B413C1F2C9EF 2016-02-24 [expires: 2020-02-24]

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### 3.128. Andriy Gapon <avg@FreeBSD.org>

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pub 4096R/0x380342A852615619 2013-09-23 [expires: 2017-09-22]
Key fingerprint = 6414 0613 EC1E 5175 77F5 785B 3803 42A8 5261 5619
uid [ultimate] Andriy Gapon <avg@FreeBSD.org>
uid [ultimate] Andriy Gapon <andriy.gapon@hybridcluster.com>

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uid [ultimate] Andriy Gapon <avg@icyb.net.ua>  
sub 4096R/0xFFF3DA35E4129D34 2013-09-23 [expires: 2017-09-22]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.129. Beat Gätzi <beat@FreeBSD.org>

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pub  rsa2048/A583FB36B6453181 2015-02-16 [expires: 2018-02-15]
      Key fingerprint = EF7D 332F 4D4A F252 BF4C 09E1 A583 FB36 B645 3181
uid   Beat Gaetzi <beat@FreeBSD.org>
sub   rsa2048/5D496E43DD25AFED 2015-02-16 [expires: 2018-02-15]
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### 3.130. 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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-----END PGP PUBLIC KEY BLOCK-----

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### 3.131. Simon J. Gerraty <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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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.132. 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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3.133. Pedro Giffuni <pgf@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 <pgf@FreeBSD.org>
sub  rsa2048/5D98460191310FC9 2015-04-24
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.134. Palle Girgensohn <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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**3.135. Philip M. Gollucci** <pgollucci@FreeBSD.org>

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pub 4096R/D21D2752 2013-07-21
    Key fingerprint = ECDF B597 B54B 7F92 753E E0EA F699 A450 D21D 2752
uid      Philip M. Gollucci (Sedan Magic) <pgollucci@sedanmagic.com>
uid      Philip M. Gollucci (P6M7G8 Inc.) <pgollucci@p6m7g8.com>
uid      Philip M. Gollucci (FreeBSD Foundation) <pgollucci@freebsd.org>
uid      Philip M. Gollucci (Apache Software Foundation) <pgollucci@apache.org>
uid      Philip M. Gollucci (Taxi Magic) <pgollucci@taximagic.com>
uid      Philip M. Gollucci (RideCharge Inc.) <pgollucci@ridecharge.com>
sub 4096R/05519D52 2013-07-21
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - http://gpgtools.org
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### 3.136. Mikolaj Golub <[trociny@FreeBSD.org](mailto:trociny@FreeBSD.org)>

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

### 3.137. Danilo Egêa Gondolfo <daniilo@FreeBSD.org>

```
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 <daniilo@FreeBSD.org>
uid   Danilo Egea Gondolfo <daniilogondolfo@gmail.com>
uid   Danilo Egea Gondolfo <daniilo@gondolfo.com.br>
sub   rsa4096/C2F847657133F473 2015-10-19 [expires: 2018-10-18]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```

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=M2pb
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.138. 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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=T2MZ
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.139. Marcus Alves Grando <[mrag@FreeBSD.org](mailto:mrag@FreeBSD.org)>

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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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.140. 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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=UNPF
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.141. Jamie Gritton <jamie@FreeBSD.org>

```
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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```



```

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

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### 3.142. Edwin Groothuis <edwin@FreeBSD.org>

```

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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Version: GnuPG/MacGPG2 v2.0.22 (Darwin)
Comment: GPGTools - https://gpgtools.org

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### 3.143. William Grzybowski <wg@FreeBSD.org>

```

pub 2048R/CFC460C5 2012-09-28

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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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### 3.144. Barbara Guida <bar@FreeBSD.org>

```

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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c j E S o W D R t B 9 C Y X J i Y X J h I E d 1 a W R h I D x i Y X J A R n J L Z U J T R C 5 v c m c + i Q E 4 B B M B A g A i
B Q J Q s k / 8 A h s j B g s J C A c D a g Y V C A I J C g s E F g I D A Q I e A Q I X g A A K C R A n 3 W / W P f X 3 U H 9 V
B / 0 a 5 k o s i / 1 5 T T m v + Y 2 c F N t M m + L x G U v / x C Z + o a W J y T U A W o j E W v a e k 4 / / P Z 3 X M V x h
K 4 8 V v Q n x M W Z 0 s Z c 6 m o / g e l E a U Z J 0 m t R / F d K 8 C i M y n K Q k f i f s j s z 1 S j f 0 o 8 W d C r 5 U
g h G k d j 3 3 s s w / z 4 c x P U T g e G G w P j n I 4 0 + Z u D 4 S I k 0 M y d Q R E a l t m d B x p A m 6 8 m K L Z C j B
/ L T 6 T i D 7 N R K V M + 2 K Z X g N z d j i S Q G 4 a S a 2 1 V / d 2 b k 0 m Z W V v j 5 1 0 q x + v l f s 3 / u + c 0 6 A
m s s l o u s 7 R M R 4 f u Z a h 6 U e w k y 4 0 s D d y E c V c S t c i G 6 Q a t q Y V X f C X M / 3 b 0 X X 5 3 e i s f I J
i T c b 0 J d 0 + q B z q C 5 e 3 7 f 0 G 1 I u Q E N B F C h m N U B C A D 0 H n V k Z k S y H z 9 i a g H Z c J 8 U l A 9 1
8 7 m o v E U t J L F R Q b g R K 3 T 7 q x w V M J M K G P r O Z p k g 8 l 6 z P E N b b v V W B Q m j j o N 8 v 5 T 6 W W H
t R Y 1 4 A B 4 I 0 t J M f N S Y o U 3 J g 6 u / v t h w 8 6 y 7 S B r c a p v r A B J 1 v V H G m 8 W 3 Z s j f t c s 2 s E r
i E p 3 3 0 9 h h 8 Q U / Y n r l G U g 1 I K A C / 1 4 m t h y m S i 5 3 4 D g j n V I D 6 H + H c p m 1 p v K J p k f 0 A v Z
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g z R H H r R 1 S 4 B t o Y e / d Y C 1 U v b X j Z 0 t h b V A o L 0 Z D c U / e U 9 q T Q I 5 7 B c l + J d j Q r 9 Z C l b c
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r 8 D S x l L 7 w D Q 2 Q s D U 0 m d n 0 x S 9 9 v 0 l e 4 F o I t l p u j t c W w X G 5 e T n E e j D 1 V m C o r u m N T D
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K Q m T C R J k 7 g k Y u D k d f h y o P x o 0 E 2 r Z V K w + B v z m m H R Q g D 9 K 7 i x a c / 5 Q F H f v u N t Y y n
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=8co3
-----END PGP PUBLIC KEY BLOCK-----
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### 3.145. 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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**3.146. John-Mark Gurney** <jmg@FreeBSD.org>

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uid                               John-Mark Gurney <jmg@jmgurney.com>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.147. 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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### 3.148. Jason E. Hale <jhale@FreeBSD.org>

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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 <bsdcaffee@gmail.com>
sub 4096g/7081A001 2012-09-07
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-----END PGP PUBLIC KEY BLOCK-----

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

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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-----

### 3.150. 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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Version: GnuPG v1.0.7 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.151. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.152. 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>
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sub 2048R/5E25776E 2010-07-26
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4ozeoFXp+IaSztDbZsUsbourE0L6CfSuI0EYn+wIXuyu8xQs1eqmJ3NyBYNoedm
ko68wqVQCd0MCWRJ3bpikaxvKMLDVUt09raWDEKgLkRDSYIDwCQrioGUXndZpeBkd
W8vmuQENBExNy2wBCADFHqQ/L3Iyj4Sx35/ljLYje0XRXR0WI3QN0ZZSSMXF1RpV
LQKH2RMUV0K3Eufb6yYozKzNiY6V8CTkgLTaBAY24a5gVm5sI4S04mY0ml54TmM
GDMp1kbVEjTscwzLkP20LHua0W+P9oj9kn9HKkt5CrZvx4nuE1lIMxzIyXVLKSmQ
GxtzpfA59o0bzw6+h5kLahFP5HCeD9p1ikUaKRQDWLkLdf221pU1DbM0YLrVCG3m
ba/kxfgrghP44R4uQDs9Swi1Ezot9f7Dv0eVfMFINaFhnF95eEDfuaqJEZbG6j758
YyasYjK+Ed5oi3NZVGjMZFTThA9Px0rdYkMXgl8QvABEBAAGJAR8EGAECaAKFAkxN
y2wCGwWACgkQ5W4Gs10AjxooWAf8C/e9xYK0FsuKR9PZ48KJ4fMJS1zIVwoLBAY
5+0k7X9gJ7gMw/WvXfsi+zammuH0seFICsELWkKw4wmmv20rIu8o8Grk//M1E8Baj
t0RpRG6ZUa0Emn7DALYI079DXofjWfzN6J8Ff7u70Y4rkq3CRYomA0UKsKQntF7A
saFIZz9GEhZQ0Dn0Nsi+k87yt8U3N1Pj7f7sv7dIouVuoT7AMGA8IFgJyGxaBqydA
4bWSIH01pZbuuxxNidE42C7SIFqPlwyEHEKPl1mteMDJxKGNr7sb5SNvDs5f5t4B1
9C9j9upXe0qx20qfUoN7dXT7uNmC9My6Ng9yJwFTHat6xP5gjjg==
=cHUi
-----END PGP PUBLIC KEY BLOCK-----
```

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

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

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

mQENBFaszWkBCADVp+7y+SXuAtQ0hVL0gxwCDYpVD78h+jKEx+AASTVaIe0g3/p5
uLVNtECiRwdRFINR7CSHYGfFbr1GQrQmxQR4wmAJ3MQX9q8CjFbDtYwRludw+tSj
SteEBVJ/i0AoYclant5HiYxmK1jR2vMjPv/qZkZwWgYqWfPA08MquKnZNVwMvbrh
RGUDxFxnA4bijmVvyLoSgoD1Dbog7X4jEhXWahb4aPf10UWjTmiFg03sG9k3M48E
jf+gLciKNy0w77WN1EHgtFiTgVkyMxXbWQRxAxi8oUDjDe84pPHkzMCZ+g4j/xb
zQ8VNWJwCijavwF3nkWM2RC2M+h8Qwf+494rABEBAAG0IkVtYW5lZWwzSGF1cH0g
PGVoYXVvdEBGcmVlQlNELm9yZz6JAT0EEwEKACcFALaszWkCGwMFCQWjmoAFCwkI
BwMFFQoJCAsFFgMCAQACHgECF4AACgkQEE5ixUUxbo161Af+NCCB2+Ybg+toEKbi
II7vIK0rCpWhXqkzFF+HCiHVkV+9aZjMhuqya0gfU/GkMjNbgZeSCfGAG/i4cK
cUpanWjxYS4+xL/dJ/JAULpRwF2x0f6Xj9gVDQlpKy6/sVQeByRzE64yD5gk2qm
9hpJh15s8o9qWvc86D/Gzez4xipIQDo7Yqf041c2gotLBgY/nc27dfrNSQcXyXp8
fjd6sEm6oZFyTU+IBaIyU060e0Ur/45usxrKzj75nEr89nbz/JPUlPxYg98X1+0d
Vjev3Tbt/Q24Cy1ThngVI7WJ7E/rujELASr5q414tmuQdGek1wJBU1sTWAK2PdE
gW8cyLkBDQRwRm1pAQgApPDPf/mWenG0VdussTftK/uN+izGqmUfTmXRUJJMiQab
```

```
5FRtEsRVW0dM6f/9WyBASTLpKuGRgTt46pFVFKRsCg/ISq3jGWzE169exU+EI23k
25n9/Sx5c1c/1RwzybZiN4R7tPHHKWtqL2ULWk0eJfkeGa1kopFZrqSSSFQJNFN
PCHYcMLEsQo4E/Vbnt+yw/TbZ7oUU1s5u5Cud3CkkiPs2R/09so0kPI3WFfziZzc
cMMMSmWymVwnMESu1Klt7Yx6oDExImL/q5/ciKgc0/Lu9tf/cMvy3p7JMsfs0475
yYJIgnjnWDwahaXhxM/HjvhumF3JaYt5LAspvH6p5wARAQABiQE1BBgBCgAPBQJW
rM1pAhsMBQkFo5qAAAoJEBB0YsVFMW6JBXQIAK46hk9Xu2jpxvCAo7qQFBA7TgNF
ebQhSgBnaeIN74SF0A31YFrUsmA/DigWbuo459fkIBHe/uM5kxHsS10ok2Gb/o91
QYn4kJ46xQvlvb9c2UvtS1fgyl9gozSz9x0y209yvvcu6hh5byTk5ZoQIHm+miGhQ
yo4xvsSkiIa0+SCzm4EKqGkXx/kDyJcBbvNtcw0w7HVwBbYi+GQm5m3bAkq8EmS
etrie68ENplCuu1cIcH5xAYzte02xpYzAQiXH4stZamNK7ayoxKwPKj7sgPUkuwD
pR100Vrq33GQzNc9kC8G4mfECXZKlznXpjSpbgCpEnvNcHQGLEoawPhWYs=
=MRC2
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.154. 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>
```

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

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

```
mQENAZkZeP4AAAEIAMKg3LRpUCJdg9V9Pr0KIIdvaQeItf5Fcrbh0GE4skfNPKeTg
TQi fwdG/GrMPYJBPHU8JnFqumLUnd2VSoFEJ/6W5S0ZP2L5ZCq496pGCSeKpe+kR
dN3Ra+GoR+cwVLKuXj+IxA0Ziv2WEL027TnMhWgF/DHLdoWvSwJdVrGnk0KjBJGr
HwWE6VGlhBS0wMa9T0tb3sRVTEIJXDcn8f12eixx8XCzwIQJSGWC+ThrY+Z0/hz
FRR5yl+izJffffQilJc4yY0rXqDu9K3i+/0lWywcbnqMtRj8Pnr3j3Lzft+xex2mL
qX68fE6dxof6Tc3GQCeqelj0IOAb8Zqy2qknW5MABRG0IkpvaG4gSGF5IDxqaGF5
QG1jb210ZwSuY3Npci5jby56YT6JARUDBRA8TDj/8Zqy2qknW5MBAeMwB/9R+Nvd
bPPkvll4Qaw9I1FwM3iaMDM4IkqR6r+Gsi+RYIClYmRBU1HXZzKyNR/Ysy0thnIe
Y02yg7U2nYJ00ysZl1Hd7R9EQBuYzk647PMKbQ+pQ4k9Ki010bT9JivWz6u6R3L
gJMnCUeI6s+xw88eeTDB0/AKE9eUUBDZ765M3WcVmGfDYNpW/D3tX7taGcFT80DG
VXKnFHAP2Um8IZeHXKqgh/jTTNCqWz7oj3GfVzZGenmwi+goZScQWU15J708Mn0f
uxiu0MBs7SLsvglD7iEk01oCDClv72i2S4rPuybIPMMPIpx/DpAZAiMYHJ6PdK
nMXSYgk0G0jx72pttCBKb2huIEhheSA8amhheUBtaWtVbS5jC2lyLmNvLnphPokB
FQMFEDkZeP7xmrLaqSdbkwEBzGMIAJLwFCCIbR+kqejjFh2BznI0T69PIfE422e
C2yD23fC/lqZ6LixxGrsZK5TxRycw7f7q06h77kd/RX8UMFERphMTkIapt+wLLoX
qGLcY1dVyNhW34SutdHzXkMfo6T8C0AautpnAmhrSh4dBw6XQUREvqc1BSyXL4vT
LyI1/E8E3wELJZHldwQ7ldvXPU0aoJp5PJ0FIV3Nvmq9g8U0BrZT/NjH06mYgsKW
+40ZjeRycvA9Yjh+ONA0dX5ijn7QbixjSehFsmDpx+KdNyZbp6iAIurf7ysEp2Qm
N6K/3EukEnVvy7Nn1L8+7K4IDkK+TocpG/m/P67w1AlrW0tNAME0LlRoYXd0ZSBG
cmVlbWVfbpCBNzW1iZXiGPGpoYXlAbWlrb20uY3Npci5jby56YT6JAJUDBRA5HN4y
wnPlMN5G9U8BAQVeA/0V4alPthF5+FVL7GJ14R7IQee3NkepsCQrWfDl11DJkyn
DxyISqzQd/ur1v5gi20MppQ35rekRYxqqmKSG8oZtcQ8WfFrMPOYDDn8uTXmwX4
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Sm9obiBIYXkgPGpoYXlAY3Npci5jby56YT6JARUDBRA5H0fE8Zqy2qknW5MBAXAc
B/9QuIZEEQJDfYjyv5Ztu9mtEUZofFavYmLnLvbUz0rwZ0zv8/krEQtkdVvkwYWQc
JSal11h7L1EyY1YzrTnANKq4KUboeiR3X6RZ+z0p1pg5C0imWfDmpqnY3croHkQy
0zU/d/kDd9mU3xismVbDa9xSJHbFh5KDPvnberXh5VIXcdiJ+RbM9VnqsMmZwCBS
DgY/pyRuyiMM91L9iFwL0UwllAEHwedQg+ja4/M1gyiGKr7rmiE5LH9xbInvRR2F
rQKDtM49MS7ybHolfZ9GKx08iTNOuXE70G0x8KIuapiNwKm2wayng8utIxGaco0
hp8D0uj3dgTFUZ3pcMSxtjWEtBtKb2huIEhheSA8amhheUBGcmVlQlNELk9SRz6J
ARUDBRA5H0gl8Zqy2qknW5MBATYEB/90qkiF+JTQZMN2wwllKXiadUd1uHK8Um7q
f19t1pI2Is0BNxtBwY10lRkpFkSkpSUHEmVKUvHhjsHVV+rr+EdJ4dTcsT6c5cCJ
i7avfz8duVbym09yDlytnBGr3te7tkmalwk3JkjXJhiMuU9w9woCuVWRexLABDm
Md8JjvyLqIE6bNkIcE9GvHhQQUYegYqVhDqzKH+cme1oLSYDDjt458yMYo6UXu+x
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G0mNi8N03Qx819oKlUaMHAFPNeufdT74bqVYbDo/GJptzaQtUiMv
=L5Xu
```

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

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

```
pub  rsa2048/B93D05A194D5A763 2014-11-19 [expires: 2017-11-18]
     Key fingerprint = D87F 0EDC 4B51 40A4 AD94 621D B93D 05A1 94D5 A763
uid  Björn Heidotting <b.heidotting@yahoo.com>
uid  Björn Heidotting <bhd@FreeBSD.org>
sub  rsa2048/774BC281D252F376 2014-11-19 [expires: 2017-11-18]
     Key fingerprint = AAC8 C89E 7CF6 68E2 6CDC 396B 774B C281 D252 F376
```

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

```
mQENBFRs8IMBCADUypzIddobGtt1mSXhvQ/tZqqe+RpoTk8+gP91cdlyKERlprao
Wzru0uQbgjzZF+4C94/5DE5rL/0LHRmPEHff/n2CtNbKXGom2jKGL84BTJpaxY2E
KftHfEay06/B0ueXzr/kXuP0vLWbfPondUzWq2l9zEAEqiRerRh88USxaApBNkMJ
d7oInA0+y7rt3dvMcMfbmZAK076QX/avN2s/fhKhgf7S4Xofo3YXvy3k5m3cvnsL
fMWD3xJUx1d4NhFt3PdzuIFY5LgB1d2pUtklclidT3KggYy91Zhq8sySCNAE4NKKs
Ibcdl21RRa390pnjtf/ihgw9Da8bu8S7Vzi/ABEBAAG0I0Jqw7ZybiBIZWlkb3R0
aW5nIDxiaGRARnJLZUJTRC5vcmc+iQE3BBMBcGhBQJUsXIIAhsDBQkFo5qABQsJ
CAcDBRUKCQgLAh4BAheAAAoJELk9BaGU1adj/AIIALZTukVyrS1D9j2Q0etbWfcY
bh0Ruppke/L+2Q+PFztVBjDXL/nGfENfUNdawT7aWKHlhGVqukfZUjRd0kpsejeR
nIkzaFujS+G9XFfkqJsD6wfYhTskani5XJSsCGa0njKgPIqU3SvhMzcDKWqjiTxr
lUwHafL7QCjD0/xkV/5L7/YifTRo1bxu4YElngtDCMDTH4PgXRD9vIEiKELq3l0
GV1SKAzSehUmfCp0mS31aIa0S3tjhSwW2MSbxwWx9cUcRVo9r76NND0X+y3x0+D
46oQPU6wGu6xRkEfBsvZLxtgHHikugM3pkqW40CIA6sBHreZPH5ta3/Pm7dYi0y0
KkJqw7ZybiBIZWlkb3R0aW5nIDxiLmhlaWRvdHRpbmdAeWfob28uY29tPokB0gQT
AQoAJAIBAwUJBa0agAULCQgHAwUVCgkICwIeAQIXgAUCVldKwIZAQAKCRC5PQWh
lNwnY7ztB/wNnfj+TLALC6/Q9Z9wh/QsUFmJch6GSrsusJgeB5N+lsRQ5fW0fux5
jG9eZtEo7jSGwKIG30fuIvkn7uJzi8nqdcS0qvgx2n37g0nUyJ7dzIF/wiDFit9D
0fGP7lpn+XlS0kSTeKa+mwGyQHctV0ep0tW43KcMlZgubqnnS3YQ6Te5jE1HhPlP
lbB1f4+0LHHYm170dDceNjghqZnh0gZqJ0oW0/brroF4VsZBBrhDEjxzLwMXVogR
Rt1KjCfdqh0Q0FNFEYqRS2j8NPCNV2P0L1ihr5NrQvxcyJ0GXP/g0Pq6afetUNsq
4CdatCfGR2VntkTNGPo0q5+gsMnJ3HoluQENBFRs8IMBCACwCsS40nT/crVT6mnr
0Q3QhgiU7hHZpVRUHLACxRN8CAWpe0RJyYzWhAKN+wEp6P4uV8sTlWKX/ca80o2+
y1njUoqVWJjJYKksQrTyRp1uoiFqkz74Wka7TrbDas10dJfeNC6yWHSIorP7xziH
smUXdYkHa2bG83lh0CMvjE3hy2u1v2tv5ejKtABeIEDU4pl25K0h1HC6hrfBH5ZH
VYytMnpYgeraIn7yczc6YnWm5kP7V0IvZbY8xkUDf65Xnz0NR1XEZUs2XOACc30S
WDRPa0L7L8rio/TfJCTPxlfs0ySusuLF8zGmUKMS0QIW4IGYtj9dLza1Lr0L2LYF
lBU9ABEBAAGJASUEGAEKAA8FALrs8IMCGwFCQWjmoAACgkQuT0FoZTVp2PD/gf+
0BmIPxqq9zudcL40Eb+jW6TE5SBhVQXSbfWgmyPeXro/WpEAUXx7X/a6qQaAwN4N
8905LPPAWkVUihWtaAUWmy5le4/0HkVB9qX1e9cCj0WIkHsuQoT31FSc/0baMYQ
0SvaZPoTrQVH4mCQZfVjuxFUHUwPrfD6ZShwegHBxs7HrbRt50uPXoLB4e5S3b91
6eDJxe/Q9g5z9VHlV0yL5S0i/oNe9YEtsfSMu45jUVJAJrUcs95e0Gk51+Syl0M
/CLQ7za+UncfWtI7chLnP1XbNh2xzAxIvGBU6PcQRbULmo60vqFzgl1IXpZtLriX
7LmHy7wvcm28Wh9mV4+gqw==
=FEE0
```

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

### 3.156. 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
```

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

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

```
mQGIBD0R0hQRBACPEDZc2XKdvIq9F4ofeq/EUB8ISFQ6kaVPcb5ingy5ND+0MUbz
K9U+q6Ik8d67KfHHVqGn7XT0XxGu2WS6rIa4ELFhtG/9lpgYt0FRZJxM8nv5+zCn
```

```
eLu18skUNuply3uIwvhNUY30PSzVkhC+tUPWfW/8DqdJzud/L8sDFDRtBwCgtixB
FHJ2jRXInApVzwLcjpgVJq8D/ixzt00/Zg2p62/qyAHac7M1sEc2QarCAGwRbuNw
jHRTglxQw/GT2NACWqy7LVHKd37ciCrXg9QrTjotJtMcoJbCitYvbQo2RHfEeIyN
yw7rffTQ4CpB51KxNhUwHcUfe6Jhx2hgHzehJg7YhnbTsv5hJcn2DXMSHHyHwBri
hpldBACI7iJxl2MtFUHBo3Xw27WYDzTNTTh2LUaMcIaowMW/+vIDds6EI71dCAjuU
Ai8DcNacMtE0xRdtNzDMS8vgYWBVLkHv2ENVdLfpXhM72iu4tmPKGF5AXK191dvJ
qPge41Z2/57191Xt+keYtuSQDtXwZfSuLuLOHba0BBvmpPB0trQmU2hLbGRvbiBI
ZWFybiA8c2hLbGRvbmhAc3RhcmplawNLLm5ldD6IVwQTEQIAFwUCPRHSFAULBwoD
BAMVAwIDFgIBAheAAoJEKRiV/F0oGrNMRsAnALWdC5LkmEF3hZjNAIA8gMxkfnZ
AJ4k6LXdmHMSspbd48MBdyq67yz0G7kBJQ9EdIrEAYaib54xuFqjHpvLxXmqFRl
qAgAD5XpavuJisxGjfm7aTVwIpr/00VFYkW59YInHM7dDHL0Y7tQETeEKf9pj6kF
TMyWFOBjtdazqSmq2YX0vI00N27IKT9eqxJ/qR8QgIqBMNkraP9QKi60ASDIRUtL
OZSfokSbAKkZMTyS086CgWw0bCPXRCvQLHDjga3KCbht0AjrzFkGmi6r4+rXFnT6
D3JRnSQ0Hj2qFEixHtZvXtsqgsEk0Etoe5taMFSygm0jAAMFBf97Ip2a/kPkXnt0
p+2xmWIFEDim7J9CwL5viTb1t8f0Kx69hFDQ2BwPNDZd1HvLrYtpuJ23uTrD0Zsw
IT/wVc/IQ9nn4+mkx0mq9iThCBS990Xz4IsODT3W1sgzUfl+mdqJP8xfEnsyqy6G
iv0oR3QdZg7rxv0U98HhDQ1iJX3rCtLNFgisrovDF33oHMEE4oHvSMXeg65JXWiu
EpEpioINjrA3P+TL+fMv1tb4+wSUPqTWX34Gx4UfDKnMedxl6j2IRgQYEQIABgUC
PRHSKwAKCRCKYlfxdkBqzVtaAJ42mqzwmJCpk8fdfsfkHUT5uGTN8sgCfdmDni10D
NWQilmhQ0XZX9oGgyso=
=PTeT
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.157. 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+NFDvgbRe9U7BKy2Q8ZPouM0i/GIwW
iocDyVwRnK8tC3D1BM3THs3cFW0aPsS0TGngZE8rTs8lm53UwIlUApTUztjH3odp
OynMb/Dj3k8SOWkq5mYzL+38jsz067tRDlij4s4I3EjwcBQJ0hnUUVW0wCgpDBc
wAx9TBVCSY9H5YLtCrJbn0ED/iwQH58xpFLxQ01FDYLUZCgZaASm0Luft13HuCrM
Zj2oDgJZ0cuP2AshoJXnKavDjwBIvgf/p6cPZ9CS0sF8WI+v/LHN/EUQ0oXXNzD5
ZujgMh1w35Nmv17f5JRDaie9HggNux+ODtWimmR0piicDXb849asCrUUEcpU0V3G
wYaxA/960Wzf/TCr6CZABFBLQ2VwX3Run3ttBiX0VI69gEdj95mfeDUxPQH4JNT
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ZWZmbmVYIDxtaGvmZm5lckB2dC5LZHU+iFcEEeXECABcFAjp6LpYFCwCAwQDFQMC
AxYCAQIXgAAKCRAWiRlCzey/mTswAJ9uujS3rA/mJcR8TH33q6SRhZSeFgCePzaT
l0AkDv2LVm0F+V5CBex2gkqIRgQQEQIABgUC0s49wgAKCRDCpSwr0i8VsUrfAKDi
Cffo5C6Ei5xHtWRA0DpHCh0o0gCgqwDeqC4zLU/LB/jKYdGX37VPMQ00I01pY2hh
ZWwgSGVmZm5lciA8bWlrZWhARnJLZUJTRC5vcmc+iFcEEeXECABcFAjp/gWcFCwK
AwQDFQMCaxYCAQIXgAAKCRAWiRlCzey/mRbDAJ9BS5Fwb+Dj4IHlRysr6IHXCxet
LQCgmpN9GwBWNxzB1bAQEW108anp5xiIRgQQEQIABgUC0s491gAKCRDCpSwr0i8V
sfQXAKDw4IsDEKGr1rYp04IIZPML2hVLJQCcCRU0r0Mfce6AXKUYBfjAlZmddN0u0
JE1pY2hhZWwgSGVmZm5lciA8c3BY2tAdGVjaGZvdXIubmV0PohXBBMRAGAXBQI6
f4GRBQsHCgMEAxUDAgMwAgECF4AACgkQFokZQs3sv5mRMWcffitELKCHTC+tF8hQ
R9Tdb87+PH4An3jLIX+TAD/u6CjyAZ9fR8nEXeVUtdRNaWNoYVwVsIEhlZmZuZXIq
KEFDTSBzeXNhZG1pbikgPG1oZWZmbmVYQGfjbS52dC5LZHU+iFcEEeXECABcFAjrF
NgQFCwCAwQDFQMCaxYCAQIXgAAKCRAWiRlCzey/mTbAAJSEI0jmXPBxyrpS0QF
lrJtDENffQCgmWgC/5AezMfJwtu+s001BNw7oRmIRgQQEQIABgUC0s493QAKCRDC
pSwr0i8VsWB7AKCZe9euDmL2vgJAaPt34ptUL4UHACg45ZK21iSMmLW+cI6L8iw
gVdDcPe0Kk1pY2hhZWwgSGVmZm5lciA8bWlrZmZuZXIAbm92YWNveG1haWwY29t
PohXBBMRAGAXBQI7RpsRBQsHCgMEAxUDAgMwAgECF4AACgkQFokZQs3sv5m0ogCf
RV9e/JXy1ixgKCvozaIQ3j2MBQAOJwTV25V4gpucQxysqRrWTB65Ja+uQENBDp6
```

```
LqIQBACFc0+vvM6/ItDzUhX3vIihiKENou4FchXwc/u7uchsLs589+PwaYWXqtPH
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CT5YIETaY+D9TrBDD+c+ofB8vheKxAlr30FAnX6VmUJFi5xfrwADBwP+LiUdpsML
kdJj0Y8PmbB3Gxle3X9w+6hBkoP8Z0q5dzG3Y3mGYpgLd4Ytf1KEKUM68BDJgcvf
41B2Y6Ptp7mSRAufbymIRihNKH78fleaziWsux2CYJGZvsJzuYrLzgwuTzcLQKL6
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2Q8=
=/joR
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.158. 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
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bdB2zWhexWemFsE0F1G5NpxkqMg/E0aiZb5P9MVJyGLlF1hCwhWsNG00ewCgzQ/b
yAEMk03PPk3D0aM4d/Vdf38D/j40+TJPSjMf58wRGkrT+BmLCvFvg10sUOMgyQP
Y07y06WmSiZV5ynqb4bS5m3jfqmG1I2wK+dIf8SHyaVgqZiUpfqrsvFV2qwfZXcod
C8a8b/kmEbdMk1j+jZ8qxSScrKCHKqdEs1UihCt/F1kVVd8gqYbWouICxF4GoU4Z
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zdkwtQvRYpIjqiqCCFLN18l6Lc5qyTg6fnx2yWpWJMb/xumUz7A79X0TBN8WG71n
zflJLHtn7fcjsi5009s7Ahu//Q7pGN8FvkrZHZ3xNw+3pAaoawrQfTWfYdGluIEhl
aw5lbiA8bwFydGluQHN1bXVrLmRlPohZBBMRagAZBQI9DY2yBAsHawIDFQIDAXYC
AQIeAQIXgAAKCRDlpq/yEWxchZjRAJ4s0v1VXJmkm7kj3kMM0Z8xMNOJaACgkcMu
T1ID/2v+A1X7+su0zrWMr5aIRgQTEQIABgUCPZGohAAKCRcTeU9X9uLnUzW3AJ9T
0Hzs6Zzq3HAYuSVKLReaZEhyGQCfb7goCt5RLbxx+3AMyyX5uh1boQmIRgQTEQIA
BgUCPZGLrAAKCRD5Ay7lt7i0eYdWAKDEeKmbkRTSZKsKelQwiD+T3me3tQCfVMLi
9mkjo10AXpAOVX3Igy50HUS0I01hcnRpbIBIZwluZw4gPG1oZWluZW5AZnJlZWJz
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r/IRbFyFjSMAniK+uu6ts+tLchT7+npGpJ0wmyCXAKCmCmXrSUTnPG5DwiVD66h6
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rjtNCK+tosTQd73VzMWKk0fwiIew+GsB+g/ibK/WJW0LS6fktW2nPG2mGRblltf4
8W4ZmtZuqFTBSbmZ0csxQ/LahRosX82NbQyFPwuFMEBqYho5iEYEGBECAAYFAj0N
jbQACgkQ5aaV8hFsXIU0ogCeLnzxBftyPv5iS52Ear+q/mPZL7oAniB0B6mFArQV
gtLJNL6KejWqSh3V
=Z84i
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.159. 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-----

mQGiBEG0KfCRBACgVft+tcJtDzCAHLta1UxwLT5ucTeSfsNyhfyRdoz+IBtJ7bE+
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b76zjI5KLOyCDRyqh+DEB04uuopZ7ACoJMRhCwyfgqJomlGy0Mr/BzfffwCghsiF
```



```
7Ts0UyQcV0vLxSXBf5bZ5I0D+gIVZsJLsS8IXUIZiK3dRFvHm4aWrcxwLgKsfJ4J
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o29TB4oL5mM7jHjy0Dw8q/n1i1ydWQgu8a3v7giuoYa0KX4N58qWDDGBbd1j0koL
bnqIA/9+kVIr92q211LsR3GJTfMMs/f6nbDwiYzdpzxE7b2Xu5d175WjX1wqJT9C
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pLXRowTqliAzl3CEu+iFqJKqUQ5AYe0PhhcT1Tbf6PHp7iQdTrQmTmlbHMgSGVp
bmVuIDxuaWVscy5oZwLuZw5AdWJpemVuLmNvbT6IYQQTQEQIAIQIbAwYLCQgHAwID
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+1IPobpSdvjgzgCeI7Kp4K1Td7QNQG6Afc9nY4Wtj+60H05pZwXzIEhlaW5lbiA8
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ZQIbDAKCRBhPnGqX+ObgBR1AJ4itGc8L05AY6C35TL+ilvXDp1uagCfR9Dxmg2u
9RkYrA9581i1Md2RCKU=
=x4MH
-----END PGP PUBLIC KEY BLOCK-----
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### 3.160. 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-----

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kX3jtW/Md+iez6hFhc9TCPY/fJbBGostyRYV364Fht1Y9XJGGeQBva3Fk8fLQ7xQ
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dztzrAzmdjVMYFQVb1VPOZTumoPm6ds8cY+vABEBAAG0KkphYwtrbyBIZWlub25l
biAoRnJlZUJTRCkgPgpQEZYZWVU0Qub3JnPokBPQQAQoAJwUCVCG0vwIbAwUJ
Ba0agAULCQgHAwUVCgkICwUWAwIBAAIEAQIXgAAKCRD5pE0klJ1EpCq1B/wK5f1T
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XBxM4ynuJxIzmVxc3jGmz1AiB8CGmeh0BCzYYGYeffXG5jIv8nq+Ak4s2+IVRK3v
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qUd6g2D8/6fx7MUX0IytCtkGnFogzBNdKsSAyGRg0HK1m72IcW63oPEK02VI4++w
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SlT66A==
=wa8M
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.161. 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]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQENBE7uUe0BCAC2rJ274YwppqkG1SvbLlCdJPQcctt3ELAv/3Jhw7LJ1RjMbZs2
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d+zeMRTz01ItxnLqZajxDpiHAgopP7covZU456Yvnrmi6Xf3ZP0t7gJCot0dYcT0
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7QIbDAUJEsWDAAAKCRAGWzpjQVDT3P0nB/0XZUzuA8ytqhnzkxY25Kr/0c8wczM3
XYs4DpL1TnghePjkjdEKhbC+lqDyglkSQmf7L/uGV7n1pLFLBLwv72lYnaAMmb0k
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/pmEJ0C80jqIp50fa7J2QMPJ/kfegsjAMBQEqgcBmt8Rb7xM7NrfKPDcWRoB75Ca
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dAHXDxMry5RLmXqj4uDPTUvGpXcEb0zVPBWrmoqDJe5Ll0rwaQ/DXZg
=hr4n
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.162. 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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chnSeVY1jd2D8Kfj5H2mclS3ViBtPG2SW6ru3cWbH86fcYSSFQz0X29MoaPKV1u
WNh8nzT4ztbzEz9RHZni6z2bPxmEwkDkU4H113XUK9V0xN/+XeUSVQCX1EPxqqYu
xBLzRKbQ9WdsMMxp5S38NoQlg36n0pISIFVfUd0/m9HX8fhkzYtfcdb12NvBZpZ
/TQk3B5t1x/i1BR63RBPfmdqHcFyrT6m3YxABEBAAG0IUd1eSBIZWxtZXIgpGd1
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.163. 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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Version: GnuPG v1.2.1 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.164. 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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=7kGj
-----END PGP PUBLIC KEY BLOCK-----
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### 3.165. 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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=EizD
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.166. 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
```

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

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3.167. 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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### 3.168. 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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**3.169. Po-Chuan Hsieh <sunpoet@FreeBSD.org>**

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pub 4096R/CC57E36B 2010-09-21
    Key fingerprint = 8AD8 68F2 7D2B 0A10 7E9B 8CC0 DC44 247E CC57 E36B
uid          Po-Chuan Hsieh (FreeBSD) <sunpoet@FreeBSD.org>
uid          Po-Chuan Hsieh (sunpoet) <sunpoet@sunpoet.net>
sub 4096R/ADE9E203 2010-09-21
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### 3.170. Li-Wen Hsu <lwhsu@FreeBSD.org>

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pub  rsa4096/6727E77C8862B656 2015-06-13 [expires: 2018-06-12]
      Key fingerprint = 107D 53F6 5215 335B 7094 3F84 6727 E77C 8862 B656
uid   Li-Wen Hsu <lwhsu@lwhsu.org>
uid   Li-Wen Hsu <lwhsu@FreeBSD.org>
sub  rsa4096/081CF599F48DDD68 2015-06-13 [expires: 2020-06-11]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.171. Howard F. Hu <foxfair@FreeBSD.org>

```

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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### 3.172. Wei Hu <whu@FreeBSD.org>

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

### 3.173. Chin-San Huang <chinsan@FreeBSD.org>

```
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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.174. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.175. 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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.176. 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-----
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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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### 3.177. Sevan Janiyan <sevan@FreeBSD.org>

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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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### 3.178. 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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### 3.179. Kurt Jaeger <pi@FreeBSD.org>

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pub 4096R/2A4392E050E8798D 2014-04-24 [expires: 2018-07-17]
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: 2018-07-17]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.180. 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>
uid Weongyo Jeong <weongyo@freebsd.org>
sub 2048g/9AE6DAEE 2007-12-28
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### 3.181. Peter Jeremy <peterj@FreeBSD.org>

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og8r4H7+t2L/CA==
=Wp4c
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.182. 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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=ISn8
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.183. 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
uid                               Michael Johnson (pgp key) <ahze@ahze.net>
sub 2048g/FA334AE3 2004-10-29
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=I7wA
-----END PGP PUBLIC KEY BLOCK-----
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### 3.184. Mark Johnston <markj@FreeBSD.org>

```
pub rsa4096/D5F19F287539B0D9 2015-06-27 [expires: 2020-06-25]
    Key fingerprint = B35E AF99 18C4 36C8 1746 A8EB D5F1 9F28 7539 B0D9
uid                               Mark Johnston <markj@FreeBSD.org>
sub rsa4096/A41F65E8198861C5 2015-06-27 [expires: 2020-06-25]
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=Lmpv
-----END PGP PUBLIC KEY BLOCK-----
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### 3.185. Trevor Johnson <trevor@FreeBSD.org>

```
pub 1024D/3A3EA137 2000-04-20 Trevor Johnson <trevor@jpp.net>
Key fingerprint = 7ED1 5A92 76C1 FFCB E5E3 A998 F037 5A0B 3A3E A137
sub 1024g/46C24F1E 2000-04-20
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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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=N4HT  
-----END PGP PUBLIC KEY BLOCK-----
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### 3.186. Eric Joyner <erj@FreeBSD.org>

```
pub   rsa4096/96F0C6FD61E05DE3 2015-01-28 [expires: 2018-01-27]  
      Key fingerprint = C5FA EC74 96D2 C61B C548 FA37 96F0 C6FD 61E0 5DE3  
uid   Eric Joyner <eric.joyner@intel.com>  
uid   Eric Joyner <erj@freebsd.org>  
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### 3.187. Allan Jude <[allanjude@FreeBSD.org](mailto:allanjude@FreeBSD.org)>

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

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pub  2048R/81E22216 2012-05-27 [expires: 2017-05-26]
      Key fingerprint = 8EF8 36C8 44A6 9576 6ADB EB0E 4252 33DC 81E2 2216
uid  Tom Judge <tom@tomjudge.com>
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uid  Tom Judge <tj@freebsd.org>
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### 3.189. Alexander Kabaev <kan@FreeBSD.org>

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

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pub 3104R/28D9A6F364EB7512 2013-12-24 [expires: 2015-12-24]
    Key fingerprint = D961 95E0 4D80 45FF 4160 FD17 28D9 A6F3 64EB 7512
uid                               Benjamin Kaduk <bjk@FreeBSD.org>
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### 3.191. Poul-Henning Kamp <[phk@FreeBSD.org](mailto:phk@FreeBSD.org)>

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### 3.192. 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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### 3.193. 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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### 3.194. Mike Karels <karels@FreeBSD.org>

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pub  rsa2048/8CCF69ECC5CF284F 2016-06-16 [SC] [expires: 2019-06-16]
      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: 2019-06-16]

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### 3.195. Takenori KATO <kato@FreeBSD.org>

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pub  4096R/3CF9ACE7 2012-10-02
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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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### 3.196. Josef Karthauer <joe@FreeBSD.org>

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pub 1024D/E6B15016 2000-10-19 Josef Karthauer <joe@FreeBSD.org>
Key fingerprint = 7266 8EAF 82C2 D439 5642 AC26 5D52 1C8C E6B1 5016
uid Josef Karthauer <joe@tao.org.uk>
uid Josef Karthauer <joe@uk.FreeBSD.org>
uid [revoked] Josef Karthauer <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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=U6zf
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.197. Vinod Kashyap <vkashyap@FreeBSD.org>

```
pub 1024R/04FCDD3 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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-----BEGIN PGP PUBLIC KEY BLOCK-----
mIsEQDQwdAEEANxnThVC8GN09VXTjWFhJh7XgMLHf9jDd0B1804WUqc3c76r8y/k
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=VzLE
-----END PGP PUBLIC KEY BLOCK-----
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**3.198. Patrick Kelsey** <pkelsey@FreeBSD.org>

```
pub 2048R/044ADF500A4B194E 2014-05-30 [expires: 2017-05-29]
    Key fingerprint = 4082 2A15 231C 09EC D86E 63C2 044A DF50 0A4B 194E
uid                                     Patrick J Kelsey <pkelsey@freebsd.org>
uid                                     Patrick J Kelsey <kelsey@ieee.org>
sub 2048R/CB7433052A5B26E5 2014-05-30 [expires: 2017-05-29]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.199. 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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=nTL1
-----END PGP PUBLIC KEY BLOCK-----
```

**3.200. Giorgos Keramidas <[keramida@FreeBSD.org](mailto:keramida@FreeBSD.org)>**

```

pub 1024D/318603B6 2001-09-21
    Key fingerprint = C1EB 0653 DB8B A557 3829 00F9 D60F 941A 3186 03B6
uid          Giorgos Keramidas <keramida@FreeBSD.org>
uid          Giorgos Keramidas <keramida@ceid.upatras.gr>
uid          Giorgos Keramidas <keramida@hellug.gr>
uid          Giorgos Keramidas <keramida@linux.gr>
uid          Giorgos Keramidas <gkeramidas@gmail.com>
sub 1024g/50FDBAD1 2001-09-21

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.201. Max Khon <[fjoe@FreeBSD.org](mailto:fjoe@FreeBSD.org)>

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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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### 3.202. 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.σ
dyndns.org>
sub 2048g/EB94B411 2006-08-22
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### 3.203. 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>
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sub rsa4096/822AD1C921AC180A 2016-06-10 [E] [expires: 2019-06-10]

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

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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]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.205. Zack Kirsch <zack@FreeBSD.org>

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

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pub 2048R/2AAEA67D 2011-09-27
Key fingerprint = 40D6 097A 174F 511B 80EB F3A3 0946 4193 2AAE A67D
uid Jakub Klama <jceel@FreeBSD.org>
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sub 2048R/5291BC4D 2011-09-27
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.207. Andreas Klemm <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
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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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### 3.208. Johann Kois <[jkois@FreeBSD.org](mailto:jkois@FreeBSD.org)>

```
pub 1024D/DD61C2D8 2004-06-27 Johann Kois <J.Kois@web.de>
    Key fingerprint = 8B70 03DB 3C45 E71D 0ED4 4825 FEB0 EBEF DD61 C2D8
uid                               Johann Kois <jkois@freebsd.org>
sub 1024g/568307CB 2004-06-27
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.209. Sergei Kolobov <[sergei@FreeBSD.org](mailto: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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-----BEGIN PGP PUBLIC KEY BLOCK-----

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

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pub 1024D/2C172083 2002-05-21 Maxim Konovalov <maxim@FreeBSD.org>
Key fingerprint = 6550 6C02 EFC2 50F1 B7A3 D694 ECF0 E90B 2C17 2083
uid Maxim Konovalov <maxim@macomnet.ru>
sub 1024g/F305DDCA 2002-05-21
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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

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

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pub 1024D/8ACCC68B 2010-03-30
Key fingerprint = 5128 2A8B 9BC1 A664 21E0 1E61 D838 54D3 8ACC C68B
uid Taras Korenko <taras@freebsd.org>
uid Taras Korenko <ds@ukrhub.net>
uid Taras Korenko <tarasishche@gmail.com>
sub 2048g/8D7CC0FA 2010-03-30 [expires: 2015-03-29]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.212. Joseph Koshy <[jkoshy@FreeBSD.org](mailto: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
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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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=a9D2
-----END PGP PUBLIC KEY BLOCK-----
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### 3.213. Wojciech A. Koszek <[wkoszek@FreeBSD.org](mailto:wkoszek@FreeBSD.org)>

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

```

3.214. Alex Kozlov <ak@FreeBSD.org>

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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]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.215. Svatopluk Kraus <[skra@FreeBSD.org](mailto:skra@FreeBSD.org)>

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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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jgcMf0VVLzPBDWxqNIwtD7tdY4paqTw+LcyKeqmh+EE9eBZqZ5C5s0GwCw2b02P/
vyBTdDwVjPL57CLPzXycn72cgxFRgsqKBjnK3A1xeCy8CVju25lQkcVF7ls4n0bC
umntgIzrGHLjVEux/0o3g+atouKLzLiAaYfoi5BLugkGa2DxvKYwrBXwRXrce7Hu
QZVdkh74YLXPNwnEGSzkpBRlKtL68MkpkRa9q6M7bFpeIJNY1SiTviTfASJC/S+
wlvbab8zIMemwHXcaLAeyrjpbvdkrU7qyGeU4khFJ1Mz5ehIS3igU/Y54Wjo8eJB
/nVLYgGothGhWgneb04/Wg==
=L2Zf
```

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

### 3.216. Steven Kreuzer <[skreuzer@FreeBSD.org](mailto:skreuzer@FreeBSD.org)>

```
pub   rsa2048/F528158459D71EE7 2015-05-01 [expires: 2017-04-30]
      Key fingerprint = 1DB8 2B72 1C60 E59E 946A FF7F F528 1584 59D7 1EE7
uid   Steven Kreuzer <skreuzer@exit2shell.com>
uid   Steven Kreuzer <skreuzer@freebsd.org>
uid   Steven Kreuzer <steven@kreuzer.cx>
sub   rsa2048/540AD5219F26626F 2015-05-01
```

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

```
mQENBFVDgCYBCADPw0GwQHRVcUxvPzy7y4GI4Fzi9TT9GDxOuMhScSa5uS1QR6m4
iXvIaLTWjnSSDf+akAKzI3tTpxmshyg7dZZ3A93larXT6dE9FYiI/Q51F+hkL/hX
zzFSGX1XUSTkBPozLEY2kHiH6Dr7XL/FqLTtG0krF+PUauKKWzAG4Qo52sWwZMwq
bF81vSt0pDTCrjCb9GQUipbdVtTRCt1R0REVxcBgm+gSJDHLzrSjRP0mCIXS7Fb
oebC83gipnSFQr9Sk1hovuAqOUXKUi0aApZ63/oQUyYbKTWtsWu6xSAd+Ro0UbkZ
is8llwmxxn4X3lptp0AEUq8oV7fYwZrvzmbABEBAAG0JVNOZXZlbiBLcmV1emVy
IDxa3JldXplckBmcmVLYnNkLm9yZz6JAT0EEwEIAccCGwMFCwkIBwIGFgQJCgsC
BBYCAwEChgECF4AFAlVDgMsFCQPCZ6UACgkQ9SgVhFnXHucfmAgAyyqbfjWHW8bvk
AMgrGMrx1T1xy2pdGbG5iyEvSk1wv25RRZG021g/dE6ES1o1EXwhbTIJNyAkUmp
GVXvuN69yx9r649D3vca+p10JhDzOI4ulw3p00o0bnteUQD/iQMH1nbtRaowYV7N
FUwjbgLLkVhggKFeVFDz78GPF06E/Fm/XnbEvaeqa8QrVT8U80P+qhlNHA5x84P
GvnIZyS9rPUwccvDIrXvLszlwambA7IWQupVS66jvq2txODle4Dx1Z8i3RAmFfM
PzjAVtaeFqfPrkRyWGBfPdpqScuLU7620dMaV32LeNeeJQmxGhP4PBsEblf9ptBN
gphxNQIItLQoU3RldmVuIEtyZXV6ZXIgcPHNrcmV1emVyQGV4aXQyc2hlbGwUy29t
PokBPQTAQgAJwIbAwULCQgHAgYVCAkKcWIEFgIDAQIEAQIXgAUCVU0AYwUJA8Jn
pQAKCRD1KBWEWdce5ws0CAClOggtog+ALGYBAL7nJ/tTc7MjX9zj7LrQzSbE+E8X
BPwMydEBBodkfVzbbpDghsy/EMvVoEmKqq92LZXuHJ+60/4/+hUE4kYMF20shGk
lo+ULTm0uJ34hu41p+GBE/SIOtSY8hRi4ckJyxCDF21XY12y9oE1le3uHmDzte5j
acUIZc4hqE4zHDP86pmjEI+Z0GJTcRc994wV1cjaSv0pksjmGH90voqQenUZFY38
Q/tCyG0uNbuMJJB0W7HTn8Aa1hBoV8ID1oAsdV18pihRsoa5YHs5AIIIfWf5xwnT
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ciA8c3RldmVuQGtyZXV6ZXIuY3g+iQE9BBMBCAAnAhsDBQsCjACcBhUICQoLAgQW
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pwxnsiblfZR70EpyM/cIcr+Ix6UpN9+g5B/BCU7w2/0JpDAGDiJMJPt037H0lmkq
rf9Mku1rtpt9yoGTp0MUyGw40CccYI1bs1I5c2ZxwH4xR4RaxYPzwH8N6/HCjTy0e
15jzkreS3ZXFD1gECvSqqwKd90MLUistL2hSxfFnpsCkQrQupUEG1Wby80WyaRg
00hmhHS5AQ0EUVU0AJgEIAMJVb47vaMzbTWESkb7z/TXrXVTrI2GswfnrWeF983vv
pKNUrd5PBa5fBBjXfG0UZp4nqinweneApGKKVfeSSvSkUBFd1wKLu9Wispla6Nf+
OzwikmhhyJlUgV3E1zMMKzqjNIZAsbiZfkLTt5K0F5fKeJHmplusTIW2WJUXpwVr
TT4k2qaUuB1w0S2+i+hvT/XuPHL0PiwG55V+nHq2+xZXLrigCopifcvTudr0o4gi
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GuARJoLiQk5r+37XVx8swzntqP1YaLza12U8sDCqdwCAEQEAAYkBHwQYAqACQUc
VU0AJgIbDAKCRD1KBWEWdce57EHCACFMwzZR9a7fzDo1jHc20usEgBTWo+UYIU
rBbmaLS4GvCMEHCLpBap63Rd9HmxYDjvXq0upmHmVPc03mEqEzNUjQxWHSiRmPL
bqvnPpEBdVyAbelN1UuW1GKerFfMMb0Li6c6HBfoQDEjt2KIS0sE9bp1wSsACLUg
xzf2Lm7RFiDbkpb4pYmTvmjvn2Qf6V0kZA40hisEte2I8X5P/WZJ0GX93uHszm7r
WP6fnQjtrTSPvNXVDGbfGfQlmpRbPyyKI8RNLv2nA1X38taK7HFhYkYCa9EryT//
4BjM8WoaPLH9vcNn7r5AnDN3vCCbchSJtSBUE0m/pBAQZEC9T
=KXVm
```

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

### 3.217. Gábor Kövesdán <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
```

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

```
mQGibBEV1zhcRBAC4T9pbx3J+/0qY5k3IVGMGpI31SZHwt00ijDBA3V0mIOUpty/E
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U/Z5eYv0gT5Da6UsXIXI5obFdNsCwwKYt7Sbvfj6L+FWSS8HW54f9xuqLwCgwCRv
TxVBZJ4xERwsk3nJH4B/GKkd/20ddbTHSTBuBpuLmo0UNBcrnIEYPRCDvF/e07yz
sp3KJeMegdPEwBoy6bF9R8HkVgSEx/jdMSZNeMeA0pAKDLTUyTNJRgzVwqu+Sg0j
GT8IzhLNFaZ7wiKoA0yRhGh77C3IPzjSbc0I9A3vn9DkStWfDtjTIOxh7FxF9+H5
c5z9A/9++L0F8L9VPHUNi4h/L/jE6CWSZgeTUIMkSwALrochNi9xIr+kS5pPxUPZ
MHVdG0+gK3wNLD6KgpBnHB65wWbb85fukY9y4YgEv0+TjppWkbwLABKtt7cf7RA1
mYtYStb0edPBAE8Y89cAcM04a4ViJFwfSTLJorAAy73pVns7ibQiR2Fib3Igs292
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```

```

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XFPymL0QtLDRTyZ310PCQXnI2CD2yswSdrHID/LuBDx+24vA2NyGy7WdUmSSchnE
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89o0QHBW+UqcYdWPUgT038hr7k8U8LNJT0a7axsgwiWlr1oSS8z/RjdiFwuArM5M
PQgkvMYLAAMFACIMI02gjtPL64mLy6If2TPBTqb+g+HaWwk4lxsUN3A7A5y9TXk
w3Hx2jCig6P95jIKYiTKV5ZqcUuwtEwK/nK6M4o8x7Q0wLafH6x/wfsb9Gays+K
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NdMIcDxTJCldHdQeXdsrVWGTQmt4iuwfwKlmiEkEGBECAAKFAKv1ziACGwwACgkQ
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DH0hFmi+
=jLzS
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.218. Ana Kukec <[anchie@FreeBSD.org](mailto:anchie@FreeBSD.org)>

```

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

```

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

```

mQENBEvLStoBCACxnU/0ujcU5D0Ph4eGJhRfFSxoH/CBIH1AnaQyrsmzMCfdFav+
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sQg37HtSfKjLOCEbxH9q6JGci0rwa4DqLPfwoPEyyMuTcwcRm4QhNKUvJ9jRFze9
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PqZMhPTyD9d+SKYHu0GUJbsLhtaGzBLK9S03ABEBAAG0HkFuYSBLdwtLYyA8YW5j
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BBYCAwEChgECF4AACgkQd4rDtFENI7ub6g9f9HsBwaT7CmPenZPPJk+/GXDINWPW+
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IymGWrBeyncmJDefcvA1UoL5XjhgGtv6qhmzPmN0+PamJlPd0X2W0fb/w9/od+5+
o7olzxiy0kVaYXBizKVQ482x/oN3kXwzMmxkhN4zmoJp0zvjB0w4Ar5WiYldgL8x
ZggWcR0NLVejeiy5VBPxsPh3vfvfVvjhxfHuS/bLGYBa/t00bKxTpbD9frkBDQRL
y0raAqGAs0EgWecCnr55Ny/V3LI+apr6wq5Rt37E+szExLEzGPQCeSE2BKWDNHGv
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+a0M/68T121UK37+u5u250HZaMaGL2poeD/D+jzzvYVEDk6C84FNDmLXZjMtiuS
NmLsc+kZodFbsrUjdfZyXfFKP4a4D8Gq4nPLvDjRB5ZKNFjy1HQxp0JAKzPK0wgz
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GEL8N1KTtQLBmP4QXfT0AupBiqq0IQARAQABiQEfBBgBAGAJBQJLy0raAhsMAAoJ
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E8Lb4zQJa1RtSj8Ma/Qx+cL7BNWypZAUirXrhZiVdajvnQ87CyW2bjZ1w4zsv1Qm
mbKT6TmfMuGQLUjno0wdRh77TfyLirKsXx1535UY6gH3YFAiZaf5H4yosC49tizF
l5WN0v4DmHSJ5npLiAORSrBDeJwk2wLjp7N+7Hy9lbyMegAwYMQSrQTWNRGok0K
ufjKvZwbUTmo/MYaLncTWpWl/ZFL21s90vBM36q0RiPDVCKZvqrdwyqb56Fr4KUH
yl7T0EgJibW2V19o1SPGrF7QFfc3nE7S407UmRc=
=+R9q
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.219. Roman Kurakin <[rik@FreeBSD.org](mailto:rik@FreeBSD.org)>

```

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

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/wYYQ2k0jA0pehd7QYYB6w06gi+siJ9UY6iEhVxr08rF5Er7RYXICubDEwCgszsF
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EyMRY/pCvge7k1kjmm/6eZ3M39fPrvwcpfsRF/dlgEeQI9Pn0HDJWG7eU/zg0wrQ
VkvELJ6qtJvLQRKMh51eFlkR00Fy0HsBwfc4U82GvBLU5fPL1FujMeVLJtZ0W3q+
nHjUA/4z0JVp6vNCKP0r+BiJhdJsiAYkGUDqHR/mZcChcRD9jJVR01JDQ0SvP3o1
GvFqgRU5VsvYXKVKLVovQiKGU0Hf/ZI0nY8ek49nTsUTm1MDPIFqMl182uxr3s40
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YwtpbiA8cmLrQEZYZwVCU0Qub3JnPohmBBMRAGAmBQJDopIpAhsDB0kFo5qABgsJ
CAcDAgQVAggDBBYCAwECHgECF4AAACgkQQrGTfMhVD0yS6gCfQyXa2JPiyfy0EFzQ
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eBlhsxJedXUAna/ft0sZtbG4o299udw71y57GHMPiEYEEBECAAYFAk0j44IACgkQ
hdRQRWtpGw0ERQcdH2AVeiuQohXg0X2PdCIZYiufCEEAAoJgG0NTdR1U3cp1X4Hhc
cuAX+Z1IiEYEEBECAAYFAk0j7gcACgkQXetX/hlJ31B1CgCfbgMdPkgLWLQ0HHKx
rR1nB3hzAiAnj0wE3TRytoNLPAAuECgudqkqpnRuQINBE0ikLMQCACBiZ5wcv8t
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CQWjmoAACGkQQrGTfMhVD0wzaQCgkceiB8ksT3+rwFRAPwaWT08ey0An3w0Diff
8juSFfJ2ZBIPyPzTGgMu
=0i68
```

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

### 3.220. Hideyuki KURASHINA <[rushani@FreeBSD.org](mailto:rushani@FreeBSD.org)>

```
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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.2.1 (FreeBSD)
```

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HQ9mGVKuUC3Zh0FzvdS7Ks2ss9ynxfbFXnyyA0qXwTzU9pMuW5oL0UmjqwEfAhV
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cnVzaGFuaUBqcC5GcmVlQlNELm9yZz6IXAQTEQIAHAUCPjj0/wIbAwQLBwMCAxUC
AwMwAgECHgECF4AAACgkQ8vogiE0a3FerLwCfRPWW7LC/pAVdD2Jo+8rcWTKQ1xEA
```

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oIQ/on62k7YB0+bu0+K472a/cw2MuQENBDybt6UQBAD/ZGmvwhzt9YWhF9q7mLOT
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.221. Jun Kuriyama <kuriyama@FreeBSD.org>

```
pub 1024D/FE3B59CD 1998-11-23 Jun Kuriyama <kuriyama@imgsrc.co.jp>
Key fingerprint = 5219 55CE AC84 C296 3A3B B076 EE3C 4DBB FE3B 59CD
uid Jun Kuriyama <kuriyama@FreeBSD.org>
uid Jun Kuriyama <kuriyama@jp.FreeBSD.org>
sub 2048g/1CF20D27 1998-11-23
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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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### 3.222. Gleb Kurtsov <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 Kurtsov <gleb@FreeBSD.org>
uid Gleb Kurtsov <gleb.kurtsov@gmail.com>
sub 2048R/E628ECBAC4622293 2013-11-02 [expires: 2016-11-01]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.223. René Ladan <rene@FreeBSD.org>

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pub 4096R/ADBBF8610A3789B7 2012-11-18 [expires: 2016-12-26]
Key fingerprint = 101A 716B 162B 00E5 5BED EA05 ADBB 861 0A37 89B7
uid René Ladan <rene@freebsd.org>
sub 4096R/CB77BE03B67184C6 2012-11-18
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### 3.224. 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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### 3.225. Clement Laforet <clement@FreeBSD.org>

```

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>

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sub 2048g/23D57658 2003-12-13

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### 3.226. 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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### 3.227. Dan Langille

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

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

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eK0fxfZq77++Uu9LNxg/IIFQuQINBD+Fk7QQCACFHi8hT2C2/YEWRBw4f0gstMU9
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76DmQsg1vUwrqpCjilrG9oNpMqTwSSuGbcnWE69aJaUc0Nubz86heLF0ZwT5CEW
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=VNnr
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.231. 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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### 3.232. 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+vdwRBAD2rMNIzfqBN9PCvrGHaatVwf0Rzhr6gSFFjxk5Z6HhnGsQS08r
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.233. Sam Lawrance <[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 Lawrance <Lawrance@FreeBSD.org>
uid Sam Lawrance <boris@brooknet.com.au>
sub 2048g/0F9CCF92 2003-08-14

```

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

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

```

### 3.234. Nate Lawson <[njl@FreeBSD.org](mailto:njl@FreeBSD.org)>

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pub 1024D/60E5AC11 2007-02-07

```



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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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.235. Jeremie Le Hen <jlh@FreeBSD.org>

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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 <tzt@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-----

```

### 3.236. Yen-Ming Lee <leeym@FreeBSD.org>

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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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.237. 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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**3.238. 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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**3.239. 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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### 3.240. 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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### 3.241. Alexander Leidinger <netchild@FreeBSD.org>

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pub 4096R/8F31830F9F2772BF 2016-08-16 [verfallt: 2018-08-16]
  Schl.-Fingerabdruck = 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/37E5327D7F064691 2016-08-16 [verfallt: 2018-08-16]
  Schl.-Fingerabdruck = 9840 A305 9FE2 D394 17C8 4C8F 37E5 327D 7F06 4691
sub 4096R/AAF1421A85208084 2016-08-16 [verfallt: 2018-08-16]
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GaZSYXwpB43wsdxyGkrOp5HR0qdVsGpi/zvfY2y59MyXwVhdjUlVijgVFX/4wUYG  
2HKZtJGbkj7stmUNH0BAGgs03l531rVJQ7iyY2Cd4S9umi0xCBwf84h9QxfHhZ2  
dRDR9R5Kpc0SxJZ6kskPc6MZj/Lg1DVvbjBg00Vd1oskvSZH7ScPancXS2FTth+

```
R6YSBKdENFnZ106rg2nT+3jIi2ksCuYhCQnp3NIKLvNQcy4CdGI1DTEpSrVRrCuI
QZRW7Za/HV2P+BINYIr840NkEfozIcM0qZ3Qi00F05iD+9gNktI4Mj++eSJryCeR
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=YFWT
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.242. Andrey V. Elsukov <ae@FreeBSD.org>

```
pub 2048R/10C8A17A 2010-05-29
    Key fingerprint = E659 1E1B 41DA 1516 F0C9 BC00 01C5 EA04 10C8 A17A
uid                               Andrey V. Elsukov <ae@freebsd.org>
uid                               Andrey V. Elsukov <bu7cher@yandex.ru>
sub 2048R/0F6D64C5 2010-05-29
```

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

mQENBEwBF1kCBADB9sXFhBEUy8qQ4X63Y8eBatYMHGEFwN9ypS5LI3RE6qQW2EYb
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ZEjWHV91hY1YTHEFZW/0GYinDf56sYpDDehaBF5wkWIo1+QK5nmj3vL0DIDCMNd7
QEiWpyLVwECGLX2e0AXByT8BbCqVhJGcG6iFP7/B9Ll6uX5gb8thM9LM+ibwErDB
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TSxwLu63QejRGbZWSz30K3jM0oF63tCgn7FvABEBAAG0JUFuZHJleSBWLiBFbHN1
a292IDxidTdjagVvYQhLhbmRleC5ydT6JATgEEwECACIFAKwBF1kCGwMGCwkIBwMC
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65Ai5YkA63BSHEE1Qle3VBhdcG1w0CB5FBV3pB27UvNf0jEbysrDqW4qN7XMRFSW
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4Nx5GPdzuaAJGKwksV+w9mo7dQvU+NmI2az5w8vw980mX7G00V9snxMW+6cyNqBr
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DGqaGIm9gOK1ANxfrR5PgPzvI9VxDhLr2juEVMZYAqPLEJJe+SSxbwLozBcFCNdDA
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=KVzv
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.243. Dejan Lesjak <lesi@FreeBSD.org>

```
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
```



```

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

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GwYrQLQJHJcCFbxnYUGJX/sEAJXyzea8rzP7dTUsa0YcLitIpy/eDI3vkB0aW7Uh
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n1Kfo14Pijwx26kysheLFV1jutrq
=IfeN
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.244. Achim Leubner <[achim@FreeBSD.org](mailto: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-----

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=jnyf
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.245. 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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K6INva6kpzQhNDxBUyLh4onp7hZyt9zXdZrfYJLexbrxkP1LDRDNJJAY29LnVR2
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-----END PGP PUBLIC KEY BLOCK-----

### 3.246. Don "Truck" Lewis <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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=k9Zb
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.247. Greg Lewis <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

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

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pub 2048R/A3CA4C13 2013-06-12 [expires: 2017-06-12]
    Key fingerprint = E37B CB18 35D1 F01B 7D7B 1000 0EAF 4BEA A3CA 4C13
uid                               Qing Li <qingli@freebsd.org>
sub 2048R/EF3A9370 2013-06-12 [expires: 2017-06-12]

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### 3.249. Xin Li <delphij@FreeBSD.org>

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pub 4096R/95B6181B2D33E9EC 2013-10-03 [expires: 2018-10-02]
    Key fingerprint = 0E1A 6039 BFD2 1F02 DD1B BFF5 95B6 181B 2D33 E9EC
uid                               Xin Li <d@delphij.net>
uid                               Xin Li <delphij@FreeBSD.org>
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sub 4096R/7D0C88F036C2299B 2013-10-03 [expires: 2018-10-02]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.250. 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@mmlab.cse.yzu.edu.tw>
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### 3.251. 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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3.252. 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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1HPbb6snB/HKN/Kv2sti
=etqn
-----END PGP PUBLIC KEY BLOCK-----
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### 3.253. 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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-----END PGP PUBLIC KEY BLOCK-----

```

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

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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@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-----
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### 3.255. Clive Lin <clive@FreeBSD.org>

```
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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Version: PGP Key Server 0.9.6
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=g51D
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3.256. Po-Chien Lin <pcclin@FreeBSD.org>

```

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

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### 3.257. Yi-Jheng Lin <yzLin@FreeBSD.org>

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pub 2048R/A34C6A8A 2009-07-20
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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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**3.258. Mark Linimon <linimon@FreeBSD.org>**

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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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### 3.259. Tilman Keskinöz <arved@FreeBSD.org>

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pub 4096R/6774D2A3 2013-09-24 [expires: 2018-09-23]
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/8CD560FB 2013-09-24 [expires: 2018-09-23]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.260. Dryice Liu <[dryice@FreeBSD.org](mailto:dryice@FreeBSD.org)>

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uid Dryice Liu <dryiceliu@gmail.com>
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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 #8217;s primary GPG key

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### 3.261. Tong Liu <nemoliu@FreeBSD.org>

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pub 1024D/ECC7C907 2007-07-10
Key fingerprint = B62E 3109 896B B283 E2FA 60FE A1BA F92E ECC7 C907
uid Tong LIU <nemoliu@FreeBSD.org>
sub 4096g/B6D7B15D 2007-07-10
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**3.262. Kevin Lo** <kevlo@FreeBSD.org>

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pub  rsa2048/B3A1FFA311EB8D74 2016-08-17 [SC] [&#21040;&#26399;: 2031-08-14]
&#37329;&#38000;&#25351;&#32011; = 4AFF A126 9306 314C 968F C63A B3A1 FFA3 11EB 8D74
uid                               Kevin Lo <kevlo@FreeBSD.org>
sub  rsa2048/A48BDAE5E9EA493B 2016-08-17 [E] [&#21040;&#26399;: 2031-08-14]
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**3.263. Zachary Loafman** <zml@FreeBSD.org>

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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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### 3.264. Juergen Lock <nox@FreeBSD.org>

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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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### 3.265. Remko Lodder <remko@FreeBSD.org>

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pub 4096R/3F774079 2012-11-11 [expires: 2016-11-11]
Key fingerprint = 7EE4 C4AF DCA3 E0B4 479B A344 7135 8ED6 3F77 4079
uid Remko Lodder <remko@FreeBSD.org>
sub 4096R/59F38CB0 2012-11-11 [expires: 2016-11-11]

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### 3.266. Alexander Logvinov <avl@FreeBSD.org>

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pub      1024D/1C47D5C0 2009-05-28
         Key fingerprint = 8B5F 880A 382B 075E E707 9DB2 E135 4176 1C47 D5C0
uid      Alexander Logvinov <alexander@logvinov.com>
uid      Alexander Logvinov (FreeBSD Ports Committer) <avl@FreeBSD.org>

```

```
uid Alexander Logvinov <ports@logvinov.com>
uid Alexander Logvinov <logvinov@gmail.com>
uid Alexander Logvinov <logvinov@yandex.ru>
sub 2048g/60BDD4BB 2009-05-28
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### 3.267. Isabell Long <issyl0@FreeBSD.org>

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pub 8192R/0x66E1760E20E8FD7D 2013-09-26 [expires: 2018-09-01]
Key fingerprint = 6E31 23BB B9AC C8BB 441F DC30 66E1 760E 20E8 FD7D
uid [ultimate] Isabell Long (Personal) <isabell@issyl0.co.uk>
uid [ultimate] Isabell Long (BitFolk Limited) <isabell@bitfolk.com>
uid [ultimate] Isabell Long (FreeBSD) <issyl0@FreeBSD.org>
sub 8192R/0xE1FE57DEB9FE6B83 2013-09-26 [expires: 2018-09-01]
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Comment: GPGTools - https://gpgtools.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.268. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.269. Jonathan T. Looney <[jtl@FreeBSD.org](mailto:jtl@FreeBSD.org)>

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pub 4096R/F8C879462E5477E3 2015-04-09 [expires: 2017-06-30]
    Key fingerprint = 1F3D 2022 617C 1E04 8C74 02AB F8C8 7946 2E54 77E3
uid Jonathan T. Looney <jonlooney@gmail.com>
uid Jonathan T. Looney <jlooney@juniper.net>
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sub 4096R/EA74BDBC891F9AFD 2015-04-09 [expires: 2017-06-30]
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Comment: GPGTools - https://gpgtools.org
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.270. Wojciech Macek <wma@FreeBSD.org>

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

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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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### 3.272. Bruce A. Mah <[bmah@FreeBSD.org](mailto:bmah@FreeBSD.org)>

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pub 2048R/4984910A8CAEE8A 2014-01-17 [expires: 2017-01-16]
Key fingerprint = F85A 3820 4369 F71A 34D4 4E83 4984 910A 8CAA EE8A
uid Bruce A. Mah <bmah@kitchenlab.org>
uid Bruce A. Mah <bmah@es.net>
uid Bruce A. Mah <bmah@acm.org>
uid Bruce A. Mah <bmah@ieee.org>
```

```
uid          Bruce A. Mah <bmah@freebsd.org>
sub 2048R/3FE58165F851A044 2014-01-17 [expires: 2017-01-16]
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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### 3.273. 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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### 3.274. Mike Makonnen <mtm@FreeBSD.org>

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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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3.275. David Malone <dwmalone@FreeBSD.org>

```

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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### 3.276. 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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3.277. John Marino <marino@FreeBSD.org>

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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### 3.278. 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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### 3.279. Ed Maste <emaste@FreeBSD.org>

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pub  rsa2048/5D9A9C3B43EEF099 2015-07-08 [expires: 2017-07-07]
     Key fingerprint = F7E1 F016 EF5B 923A 6134 8BC8 5D9A 9C3B 43EE F099
uid  Ed Maste <emaste@freebsd.org>
sub  rsa2048/A294A95EA92D2D89 2015-07-08 [expires: 2017-07-07]

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### 3.280. Cherry G. Mathew <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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.281. Makoto Matsushita <[matusita@FreeBSD.org](mailto: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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.282. Martin Matuska <mm@FreeBSD.org>

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pub  rsa4096/F040F7196BA99AF4 2016-12-17 [SC] [expires: 2019-12-17]
    Key fingerprint = CB55 7883 60B9 92FA 0885 C878 F040 F719 6BA9 9AF4
uid  Martin Matuska <martin@matuska.org>
uid  Martin Matuska <mm@FreeBSD.org>
sub  rsa4096/55C10957CD8D760F 2016-12-17 [E]
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### 3.283. Sergey Matveychuk <[sem@FreeBSD.org](mailto: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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```

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/CYAn14opUDUCjxXXd3vrkwzNCiRYQ5i
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-----END PGP PUBLIC KEY BLOCK-----
```

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

```
pub 2048R/E523D98C5DCEE9D0 2014-05-13 [expires: 2017-05-12]
Key fingerprint = E5A6 6376 9B87 C35A B41E 1F7B E523 D98C 5DCE E9D0
uid Stephen McConnell <slm@FreeBSD.org>
sub 2048R/0A1BC20E46082DDE 2014-05-13 [expires: 2017-05-12]
```

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

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.285. Stephen McKay <mckay@FreeBSD.org>

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

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F42zJhgvkfm+I5cZLP3wKA2vgzYx/BSEG30sK/uYX9s+Fk88BgbAuq6oLTrSvLma
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-----END PGP PUBLIC KEY BLOCK-----

**3.286. Kirk McKusick <mckusick@FreeBSD.org>**

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pub  rsa2048/CAB83758086F2431 2015-10-23
     Key fingerprint = 56A8 62BC E973 24B7 E787 3F75 CAB8 3758 086F 2431
uid  Marshall Kirk McKusick <mckusick@freebsd.org>
uid  Marshall Kirk McKusick <mckusick@mckusick.com>
sub  rsa2048/DD2D6C768B07C96A 2015-10-23
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.287. Tom McLaughlin <tmclaugh@FreeBSD.org>**

```
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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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3.288. 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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### 3.289. Johannes Meixner <xmj@FreeBSD.org>

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Key fingerprint = 224E D70A A3AE 3EF1 23B0 CA88 FC9E 2937 1B1B 0D0B  
uid Johannes Jost Meixner <xmj@chaot.net>  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.290. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.291. Michal Meloun <[mmel@FreeBSD.org](mailto: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>  
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### 3.292. Julio Merino <jmmv@FreeBSD.org>

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uid      Julio M. Merino Vidal <jmmv@NetBSD.org>
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UKUU51TmVu0aitP0PyQjbmCoCTXF7TN0FLGE0Q6m7dARL9W4iAyngyJD+6oNjYqv
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mgCfR6B/doEGKg+jXNlwd4MKBkm6roc=
=Hq20
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.293. Kashyap D. Desai <kadesai@FreeBSD.org>

```
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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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c6col47TAbpBvGwUMCXJGCoUqaq0xKVLRMq3VSjFASizDCf/ldv3ps+RCwCg7kN7
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=5emX
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```
-----END PGP PUBLIC KEY BLOCK-----
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### 3.294. Kenneth D. Merry <ken@FreeBSD.org>

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

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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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=CRmh
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.295. Mark Murray <[markm@FreeBSD.org](mailto:markm@FreeBSD.org)>

```

pub      1024D/FB57D793 2000-01-20
Key fingerprint = 3FB6 3D12 0CF0 611F 0441 CD18 CD0B 8A35 FB57 D793
uid           Mark R V Murray <mark@grondar.org>
uid           Mark R V Murray <mark@grondar.za>
uid           Mark R V Murray <markm@uunet.co.za>
uid           Mark R V Murray <markm@freebsd.org>
sub      2048g/EB82BBFC 2000-01-20

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG/MacGPG2 v2.0
Comment: GPGTools - http://gpgtools.org

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```

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=l1Dp
-----END PGP PUBLIC KEY BLOCK-----

```

3.296. Dirk Meyer <dinoex@FreeBSD.org>

```

pub 1024R/331CDA5D 1995-06-04 Dirk Meyer <dinoex@FreeBSD.org>
Key fingerprint = 44 16 EC 0A D3 3A 4F 28 8A 8A 47 93 F1 CF 2F 12
uid Dirk Meyer <dirk.meyer@dinoex.sub.org>

```



uid Dirk Meyer <dirk.meyer@guug.de>

```
-----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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### 3.297. 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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### 3.298. Robert Millan <rmh@FreeBSD.org>

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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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### 3.299. Joseph Mingrone <jrm@FreeBSD.org>

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### 3.300. 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>
uid   Michael Moll <mmoll@FreeBSD.org>
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### 3.301. Christoph Moench-Tegeder <cmt@FreeBSD.org>

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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]
sub  rsa2048/B9D177E18591F34C 2015-07-11 [E] [expires: 2017-07-10]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.302. Stephen Montgomery-Smith <[stephen@FreeBSD.org](mailto: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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=DJbN
-----END PGP PUBLIC KEY BLOCK-----

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### 3.303. Marcel Moolenaar <[marcel@FreeBSD.org](mailto:marcel@FreeBSD.org)>

```

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

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

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### 3.304. 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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-----END PGP PUBLIC KEY BLOCK-----

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### 3.305. Dmitry Morozovsky <marck@FreeBSD.org>

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pub 4096R/0650BCC042473949 2013-11-25 [expires: 2016-11-24]
    Key fingerprint = 6BF3 EE15 5E2D 46F5 0B57 3A81 0650 BCC0 4247 3949
uid
uid Dmitry Morozovsky <marck@rinet.ru>
uid Dmitry Morozovsky <marck@FreeBSD.org>
sub 4096R/948FF5948B7DAAA4 2013-11-25 [expires: 2016-11-24]
sub 4096R/65AA79C860E297A8 2013-11-25 [expires: 2016-11-24]

pub 1024D/85D450456B691B03 2001-07-20
    Key fingerprint = 39AC E336 F03D C0F8 5305 B725 85D4 5045 6B69 1B03
uid
uid Dmitry Morozovsky <marck@rinet.ru>
uid Dmitry Morozovsky <marck@FreeBSD.org>
sub 2048g/EC88D8AE44D656F8 2001-07-20

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054;090;087;077;095;072;090;086;082; 082;083;01102;095;072; = E98C F3C4 E69C C3CD 0E57 9D55 8318 C395 5BAB 227F
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uid Alexander Motin <mav@ixsystems.com>
uid Alexander Motin <mav@mavhome.dp.ua>
uid Alexander Motin <mavbsd@gmail.com>
sub 2048R/0644E1A545DBCC15 2014-07-02 [075;086;076;077;085; 086;086;: 2017-07-01]
```

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

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=s7JZ
-----END PGP PUBLIC KEY BLOCK-----

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### 3.307. Felipe de Meirelles Motta <[lippe@FreeBSD.org](mailto: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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=q3W+
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.308. Rich Murphey <[rich@FreeBSD.org](mailto: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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tCRSaWnoIE11cnBoZXkgPHJpY2hAbGFtcHJleS51dG1iLmVkdT6JAJUDBRAve15W
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.309. Akinori MUSHA <knu@FreeBSD.org>

```

pub 1024D/9FD9E1EE 2000-03-21 Akinori MUSHA <knu@and.or.jp>
    Key fingerprint = 081D 099C 1705 861D 4B70 B04A 920B EFC7 9FD9 E1EE
uid                               Akinori MUSHA <knu@FreeBSD.org>
uid                               Akinori MUSHA <knu@idaemons.org>
uid                               Akinori MUSHA <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)
Comment: For info see http://www.gnupg.org

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1Xo=
=M+A1
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.310. Thomas Möstl <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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=76WN
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.311. Masafumi NAKANE <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
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.2.2 (FreeBSD)

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TkFLQU5FIDxtYXhARnJLZUJTRC5vcmc+iFcEExECABcFAjv4RDQFCwcKawQDFQMC
AxYCAQIXgAAKCRCLvhwezjVrWUEIAKcgvSawCg1Lzrbf8uZdMAfe0WFXQCd7EF
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```

```

aWxpdHkub3JnPohXBBMRAgAXBQI7+ERfBQsHCgMEAxUDAgMWAagECF4AACgkQLZYV
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+ESBBQsHCgMEAxUDAgMWAagECF4AACgkQLZYVns41a1nv1ACggYgtKhaprMs30oz
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6Va2/bf7Ln4TKyl17uRro7Y=
=VmY5
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.312. 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-----
```

```

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qDwWlJ9TsUn/pDsBfLPFe57okBlPgSywTLGLuur0aT7oda6Z2K0F0iALVwCgn/b2
7R19gm0uKjzsEpeJafW6LZMD+wQK4qETffrdqRoVRnzpTa+xa60kQxxsIeibffy
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ZDVC/M0s8sUfAJwIJuJHTepRSP6qVzkXiXF5TRM2A==
=Rtch
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.313. 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

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-----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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Kj5SP2hFC0ueyQtPDoJEgED/0bPL9R08io82IQqs0R9IUy00dFJKLVWLnolLEY
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=NZ/b
-----END PGP PUBLIC KEY BLOCK-----

```

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

```

pub 1024D/8E53F00E 2007-04-13
    Key fingerprint = DD8F 91B0 12D9 6237 42D9 DBE1 AFC8 CDE9 8E53 F00E
uid                               Edward Tomasz Napierała <trasz@FreeBSD.org>
sub 2048g/7C1F5D67 2007-04-13

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

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AhsDBgsJCAcDAgQVAggDBBYCAwECHgECF4AACGkQr8jN6Y5T8A7L7wCfa7dxDhHm
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```



```
A1nZImvDNLUoX11YZRLHCc9nz2V7HIzTacNL8ue5DenmtSs72S3zHM/DnIhXjx8r
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=hc/r
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.315. 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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4eacgJsLT9kzYptd0jgm4BYhBxnkZ9iyYSFyQZyLoD2RyxqI7BdcWo/wqn00YCBC
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.316. David Naylor <dbn@FreeBSD.org>

```
pub rsa4096/35C84A0DEC1D97CD 2014-03-06 [SC] [expires: 2019-03-05]
    Key fingerprint = A372 D3E1 D587 2D99 A5FF F243 35C8 4A0D EC1D 97CD
uid                               David Naylor (FreeBSD) <dbn@FreeBSD.org>
uid                               David Naylor (Private) <naylor.b.david@gmail.com>
sub rsa4096/AD63FA8DD6B2DA55 2014-03-06 [S] [expires: 2017-03-13]
    Key fingerprint = 948E C511 A27F 0302 E799 B53A AD63 FA8D D6B2 DA55
sub rsa4096/88D62359F19D95D0 2014-03-06 [E] [expires: 2017-03-13]
    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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DrTgpULfPRsHt/IqwYFwbnubn4Q1ft7IUHodPZD7bosSkM6wLPf+egNeCphdLfs  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.317. 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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-----END PGP PUBLIC KEY BLOCK-----
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**3.318. George V. Neville-Neil** <[gnn@FreeBSD.org](mailto:gnn@FreeBSD.org)>

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pub 1024D/440A33D2 2002-09-17
    Key fingerprint = AF66 410F CC8D 1FC9 17DB 6225 61D8 76C1 440A 33D2
uid          George V. Neville-Neil <gnn@freebsd.org>
uid          George V. Neville-Neil <gnn@neville-neil.com>
sub 2048g/95A74F6E 2002-09-17
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.319. 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-----
```

### 3.320. Robert Noland <[rnoLand@FreeBSD.org](mailto:rnoLand@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 <rnoLand@FreeBSD.org>
uid Robert C. Noland III (Personal Key) <rnoLand@2hip.net>
sub 2048g/76C3CF00 2007-07-24
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-----END PGP PUBLIC KEY BLOCK-----
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**3.321. 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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**3.322. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.323. David O'Brien <[obrien@FreeBSD.org](mailto:obrien@FreeBSD.org)>

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pub 1024R/34F9F9D5 1995-04-23 David E. O'Brien <defunct - obrien@Sea.Legent.com>
Key fingerprint = B7 4D 3E E9 11 39 5F A3 90 76 5D 69 58 D9 98 7A
uid David E. O'Brien <obrien@NUXI.com>
uid deobrien@ucdavis.edu
uid David E. O'Brien <whois Do38>
uid David E. O'Brien <obrien@FreeBSD.org>
uid David E. O'Brien <dobrien@seas.gwu.edu>
uid David E. O'Brien <obrien@cs.ucdavis.edu>
uid David E. O'Brien <defunct - obrien@media.sra.com>
```

```
uid David E. O'Brien <obrien@elsewhere.roanoke.va.us>
uid David E. O'Brien <obrien@Nuxi.com>

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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### 3.324. Jimmy Olgeni <olgeni@FreeBSD.org>

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

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### 3.325. 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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### 3.326. Philip Paeps <[philip@FreeBSD.org](mailto:philip@FreeBSD.org)>

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pub  rsa2048/31AEB9B5FDBBCB0E 2015-06-14 [expires: 2018-06-13]
      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 [expires: 2017-06-29]
sub   rsa2048/935DB8343AF25C94 2015-06-14 [expires: 2017-06-29]
sub   rsa2048/CFF632544136DF54 2015-06-14 [expires: 2017-06-29]
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### 3.327. 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@tcbug.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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### 3.328. Gábor Páli <pgj@FreeBSD.org>

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uid Páli Gábor János (Eötvös Loránd University) <pgj@inf.elte.hu>
uid Gabor Pali (FreeBSD committer) <pgj@FreeBSD.org>
uid Páli Gábor János (Magyar BSD Egyesület) <pgj@bsd.hu>
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-----END PGP PUBLIC KEY BLOCK-----
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**3.329. 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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-----END PGP PUBLIC KEY BLOCK-----
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**3.330. Hiten Pandya** <[hmp@FreeBSD.org](mailto:hmp@FreeBSD.org)>

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pub 1024D/938CACA8 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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### 3.331. Dima Panov <luffy@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) <luffy@FreeBSD.ORG>
uid Dima Panov (at home) <Fluffy@Fluffy.Khv.RU>
uid Dima Panov (at home) <luffy.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) <luffy@FreeBSD.ORG>
uid Dima Panov (at Home) <luffy@Fluffy.Khv.RU>
uid Dima Panov (at GMail) <luffy.khv@gmail.com>
sub 4096R/915A7785 2009-08-09
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### 3.332. 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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### 3.333. Navdeep Parhar <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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### 3.334. Roger Pau Monné <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@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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### 3.335. Rui Paulo <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
uid Rui Paulo <rpaulo@FreeBSD.org>
uid Rui Paulo <rpaulo@gmail.com>
sub 4096R/F87D2F34 2010-02-03

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### 3.336. 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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### 3.337. Jean-Sébastien Pédron <dumbbell@FreeBSD.org>

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pub 4096R/D938F9C86816981C 2014-01-14 [expires: 2017-01-16]
Key fingerprint = D72F 4B84 7098 9244 20E6 2B93 D938 F9C8 6816 981C
uid Jean-Sébastien Pédron <jean-sebastien.pedron@dumbbell.fr>
uid Jean-Sébastien Pédron <dumbbell@FreeBSD.org>
sub 4096R/A185D28321B02B03 2014-01-14 [expires: 2017-01-16]
Key fingerprint = FDC4 0948 8453 5198 3EA1 5F56 A185 D283 21B0 2B03
sub 4096R/39E99761A5FD94CC 2014-01-14 [expires: 2017-01-16]
Key fingerprint = 6708 7FD1 AEAE 0E12 DBC6 A6F0 39E9 9761 A5FD 94CC
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### 3.338. Mark Peek <mp@FreeBSD.org>

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### 3.339. Peter Pentchev <roam@FreeBSD.org>

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pub 1024D/16194553 2002-02-01
Key fingerprint = FD8A 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@sbnd.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@sbnd.net>
uid Peter Pentchev <roam@online.bg>
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uid Peter Pentchev <roam@techlab.office1.bg>
uid Peter Pentchev <roam@hoster.bg>
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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### 3.340. Denis Peplin <den@FreeBSD.org>

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pub 1024D/485DDDF5 2003-09-11 Denis Peplin <den@FreeBSD.org>
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Key fingerprint = 495D 158C 8EC9 C2C1 80F5 EA96 6F72 7C1C 485D DDF5
sub 1024g/E70BA158 2003-09-11
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### 3.341. 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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### 3.342. 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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### 3.343. 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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-----BEGIN PGP PUBLIC KEY BLOCK-----

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

```



**3.344. John Polstra <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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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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**3.345. Kirill Ponomarew <krion@FreeBSD.org>**

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pub 1024D/AEB426E5 2002-04-07
Key fingerprint = 58E7 B953 57A2 D9DD 4960 2A2D 402D 46E9 AEB4 26E5
uid Kirill Ponomarew <krion@voodoo.bawue.com>
uid Kirill Ponomarew <krion@guug.de>
uid Kirill Ponomarew <krion@FreeBSD.org>
sub 1024D/05AC7CA0 2006-01-30 [expires: 2008-01-30]
sub 2048g/C3EE5537 2006-01-30 [expires: 2008-01-30]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.346. 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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### 3.347. Carlos J. Puga Medina <cpm@FreeBSD.org>

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pub 2048R/A1F35D66E6D05453 2015-07-25 [expires: 2018-06-01]  
Key fingerprint = C60E 9497 5302 793B CC2D BB89 A1F3 5D66 E6D0 5453  
uid Carlos Jacobo Puga Medina <cjpm@gmx.es>  
uid Carlos Jacobo Puga Medina <cjpm@correo.ugr.es>  
uid Carlos Jacobo Puga Medina <cpm@FreeBSD.org>  
uid Carlos Jacobo Puga Medina <cpm@fbsd.es>  
uid Carlos Jacobo Puga Medina <cjplugmed@gmail.com>  
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### 3.348. Mark Pulford <markp@FreeBSD.org>

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

### 3.349. Alejandro Pulver <[alepulver@FreeBSD.org](mailto:alepulver@FreeBSD.org)>

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

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.350. Kristof Provost <[kp@FreeBSD.org](mailto:kp@FreeBSD.org)>

```
pub rsa2048/6FC4DC71FB5E4A46 2015-03-23 [expires: 2018-03-22]
    Key fingerprint = 86FB A6CE 751B B4CC 9A0E 5172 6FC4 DC71 FB5E 4A46
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uid Kristof Provost <kp@freebsd.org>
sub rsa2048/7287BC16FB5B8FA1 2015-03-23 [expires: 2018-03-22]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.351. Thomas Quinot <[thomas@FreeBSD.org](mailto:thomas@FreeBSD.org)>

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pub 4096R/9495D5E10F2C905E 2014-05-14 [expires: 2018-05-13]
Key fingerprint = 6048 5466 BE2C 284C C140 FFE9 9495 D5E1 0F2C 905E
uid Thomas Quinot <thomas@quinot.org>
uid Thomas Quinot <thomas@cuivre.fr.eu.org>
uid Thomas Quinot (FreeBSD) <thomas@freebsd.org>
sub 4096R/DF8E0B5C7CC62EF2 2014-05-14 [expires: 2016-05-13]
sub 4096R/4FC12CCCFD5176B 2014-05-14 [expires: 2016-05-13]
sub 4096R/4B31C02F7F15353F 2014-05-14 [expires: 2016-05-13]
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### 3.352. Herve Quiroz <hq@FreeBSD.org>

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

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### 3.353. Doug Rabson <[dfr@FreeBSD.org](mailto:dfr@FreeBSD.org)>

```

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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### 3.354. Muhammad Moinur Rahman <[bofh@FreeBSD.org](mailto:bofh@FreeBSD.org)>

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pub  rsa4096/BDB9B5A617C0BC91 2014-12-17 [expires: 2017-12-17]
      Key fingerprint = 4DF7 5112 8506 8D06 4A05 2F9F BDB9 B5A6 17C0 BC91
uid  Muhammad Moinur Rahman <5u623l20@gmail.com>
uid  Muhammad Moinur Rahman (Official) <moin@lasia-ahl.com>
uid  Muhammad Moinur Rahman (FreeBSD) <bofh@freebsd.org>
sub  rsa4096/3D4FC5F1173A113A 2014-12-17 [expires: 2017-12-17]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.355. 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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.356. 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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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.357. Jim Rees <rees@FreeBSD.org>

```

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

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B9IB7Miy4TuCbcaZDpxT7Fs=  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.359. Benedict Reuschling <bcr@FreeBSD.org>

```
pub  rsa4096/733FB585F27758FE 2015-05-22 [expires: 2018-05-21]  
      Key fingerprint = 99B8 FF96 65FF 8980 3F58 DB55 733F B585 F277 58FE  
uid  Benedict Reuschling <bcr@FreeBSD.org>  
sub  rsa4096/C04F357C5C6E5363 2015-05-22 [expires: 2018-05-21]
```

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BzE4h1f/g7dzdXyRA1Chiro3WHxV6jqxE0CmsAr+5X10pvfFE2/Po1L4Trzb6Hze  
Sebsknx0Xxj+rRGsky/VQm1bf6yCbpbEOVCBG1bkd7ltGACu04MB0fmvNPegCs0g  
ZlF3xHkZ72ktSEo/qgX8SpkAy0IzdRHyUG5/Hcuenq2Buo1kkmAhhn/m4XB5fD  
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=93t1
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.360. Tom Rhodes <trhodes@FreeBSD.org>

```
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-----
```

### 3.361. Benno Rice <[benno@FreeBSD.org](mailto:benno@FreeBSD.org)>

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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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=29S7
-----END PGP PUBLIC KEY BLOCK-----
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### 3.362. Beech Rintoul <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>
sub 2048g/960F45D9 2013-02-26
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**3.363. Matteo Riondato** <matteo@FreeBSD.org>

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### 3.364. Ollivier Robert <roberto@FreeBSD.org>

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### 3.365. 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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### 3.366. 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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### 3.367. Guido van Rooij <[guido@FreeBSD.org](mailto:guido@FreeBSD.org)>

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pub 1024R/599F323D 1996-05-18 Guido van Rooij <guido@gvr.org>
Key fingerprint = 16 79 09 F3 C0 E4 28 A7 32 62 FA F6 60 31 C0 ED
uid Guido van Rooij <guido@gvr.win.tue.nl>

pub 1024D/A95102C1 2000-10-25 Guido van Rooij <guido@madison-gurkha.nl>
Key fingerprint = 5B3E 51B7 0E7A D170 0574 1E51 2471 117F A951 02C1
uid Guido van Rooij <guido@madison-gurkha.com>
sub 1024g/A5F20553 2000-10-25
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Comment: For info see http://www.gnupg.org
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### 3.368. 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@codelabs.ru>
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sub 3072g/5FC03749 2010-10-27
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### 3.369. Aleksandr Rybalko <ray@FreeBSD.org>

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pub 2048R/4B7B7A4E 2011-05-24
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uid Aleksandr Rybalko (Aleksandr Rybalko FreeBSD project &
identification) <ray@freebsd.org>
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### 3.370. Andrew Rybchenko <arybchik@FreeBSD.org>

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

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### 3.371. Niklas Saers <niklas@FreeBSD.org>

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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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.372. Boris Samorodov <[bsam@FreeBSD.org](mailto:bsam@FreeBSD.org)>

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pub 4096R/960E20B03A3F6D28 2013-11-22 [expires: 2018-11-21]
    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 4096R/41BFAE676CF00B2D 2013-11-22 [expires: 2018-11-21]
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### 3.373. 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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N078WY3f/Z3vt8mqg6woW54M3L37mDbNb7508HjVC8rALC3ZueCRb/CovTssxBV
```

```

TCVrcJmDYdhGxGAAIRGpiYx+9UF94AE37UgxAiLbTHCCimJmMn/tXvNsX2Qr1oKL
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IdA=
=F4/L
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.374. Alonso Schaich <[alonso@FreeBSD.org](mailto:alonso@FreeBSD.org)>

```

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

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

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### 3.375. 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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BELVfQZDMaV/Zkv1etazaLsEAJXHS06o4TFVmrHzvhMPLmS/MDJyt04MaqJwCkh
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.376. Wolfram Schneider <wosch@FreeBSD.org>

```

Type Bits/KeyID Date User ID
pub 1024/2B7181AD 1997/08/09 Wolfram Schneider <wosch@FreeBSD.org>
Key fingerprint = CA 16 91 D9 75 33 F1 07 1B F0 B4 9F 3E 95 B6 09

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.6.3ia

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

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### 3.377. Ed Schouten <ed@FreeBSD.org>

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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>

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sub 2048R/66C17FAB03333635 2016-03-03 [expires: 2021-03-02]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=r8Rs
```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.378. Cy Schubert <cy@FreeBSD.org>

```
pub 1024D/CC81BA38D8BFCD8E 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@cschubert.com>
uid Cy Schubert <cy@cschubert.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>
sub 3072g/F1FECA6C86D691BA 2000-01-08
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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IguCVQp0gIbAwYLCQgHAWIGFQgCCQoLBBYCAwEChgECF4AACgkQzIG60Ni/zY4N
VACfeWeulJEI03/tjptEbR4G37fwfRgAn3dihEymYIx0og+HSggAGZwnSn0ttBpD
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Jguuqa6zZQ+iAFMBoHzWq6MSHvopKs4fdIRPyvMX86RA6dfSd7ZCLQI2wSbLaF6d
fJgJCo1+Le3kXXn11JJpmxi0/CqnS3wy9KjXtwh/CBdyorrWqULzBej5UxE5T7bx
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GBECAAYFAjh3e0oACgkQzIG60Ni/zY76kQCgnUyrtQfTEKhW93eDpK0WtizEHBoA
n0X41k5WrU7jdBt02vxVbC5wLyUX
=o593
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.379. 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 <dshultz@uclink.Berkeley.EDU>
uid David Schultz <das@FreeBSD.ORG>
sub 2048g/69206E8E 2001-07-19

```

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

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QVE=
=qh7
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.380. 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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```

```
=S4If
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.381. 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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mQGiBDxUIHoRBACGAbIspofa2HTwV0Y81ZgrizVgvsHduKRMymu9scX6eFSQWC2a
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=YPu9
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.382. Matthew Seaman <[matthew@FreeBSD.org](mailto:matthew@FreeBSD.org)>

```
pub rsa4096/036F6C9EE7F39EBF 2013-09-29 [expires: 2018-04-23]
    Key fingerprint = 72CF AC21 79BC B024 B5B5 4590 036F 6C9E E7F3 9EBF
uid                               Matthew Seaman <m.seaman@infracaninophile.co.uk>
uid                               Matthew Seaman <matthew.seaman@adestra.com>
uid                               Matthew Seaman <matthew@freebsd.org>
sub rsa4096/5D0DFEAF7BFB01B4 2013-09-29 [expires: 2018-04-23]
sub rsa4096/BB23AF518E1A4013 2013-10-06 [expires: 2018-04-23]
sub rsa4096/E527EC985DBEA0A8 2013-10-06 [expires: 2018-04-23]
sub rsa4096/00513F10E0A9E4E7 2013-10-06 [expires: 2018-04-23]
sub rsa4096/0AC81803C8520138 2013-10-06 [expires: 2018-04-23]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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77uZA0F1a0G0XREDEA0hdcNckSNjynqAwDA6dCT1E1pi4key1fyjv4jyDF+GU/YX
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.383. 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
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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.384. Stanislav Sedov <stas@FreeBSD.org>

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pub 2048R/5617EAFB 2013-09-15 [expires: 2018-09-14]
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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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.385. Johan van Selst <johans@FreeBSD.org>

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uid Johan van Selst  
uid Johan van Selst <johans@gletsjer.net>  
uid Johan van Selst <johans@stack.nl>  
uid Johan van Selst <johans@FreeBSD.org>  
uid Johan van Selst (GSwoT:NL50) <johans@gswot.org>  
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### 3.386. Lev Serebryakov <Lev@FreeBSD.org>

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### 3.387. 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>
sub 2048g/5C3DCC24 2006-04-20

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### 3.388. Gregory Neil Shapiro <gshapiro@FreeBSD.org>

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pub 1024R/4FBE2ADD 2000-10-13 Gregory Neil Shapiro <gshapiro@gshapiro.net>  
Key fingerprint = 56 D5 FF A7 A6 54 A6 B5 59 10 00 B9 5F 5F 20 09  
uid Gregory Neil Shapiro <gshapiro@FreeBSD.org>  
  
pub 1024D/F76A9BF5 2001-11-14 Gregory Neil Shapiro <gshapiro@FreeBSD.org>  
Key fingerprint = 3B5E DAF1 4B04 97BA EE20 F841 21F9 C5BC F76A 9BF5  
uid Gregory Neil Shapiro <gshapiro@gshapiro.net>  
sub 2048g/935657DC 2001-11-14  
  
pub 1024D/FCE56561 2000-10-14 Gregory Neil Shapiro <gshapiro@FreeBSD.org>  
Key fingerprint = 42C4 A87A FD85 C34F E77F 5EA1 88E1 7B1D FCE5 6561  
uid Gregory Neil Shapiro <gshapiro@gshapiro.net>  
sub 1024g/285DC8A0 2000-10-14 [expires: 2001-10-14]
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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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### 3.389. 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>
uid                               Arun Sharma <arun.sharma@intel.com>
sub 1024g/ACAD98DA 2003-03-06 [expires: 2005-03-05]
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### 3.390. Wesley Shields <wx@FreeBSD.org>

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pub 1024D/17F0AA37 2007-12-27
    Key fingerprint = 96D1 2E6B F61C 2F3D 83EF 8F0B BE54 310C 17F0 AA37
uid                               Wesley Shields <wx@FreeBSD.org>
uid                               Wesley Shields <wx@atarininja.org>
sub 2048g/2EDA1BB8 2007-12-27
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### 3.391. 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>
uid Norikatsu Shigemura <nork@FreeBSD.org>
sub 4096g/EF56997E 2005-02-14
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.392. Shteryana Shopova <[syrinx@FreeBSD.org](mailto:syrinx@FreeBSD.org)>

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pub 4096R/35047F7A 2013-09-24 [expires: 2018-09-23]
uid Shteryana Sotirova Shopova <syrinx@FreeBSD.org>
uid Shteryana Sotirova Shopova <shteryana@FreeBSD.org>
uid Shteryana Sotirova Shopova <shteryana@gmail.com>
sub 4096R/E509C37A 2013-09-24 [expires: 2018-09-23]

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Version: GnuPG v2.0.19 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.393. 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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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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### 3.394. Ashish SHUKLA <ashish@FreeBSD.org>

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pub 4096R/E74FA4B0 2010-04-13
    Key fingerprint = F682 CDCC 39DC 0FEA E116 20B6 C746 CFA9 E74F A4B0
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@perl.org.in>
uid Ashish SHUKLA <wahjava@users.sourceforge.net>
uid Ashish SHUKLA <wah.java@yahoo.com>
uid Ashish SHUKLA <wah_java@hotmail.com>
uid Ashish SHUKLA <ashish.shukla@airtelmail.in>
uid Ashish SHUKLA <wahjava@member.fsf.org>
uid [jpeg image of size 4655]
uid Ashish SHUKLA (FreeBSD Committer Address) <ashish@FreeBSD.ORG>
sub 4096R/F20D202D 2010-04-13
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### 3.395. Bruce M. Simpson <bms@FreeBSD.org>

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pub 1024D/860DB53B 2003-08-06 Bruce M Simpson <bms@freebsd.org>
Key fingerprint = 0D5F 1571 44DF 51B7 8B12 041E B9E5 2901 860D B53B
sub 2048g/A2A32D8B 2003-08-06 [expires: 2006-08-05]

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### 3.396. Dmitry Sivachenko <[demon@FreeBSD.org](mailto:demon@FreeBSD.org)>

```

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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### 3.397. Jesper Skriver <[jesper@FreeBSD.org](mailto: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

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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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### 3.398. 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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### 3.399. 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>
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sub 2048g/7D0EB77D 2005-12-12

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### 3.400. Florian Smeets <flo@FreeBSD.org>

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pub rsa4096/E7053DF9FF86F076 2013-10-03 [expires: 2018-10-02]
Key fingerprint = A701 0320 3BCA B44A 98FE C844 E705 3DF9 FF86 F076
uid Florian Smeets <flo@smeets.xyz>
uid Florian Smeets <flo@FreeBSD.org>
uid Florian Smeets <flo@smeets.im>
sub rsa4096/F779EEDFE754EA9D 2013-10-03 [expires: 2018-10-02]
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### 3.401. Gleb Smirnoff <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 Smirnoff <glebius@FreeBSD.org>
sub 2048g/11E89DCE 2013-01-30 [expires: 2023-08-25]
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### 3.402. Ken Smith <kensmith@FreeBSD.org>

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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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-----END PGP PUBLIC KEY BLOCK-----
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### 3.403. Ben Smithurst <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 <csxbscs@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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### 3.404. Dag-Erling C. Smørgrav <des@FreeBSD.org>

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pub 4096R/92C843456DA6A66E 2013-09-24 [expires: 2018-01-01]
Key fingerprint = BB57 22E5 C9B6 77D1 73C3 8CFC 92C8 4345 6DA6 A66E
uid Dag-Erling Smørgrav <des@des.no>
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**3.405. 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          Maksym Sobolyev <sobomax@FreeBSD.org>
sub  rsa2048/6488FC11696D8A2E 2016-08-18 [E]
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**3.406. Alan Somers** <[asomers@FreeBSD.org](mailto:asomers@FreeBSD.org)>

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pub  4096R/DA05FCE8 2013-04-25 [expires: 2018-04-24]
     Key fingerprint = 9CD4 C982 738F 8B90 25E8 E6B3 5F74 63BC DA05 FCE8
uid          Alan Somers <asomers@freebsd.org>
uid          Alan Somers <asomers@gmail.com>
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### 3.407. 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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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.408. Stacey Son <[sson@FreeBSD.org](mailto:sson@FreeBSD.org)>

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pub 1024D/CE8319F3 2008-07-08
Key fingerprint = 64C7 8D92 C1DF B940 1171 5ED3 186A 758A CE83 19F3
uid Stacey Son <sson@FreeBSD.org>
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=uagC
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.409. Nicolas Souchu <[nsouch@FreeBSD.org](mailto:nsouch@FreeBSD.org)>

```
pub 1024D/C744F18B 2002-02-13 Nicolas 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-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: Pour information voir http://www.gnupg.org

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=A6my
-----END PGP PUBLIC KEY BLOCK-----
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### 3.410. 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
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sub 2048g/0CDCC535 2004-07-24

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-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.411. Toomas Soome <tsosome@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 <tsosome@FreeBSD.org>  
sub rsa2048/E8EDE9371F445697 2016-08-12 [E] [expires: 2019-08-12]
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-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
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### 3.412. 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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### 3.413. Bernard Spil <brnrd@FreeBSD.org>

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pub 4096R/30C614DDDDDF542A0 2016-06-08 [expires: 2026-06-06]
    Key fingerprint = 53CD 858B 6933 3369 CF82 E180 30C6 14DD DDF5 42A0
uid                               Bernard Spil <brnrd@FreeBSD.org>
sub 4096R/573328B91C62FD46 2016-06-08 [expires: 2026-06-06]
sub 4096R/74FBFEBF8502B0B4 2016-06-08 [expires: 2019-06-08]

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### 3.414. Ulrich Spörlein <uqs@FreeBSD.org>

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uid Ulrich Spörlein <uqs@spoerlein.net>
uid Ulrich Spörlein (The FreeBSD Project) <uqs@FreeBSD.org>
uid Ulrich Spoerlein <uspoerlein@gmail.com>
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### 3.415. Rink Springer <rink@FreeBSD.org>

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pub 1024D/ECEDBFFF 2003-09-19
    Key fingerprint = A8BE 9C82 9B81 4289 A905 418D 6F73 BAD2 ECED BFFF
uid          Rink Springer <rink@il.fontys.nl>
uid          Rink Springer (FreeBSD Project) <rink@FreeBSD.org>
uid          Rink Springer <rink@stack.nl>
sub 2048g/3BC3E67E 2003-09-19

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### 3.416. Vsevolod Stakhov <[vsevolod@FreeBSD.org](mailto:vsevolod@FreeBSD.org)>

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pub 4096R/90081437 2012-05-16 [expires: 2017-05-15]
Key fingerprint = DD9A 126C E675 1EA5 2A97 04A3 0764 7B67 9008 1437
uid Vsevolod Stakhov <vsevolod@FreeBSD.org>
sub 4096R/4A5A0B54 2012-05-16 [expires: 2017-05-15]
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### 3.417. 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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### 3.418. 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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**3.419. 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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### 3.420. 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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### 3.421. Volker Stolz <vs@FreeBSD.org>

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pub 1024R/3FD1B6B5 1998-06-16 Volker Stolz <vs@freebsd.org>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.422. Ryan Stone <rstone@FreeBSD.org>

```
pub 1024D/3141B73A 2010-04-13  
Key fingerprint = 4A6D DC04 DDC5 0822 2687 A086 FD3F 16CB 3141 B73A  
uid Ryan Stone (FreeBSD) <rstone@freebsd.org>  
sub 2048g/A8500B5F 2010-04-13
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.423. Søren Straarup <xride@FreeBSD.org>

```
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>
uid Soeren Straarup <xride@x12.dk>
sub 2048g/2B18B3B8 2006-09-28
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### 3.424. Marius Strobl <marius@FreeBSD.org>

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pub 4096R/20B70DE13F1D1E4F 2013-09-26
    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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### 3.425. Carlo Strub <cs@FreeBSD.org>

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### 3.427. Gregory Sutter <gsutter@FreeBSD.org>

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pub 1024D/AE562682 2004-05-23 SUZUKI Koichi <metal@FreeBSD.org>
Key fingerprint = 92B9 A202 B5AB 8CB6 89FC 6DD1 5737 C702 AE56 2682
sub 4096g/730E604B 2004-05-23

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

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.429. Ryusuke SUZUKI <[ryusuke@FreeBSD.org](mailto:ryusuke@FreeBSD.org)>

```
pub 1024D/63D29724 2009-12-18
    Key fingerprint = B108 7109 2E62 BECB 0F78 FE65 1B9A D1BE 63D2 9724
uid          Ryusuke SUZUKI <ryusuke@FreeBSD.org>
uid          Ryusuke SUZUKI <ryusuke@jp.FreeBSD.org>
sub 1024g/5E4DD044 2009-12-18
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.430. Gary W. Swearingen <[garys@FreeBSD.org](mailto:garys@FreeBSD.org)>

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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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=EQLl
-----END PGP PUBLIC KEY BLOCK-----

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### 3.431. Yoshihiro Takahashi <[nyan@FreeBSD.org](mailto:nyan@FreeBSD.org)>

```

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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### 3.432. Sahil Tandon <sahil@FreeBSD.org>

```
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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### 3.433. TAKATSU Tomonari <tot@FreeBSD.org>

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pub 1024D/67F58F29 2009-05-17
Key fingerprint = 6940 B575 FC4A FA26 C094 279A 4B9B 6326 67F5 8F29
uid TAKATSU Tomonari <tot@FreeBSD.org>
sub 2048g/18B112CD 2009-05-17

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

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### 3.434. Romain Tartière <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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### 3.435. Sylvio Cesar Teixeira <[sylvio@FreeBSD.org](mailto:sylvio@FreeBSD.org)>

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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
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OCR7Z1vwdFFWwQeAP070x9XoLGMZehuF70VjZpIXFgjDPBAoN5nXn4A3SjQMcXg
zDsFq0JC4N2JHwWLuX4D/CZ6caW0fI0p0sM7hYyXaoAEoukNP097IvermEvmiqn0
gpcqUHbDLDRKbnMyqDsSE3S83kEyuD86x+UXJNCJK6awcUTWoETg6tVrpJ6Jma
ccMPVsn4QucbRYy2e9tIvJ1YbcqZH2munFGa4UXeY5+UemX88tg0rHHIYoN1B0d
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QaI=
=7/gk
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.436. Devin Teske <[dteske@FreeBSD.org](mailto:dteske@FreeBSD.org)>

```
pub  2048R/0xAACC9F947D9E9AB9 2013-11-01 [expires: 2014-11-01]
      Key fingerprint = E052 3882 1097 ABB9 A537 ED2F AACC 9F94 7D9E 9AB92
uid   [ultimate] Devin Teske (FreeBSD Committer) <dteske@FreeBSD.org>
sub  2048R/0xB29F871CBC396837 2013-11-01 [expires: 2014-11-01]
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mQENBFJzv1oBCADKd7XY1jwBUW570ZZn/FI4u4MNEZEjmp0d+oaW0UL/U+XvU1V3
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9q2+hC+VL/E9xB8/cgtew5Qb4nA0mFnsMJTmUzUSFJrwg+hA4FpZmwRZIBfynVQE
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.437. 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-----

```

### 3.438. Mikhail Teterin <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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wwzJtjH+wi7VeXIQCU/m0cLC9A80aLqhJ86e3m9F0DSFMIluSoucrgI/xxR5AAUR
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31KtsSjMwuHF3kl7PjtCfVk40pRvog4u9V5G7gtUhUI0i/Qfuaia2YHvxxIh3sx7Z
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=f57V
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.439. Gordon Tetlow <gordon@FreeBSD.org>

```

pub dsa1024/46EDADF4357D65FB 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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### 3.440. Lars Thegler <lth@FreeBSD.org>

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pub 1024D/56B0CA08 2004-05-31 Lars Thegler <lth@FreeBSD.org>
   Key fingerprint = ABAE F98C EA78 1C8D 6FDD CB27 1CA9 5A63 56B0 CA08
uid  Lars Thegler <lars@thegler.dk>
sub 1024g/E8C58EF3 2004-05-31
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-----END PGP PUBLIC KEY BLOCK-----

### 3.441. 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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### 3.442. 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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**3.443. Fabien Thomas** <fabient@FreeBSD.org>

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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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**3.444. Thierry Thomas** <thierry@FreeBSD.org>

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pub 4096R/F1C516B3C8359753 2013-09-23 [expires: 2018-09-22]
    Key fingerprint = E536 BE85 3853 99D0 0B6F AA76 F1C5 16B3 C835 9753
uid [ultimate] Thierry Thomas <thierry@pompo.net>
uid [ultimate] Thierry Thomas <thierry@FreeBSD.org>
uid [ultimate] [jpeg image of size 1968]
sub 4096R/32B32808E6B52F4F 2013-09-23 [expires: 2018-09-22]
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**3.445. Andrew Thompson** <[thompsa@FreeBSD.org](mailto:thompsa@FreeBSD.org)>

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pub 1024D/BC6B839B 2005-05-05
Key fingerprint = DE74 3F49 B97C A170 C8F1 8423 CAB6 9D57 BC6B 839B
uid Andrew Thompson <thompsa@freebsd.org>
uid Andrew Thompson <andy@fud.org.nz>
sub 2048g/92E370FB 2005-05-05
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**3.447. Jilles Tjoelker <jilles@FreeBSD.org>**

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pub 4096R/D5AE6220 2011-07-02
Key fingerprint = 4AF5 F1CC BDD7 700B F005 79A4 A2C4 C4D4 D5AE 6220
uid Jilles Tjoelker <jilles@stack.nl>
uid Jilles Tjoelker <tjoelker@zonnet.nl>
uid Jilles Tjoelker (FreeBSD) <jilles@FreeBSD.org>
sub 4096R/14CB5775 2011-07-02

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### 3.448. Ganbold Tsagaankhuu <ganbold@FreeBSD.org>

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d/QW5FNIrL70hYtUvK54MqQS4av701NQe+L1wN9ncDxo4PSBHBum0lXhTH4xWopd
nhxmAfSneuzFTbUFuQShjGbz1wiqddN0Yo/1VMntxAcZ8pPrwxWb51fGL/pydKK/
lw0vRRWFzV0eTcjSwmYprX5AEgaLr7ra3qV9UHNydkwebq6BoDZPVSBsgr061WP5
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PzaHPRmkcOKmm/VxDhEV
=ibfV
-----END PGP PUBLIC KEY BLOCK-----
```



**3.449. Michael Tuexen** <tuexen@FreeBSD.org>

```
pub 1024D/04EEDABE 2009-06-08
    Key fingerprint = 493A CCB8 60E6 5510 A01D 360E 8497 B854 04EE DABE
uid                               Michael Tuexen <tuexen@FreeBSD.org>
sub 2048g/F653AA03 2009-06-08
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQGiBEos/K0RBACA1Ck3ZLIpeSiYRNYG8RXCxbvHF0sI56DCwbRm6VXwbH32wv
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OzDtUiechd17/gyo4j+u1PDtw/5XXpSaTIRJ03g/UobVpUPjL4dMz4Ks/wCg25PC
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KTepLrRMX0tXMij7nFh/WzJFSfFK+0W6+yaRVzXa42ds+VARd7QjTWLjaGfLbCBU
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AOE2UIkbgv==
=adk0
-----END PGP PUBLIC KEY BLOCK-----
```

**3.450. Andrew Turner** <andrew@FreeBSD.org>

```
pub 2048R/31B31614 2010-07-01
    Key fingerprint = 08AC 2C57 F14F FDD1 2232 B5CD AA16 EFB8 31B3 1614
uid                               Andrew Turner <andrew@freebsd.org>
uid                               Andrew Turner <andrew@fubar.geek.nz>
sub 2048R/9ACBF138 2010-07-01
```

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

```

TwNZaesYaHdZVhFRyOgd/+Gxvbltvvb0pKILvdqzM90jL2i6ap1Tj0sFggBAkiCP
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.451. Oleksandr Tymoshenko <[gonzo@FreeBSD.org](mailto:gonzo@FreeBSD.org)>

```

pub 2048R/E84FC1018C87C180 2014-01-08 [expires: 2017-01-07]
    Key fingerprint = 4FE9 153B 126D A491 294D 012F E84F C101 8C87 C180
uid                               Oleksandr Tymoshenko (FreeBSD) <gonzo@freebsd.org>
sub 2048R/D6BE683DAEC52F52 2014-01-08 [expires: 2017-01-07]

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=0pYp
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.452. Hajimu UMEMOTO <[ume@FreeBSD.org](mailto: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

```

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

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+wCdF/xyvVjjNdAYXCMxCHtUF85bd++0IUhhamltdSBVTUVNT1RPIDx1bWVAwFo
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.453. Jason Unovitch <junovitch@FreeBSD.org>

```

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

### 3.454. 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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mQELBEfKBF4BCADC9kZGLvNJcktMfbT1e6sp40J8qNWM9B92GpCo84BzTyKxvIiV
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pyyn6ELPEJmP+3UwYzNM6DCfPm4ZorcvcLDE7E5XfYgZxMveuNIu2qm0YeKaJKiK
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lbionqqljQ3/+q6oLzCXDsgwUf9mXYGs/tz2DDx2FYfZAYh4Fso7q2yG0fu3XAO1
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.455. Imre Vadasz <[ivadasz@FreeBSD.org](mailto:ivadasz@FreeBSD.org)>

```

pub   rsa2048/23A9AA6012EDAE08 2016-07-24 [SC] [expires: 2019-07-24]
      Key fingerprint = 6F1C ABFD E524 BAE1 ADEE 557A 23A9 AA60 12ED AE08
uid   Imre Vadász <ivadasz@freebsd.org>
uid   Imre Vadász <imre@vdsz.com>
uid   Imre Vadász <imrevdsz@gmail.com>
sub   rsa2048/5CC067DDEC512108 2016-07-24 [E] [expires: 2019-07-24]

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

```

### 3.456. Emmanuel Vadot <[manu@FreeBSD.org](mailto:manu@FreeBSD.org)>

```
pub   rsa2048/49AFB38B7C929105 2016-04-24 [SC] [expires: 2019-04-24]
```

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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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vicA4cY02Q9EsTW5hDbXlQAX26BC13TAqj6WbUb0cPhzFKHv17U2sp0YkeorjmX6
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-----END PGP PUBLIC KEY BLOCK-----
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**3.457. 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>
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-----
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### 3.458. Bryan Venteicher <bryanv@FreeBSD.org>

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

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### 3.459. 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>
uid          Jacques A. Vidrine <n@nectar.com>
uid          Jacques A. Vidrine <jacques@vidrine.cc>
uid          Jacques A. Vidrine <nectar@FreeBSD.org>
uid          Jacques A. Vidrine <n@nectar.cc>

pub 1024D/1606DB95 2001-07-05 Jacques A. Vidrine <nectar@celabo.org>
    Key fingerprint = 46BC EA5B F70A CC81 5332 0832 8C32 8CFF 1606 DB95
uid          Jacques A. Vidrine <jvidrine@verio.net>
uid          Jacques A. Vidrine <n@nectar.com>
uid          Jacques A. Vidrine <jacques@vidrine.cc>
uid          Jacques A. Vidrine <nectar@FreeBSD.org>
uid          Jacques A. Vidrine <n@nectar.cc>
sub 2048g/57EDEA6F 2001-07-05

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Version: GnuPG v1.2.1 (FreeBSD)

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### 3.460. 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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### 3.461. Nicola Vitale <nivit@FreeBSD.org>

```

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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### 3.462. 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>

```



OpenPGP Keys

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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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Version: GnuPG v2.0.22 (FreeBSD)
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### 3.463. 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 Voskoboinyk <avos@freebsd.org>
sub      rsa2048/515B99612E8604AF 2015-10-19 [expires: 2018-10-18]

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### 3.464. 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@gegenueendlich.de>
sub      3072R/6D35457A 2003-03-06

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### 3.465. Kai Wang <kaiw@FreeBSD.org>

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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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```

### 3.466. Adam Weinberger <adamw@FreeBSD.org>

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pub 2048R/1CCD0A5830E59D2B 2014-02-03 [expires: 2017-02-02]
Key fingerprint = F95F 60DB 115C EA59 2FED E1FB 1CCD 0A58 30E5 9D2B
uid Adam Weinberger <adamw@FreeBSD.org>
uid Adam Weinberger <adamw@adamw.org>
sub 2048R/92C1C8A42BDE2CCE 2014-02-03 [expires: 2017-02-02]
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**3.467. Christian Weisgerber** <naddy@FreeBSD.org>

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      Key fingerprint = A264 04D3 05A4 189F D662 AF67 7349 0227 F70E EEA0
uid   Christian Weisgerber <naddy@mips.inka.de>
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uid   Christian Weisgerber <naddy@openbsd.org>
sub   rsa2048/1005F0A965D82467 2015-05-03
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**3.468. Peter Wemm** <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
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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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sub 2048R/B5D591B339B03C75 2014-05-08 [expires: 2024-05-05]
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erlydIYCeLuo2gnWdVnk43jkuC/2PfcjgCauRPc1SFEQMaajwbFwxmGxqK9fWAlq
kx40woJiIhKX+7JNHlTErr3Tm7/TanGYV0xEOyogAdE2KkybvtCTsU+GkazFq5I1
RjvuZ0oQ2vr3pL5D2i+XUJdaVKyU0AkX+lfcUiSIqDs/qtQBQpVC2seY14Gcd6m5
q0pnseX66iHZwS3v/P+vyibqp07rjdJMYDYY1KLg5CxorqKxumJZDw==
=TYGW
```

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

**3.469. Nathan Whitehorn** <nwhitehorn@FreeBSD.org>

```
pub 1024D/FC118258 2008-07-03
    Key fingerprint = A399 BEA0 8D2B 63B3 47B5 056D 8513 5B96 FC11 8258
uid      Nathan Whitehorn <nwhitehorn@freebsd.org>
uid      Nathan Whitehorn <nwhitehorn@icecube.wisc.edu>
uid      Nathan Whitehorn <nwhitehorn@physics.wisc.edu>
uid      Nathan Whitehorn <whitehorn@wisc.edu>
sub 2048g/EDB55363 2008-07-03
```

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

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mQGibEhs+ZMRBACu6CWtdLJ/GkG0406epy4SKwxV2s64od5j3ZG/+CkdXfHVnvDf
NAdvYtDwrPjFdQtwDmLctotdm9akMpmoI+nuTD0C/wyoojh3NlTp/YmzSLntBoaQ
W2uwp8oAW4dszTMptgb3Dpce17cHQcCuQ8Q19tnZLF0vm4XCP00y7pmGrwCg65cu
0wxbDYVp2fpPIG0D67q03j8D/01g68qu+JQqCZtCTDSJ7tG4w5z10H6Hu7Q9wRhb
XBDKX6fi09CiRDorgi54DoKqjQoHwnFXrKBcAughLEjle5BSZ+Z+eu/tfMwDEfhl
FMMPuvT9BVG/nukn4ufmk8BqPbw5PGaLYGbdJvvybyWhVIu/dexqGe9mT3DD7gk0
WZArA/95nvE5+LRH31Jugq1GJ7cqjJyd/IPQC96z7JXdme7oPQ8IYDsLjsT982M0
8WvwNbQPhRrj3Sgjp7EcuafT/J66P7KvpU1lQKJdFZgk1LTL0Nm8wzLj2tXSwZWg
tS0ZewMItr2yKwBlpGDsS5K7CCpbocsndrI5D0PEzuYr7y+56rQuTmF0aGFuIFdo
aXRLaG9ybiA8bndoaXRlaG9ybkBpY2VjdWJlLndpc2MuZWR1PohgBBMRAGAgBQJI
bPmTAhsDBgsJCAcDAGQVAggDBBYCAwECHgECF4AACgkQhRNblvwRglgkxwCgmC82
iM6zfYaJwcFsqETyxS+9Vv4AoJCemsKBmBQiN7o5K84/DuaCZTWutC50YXRoYW4g
V2hpdGVob3JlIDxud2hpdGVob3JlIDxud2hpdGVob3JlIDxud2hpdGVob3JlIDxud2
Akhs+tgCGwMGcwkIBwMCCBUCCAMEFgIDAQIEAQIXgAAKCRCFE1uW/BGCWCFSAJwL
f5HwF8PEUIEo/25Dwr72JCW6DwCeIm2wQjyXl+wy1QIP5eX5Emy+Pa0JU5hdGhh
biBXaGl0ZWhvcm4gPHdoaxRlaG9ybkB3aXNjLmVkdT6IYAQTEQIAIAUCSGz66wIb
AwYLCQgHAWIEFQIIAwQWAgMBAh4BAheAAAoJEIUTW5b8EYJY+GsAoINx6fjsHpdY
JT0UWgiIrr48EhtcAKDetW0zAVCF8HmXMHWR/zjyVqHSLQpTmF0aGFuIFdoaxRL
aG9ybiA8bndoaXRlaG9ybkBmcmVlYnNkLm9yZz6IYAQTEQIAIAUCSGz7AQIbAwYL
CQgHAWIEFQIIAwQWAgMBAh4BAheAAAoJEIUTW5b8EYJYgiQAoM04WRCQ0LI5L780
d4VfWQSiUiDtAJ43eEJzvlPmvR2geTEaB6LJGNrBMrkCDQRIBPmTEAgAypfp7Uhw
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mUFyYxpwzG8vMjWYl3DWLc8ozXtKRotGzZsXuwUvdnC9e9MRX8xsF7x1vMrV5j6+
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DKmoUjcxH1b7vPxxnhFbtg41COF0UziIyXkupHE0JeaF+Sz4EEi8nXMKBEoGFLYD
rh61r0Fsfrrf24E3dIwdLjyoTify8trdL5pgug27pHPMgXXx5cjLooq73VFvzlqCA
3zFyypgED7UsYMH9NjmyLlA77gK4gfuAlGXwEwyh99SVksrvvHqntHyg9p+HdCQJ
GyYwRMNUXTfdSn4cWvc+Qip1jpgdH/bbIwZeTIMaIYhJBBgRAGAJBQJIBPmTAhsM
AAoJEIUTW5b8EYJYA0wAoJ5oqyCt4TZRVfofTeTgcm8K+a8LAJ0YGUPg2rEaTf06
QaoupCN+daK2wQ==
=hP6F
```

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

**3.470. Martin Wilke** <miwi@FreeBSD.org>

```
pub 1024D/B1E6FCE9 2009-01-31
    Key fingerprint = C022 7D60 F598 8188 2635 0F6E 74B2 4884 B1E6 FCE9
uid      Martin Wilke <miwi@FreeBSD.org>
sub 4096g/096DA69D 2009-01-31
```

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

```
mQGibEmE02QRBAceWV7eL0shCAA+vdpkBCMxrQkBRace0s8+uhsaocAai3TCiyUg
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ibbvard6cFAAUDXGIN0/hPABtBidFcA4vIb3EQES0PbnXEVf0z1gymojlwCg4/8D
0ZICstqkxQMN+K6p/bpCV9cD/iMHVKnPCD9z9Bk9IJtkDGQ660QpopY+oxUy9ZZE
```

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y06Gnf8vDjPmPZ5RcDXu0XHLUpUF4yYkdnUKt9u71SVeDlBAQeFwRgDj0zbYKskA
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GZmXp4JBDEIYHVVL0XyD6pvFT2NLr0UHWAfZwsiWk+W0IrByWLQfTWFydgLuIFdp
bGtLIDxtaXdpQEZYzWVCU0qub3JnPhogBBMRAgAgBQJjHNNkAhsDBgsJCAcDAgQV
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niwxv2NeWJ7EKLoeDTrSBKrfCqWRHpbN3bSUAaXiwU9HeHMBGjvvVrg86gZrPKLG
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6H0EHIFsCiZCTfXG0zDaC6kc3k7g4XlZ3juz0L/mhdjnbH+G6VlqfHb6KP3YZnU5
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22LxmxYBv4XrdQNbwy2n7k8H+wfQrKhP+oEKM9WFLTxpKPF52xTB4svJMdlyBZXZ
FJZSArffj/QlZ2HgC37V2HcXU0lvU1K+tan/xY2NbJmuetMU7N/ePUWyi4mg3Nww
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Su/WuKXKxkJDLwzcKHnUV0egEXe0Q6+Khe056WSJ3VtF8+tAaksN7RRslrf1MmVt
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bNgrn3BzKKDpkqoskACfcKvwwi1c4AsPtLPxbySr6dUwhlg=
=S3Qn
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.471. 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
```

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

mQGiBDxVl7cRBADbXnR4t/xRvv0SiPuGpN0GeamrphPbpPXsWD8Nm/pjfn3fhSfa
0gv3Y2n/IyLTg93gWzhWloMznkdG590j0oPSUxjgPauVw4q6l3JJiCurJNlp/Q7L
DH0KLFJ8GuL6zxAz7Jcx1BpAIEu+G2SnI8+ZuGvq+YwaDxPFavfCqmVaBwCg/iPu
OI+84/W54yZXvxFUN7dkDmED/3CxYLGewqPqE8B8Eq8BlmgfP/FwaqXXb6xR7jsE
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kjNjCN2oIqkqB5/1H14NMS0cUPLqERP7goFIK70AJejUmm5Nc3KjG1S2G97xxjPe
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CwcKAwQDFQMCaxYCAQIXgAAKCRD/+YqpwxrPm5wAKCVuyt4B1Pc1tAwRME0mmZw
2nGIiIQcgyRvB49snyBl86TikYv97ZifYlMk5AQ0EPFwXURAEAIghyc0ZtElvBhf
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s0SEa2wXCnvCD50oL+bdPn+Psb+hyi+AVNmVgdLjwuxHUHny0LWQnxQLrt07SAw
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uNegCF/D2x4yzkF4d9gKYCCykDURwvFDztIhgkinyzu6+xwe9qfcl/esInnnonz7
Wx8/3e7pRvS2QIhGBBgRAGBQI8VZe5AAoJEP/5iqnCrGukuikAnAt8uA1Eiv/5
WDCIpn0plgmwes9AJ4vD1R35+Db6UIw+R5EJaxNBY84zg==
=xbGI
```

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

### 3.472. Steve Wills <[swills@FreeBSD.org](mailto: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>
```

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

```
mQENBEx/EzEBCAC1Zje8FA0qGnqKv606untNjilUqEWtUwHOLPKLm0d1Pepb7A21
33kagHn5I8n6k/H/0jE+a2omlmpo5yilKszJLFPYXmqfkb8ZThwYG9Ly+kb3d/i9
m8qxLVktJ/Y/Cnzo10zhUdxY4Icp0t4nVPZrHUkeA2DeuYK9zL4fq/wah6Z900/K
tKBZqn8aPmbkj6lFJAHNJ5gPNdyT74/nXyhyRMMLqRv0SfRRDRVcxYw1RpZj7g
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MRnY0fcescpw6r46mh1iLRGQa73X5V2vIwGDABEBAAG0IFN0ZXZlIFdpbGxzIDxz
d2lsbHhNARnJlZUJTRC5vcmc+iQFwBBMBAgBAAhsDBwJCAcDAGEGFQgCCQoLBBYC
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QGZyZWvic2Qub3JnPokBUgQTAIAPAwYlCQgHAWIGFQgCCQoLBBYCwEChgECF4
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PSJ3dnLZv0Yy4ndxHIMDDIqqutjFgtlGHSfzChz5yVLu1bYpd0Kc1xf0SrmsuCm5
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=EXg7
```

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

### 3.473. Thomas Wintergerst <[twinterg@FreeBSD.org](mailto:twinterg@FreeBSD.org)>

```
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>
```

OpenPGP Keys

```
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
```

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

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### 3.474. Konrad Witaszczyk <def@FreeBSD.org>

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### 3.475. Garrett Wollman <wollman@FreeBSD.org>

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pub 1024D/0B92FAEA 2000-01-20 Garrett Wollman <wollman@FreeBSD.org>
Key fingerprint = 4627 19AF 4649 31BF DE2E 3C66 3ECF 741B 0B92 FAEA
sub 1024g/90D5EBC2 2000-01-20
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.476. Ben Woods <woods02@FreeBSD.org>

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pub rsa2048/F4282FB8B0DED855 2016-05-09 [SC] [expires: 2019-05-09]
Key fingerprint = 189F A55D 1B84 A241 79CC D409 F428 2FB8 B0DE D855
uid Ben Woods <woods02@gmail.com>
uid Ben Woods <woods02@FreeBSD.org>
sub rsa2048/261CBDD3510A176A 2016-05-09 [E] [expires: 2019-05-09]
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### 3.477. Jörg Wunsch <[joerg@FreeBSD.org](mailto:joerg@FreeBSD.org)>

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pub 1024D/69A85873 2001-12-11 Joerg Wunsch <j@uriah.heep.sax.de>
Key fingerprint = 5E84 F980 C3CA FD4B B584 1070 F48C A81B 69A8 5873
pub 1024D/69A85873 2001-12-11 Joerg Wunsch <j@uriah.heep.sax.de>
uid Joerg Wunsch <joerg_wunsch@interface-systems.de>
uid Joerg Wunsch <joerg@FreeBSD.org>
uid Joerg Wunsch <j@ida.interface-business.de>
sub 1024g/21DC9924 2001-12-11

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### 3.478. David Xu <davidxu@FreeBSD.org>

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pub 1024D/48F2BDAB 2006-07-13 [expires: 2009-07-12]
Key fingerprint = 7182 434F 8809 A4AF 9AE8 F1B5 12F6 3390 48F2 BDAB
uid David Xu <davidxu@freebsd.org>
sub 4096g/ED7DB38A 2006-07-13 [expires: 2009-07-12]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.479. 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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**3.480. Pyun YongHyeon <yongari@FreeBSD.org>**

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pub  rsa2048/2F461043D15970A0 2016-08-09 [expires: 2019-08-09]
      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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**3.481. Mariusz Zaborski <oshogbo@FreeBSD.org>**

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pub  rsa4096/DFC2841AE2C6C564 2015-12-03 [expires: 2020-12-01]
      Key fingerprint = 903D 71D3 1909 5D55 58D4 6C1F DFC2 841A E2C6 C564
uid                               Mariusz Zaborski <oshogbo@FreeBSD.org>
uid                               Mariusz Zaborski <oshogbo@vexillum.org>
uid                               Mariusz Zaborski <m.zaborski@wheelsystems.com>
sub  rsa4096/35735C07BCDD5FC7 2015-12-03 [expires: 2020-12-01]
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      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>
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### 3.483. Bjoern A. Zeeb <bz@FreeBSD.org>

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### 3.484. Niclas Zeising <[zeising@FreeBSD.org](mailto:zeising@FreeBSD.org)>

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uid   [email]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.485. Alexey Zelkin <[phantom@FreeBSD.org](mailto:phantom@FreeBSD.org)>

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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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### 3.486. 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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### 3.487. 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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### 3.489. Torsten Zuehlsdorff <tz@FreeBSD.org>

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pub  rsa4096/585FAB7CBF9243D0 2016-06-08 [SC] [verfällt: 2019-06-08]
     Schl.-Fingerabdruck = 8400 53D2 0180 F22E 46F9 12AF 585F AB7C BF92 43D0
uid  Torsten Zuehlsdorff <tz@FreeBSD.org>
sub  rsa4096/BF74DAF15D5EAF18 2016-06-08 [E] [verfällt: 2019-06-08]

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

```

## 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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## 4.2. Deb Goodkin

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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

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### 4.3. Ben C. O. Grimm

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uid DutchDaemon - FreeBSD Forums Administrator <DutchDaemon@FreeBSD.org>
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#### 4.4. Ben Haga

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95RkQW8bAypMrioTgvkuwggk2AFNjHKUnTEe+6KZ0XaQe8C/fZPvL6NqZ/32PEp+  
UmqdqzHMUpobhWTry7+C7WD619iH8T/7harDHRHIWI458xEZfJiS+QlkrHQ7xyMz  
yFU2o/ZTU7g3jLUZ06bNfd8qh1lBY0fPF15/XXumB8LVGWuq2duoqG6Ab0L9L77  
yK0qGtqvViyVehiE8JM5bSrm62+2cT+RmvkAEQEAAYkCJQYQAQIADwUCUwhCxAIb  
DAUJB4TOAAAKCRaoQPDJH6DanSV4D/9qFVzi+S5pcU1rziJbMqes/0q0YNT+cKX5  
L3TYSV4jA+o9waLyZhfx/pzC/ELIHZbs67S/dv+e6wKCErgMGLpvlgbpu3EluA  
JfaFpnZ1/wK5rh5w0hzgI8EY6e1ZB9eGgD3MmQsn3CPpT7Pugai16YV3c8jsUB  
Z+hfdjuVRGdl6Xp74v7d2rckszPoMEqNzDYeWrLpmm4F0nBgOGJabVvJ2YG0IwoH  
qomqLNF2wRYkcCDhYDVVDC0Qq0Zqy8CcobEk8v0ATfG+Jfcdk80h7ZqaQkwLXM9v  
K0WvQbNV1NsGMwBV3He6+Uh1x23zUmlMDYTY+RpM9u2JN6q/KVy6sL6vu4h3SEK  
VrFgvspaltdLmZUIlEyZmmHIL4DdsHdfD5phLaxt707J51QsRSrmdYw9PMmEEhmR  
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4mIWeyGRSLptDD6RuqWHPbl8rSuDsPAvX810nsz+iCafv5PtJytwWG0gA++UllPV  
knHsjmt0g2C8V6gWb4KzzMiYBANu4EudKooE8oqlgnK2u4h+nF/MYtqb8QRfOCLK  
UDSJtaYaznBe+JvSIZ3dv0olt1c++IohTitAWY6LI98VTkajm+vM8WxxDp4weQKz  
sMVkwYldVA==  
=xSYw  
-----END PGP PUBLIC KEY BLOCK-----
```

#### 4.5. 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
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----  
mQINBFFjLrkBEADjqi/iqY2qZLzd1cfrvWS+eVmNhiZzqs8fdF0mxC+wLTWU14x6  
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```

```

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+6PcY6RlxbokS0y94aHszT8HnhI39qRPrJ7wZ+f2fA2aRsJ4x0A5gRQu1jpQRj9S
oP10eMVxsp4LN3JtEm65seUsDNMDBoaMSV+o6H/1S6HcHuxul9XDWYPTqWUsLsLQ
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0rLI+tQIsI4HH0nSYLiPa+Pu200agqNo2etI6qe7g4SXUyXtRERMz67Zj1EK6mYVv
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XJM93a9p/J/pwU3x6anyyqXL/C0pbAlBkuNcv7Y9fEZtGwRqdnAwQJKuoMLMFpTr
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KA==
=t+E9
-----END PGP PUBLIC KEY BLOCK-----

```

#### 4.6. Self-Serve SSH key changer

```

pub  rsa4096/2434FEB5AB485900 2016-10-04 [SC]
     Key fingerprint = 8F74 C26C 632A 8E18 0C46 F209 2434 FEB5 AB48 5900
uid  Self-Serve SSH key changer <keymaster@freebsd.org>
sub  rsa4096/DCC42FF5B44E5D35 2016-10-04 [E]

```

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

```

mQINBFf0Eo0BEACYtLKTpIU6/HB7acodTyD8j3YB1rJbMHJ0qDfr2vwtVJAaT3oL
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X+4y3IdHca/aUnVHV+40N+OPxCK/BxFDVLIw5L0zVwPDjr2WEDNAW4DjFJcmjB2f
70Nx3UUBpBQecm3LQ3IXtMQeHZM72rrLMLaFc/+gfl9f/gh0Q5bRw0ikBHSE0BIT
pmnn+ofzDJHUDpvukp+wLxZhNdRRHJuSa7ed1jsU4EtcEtt0+NBB66L24bsLVA3IE
fLQKApFcdhvfS945t0yKy9Vqxn01+QUARqWoZRwZPvoARjoxv65Iu5myfEsaqV0
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```

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VDoyn+oXVn15My57T7B7EjyZqnbeRB6PLY4/rgFf5FVxbEfpXdVkdXvudlQARAQAB
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VXqNOM1KzXJ+dVcWURCQYywn0w4hyLm3l3cRp+Fs0w7t/VNfQ1Nm2sczK+Gd3QSg
F+g/VnpvxwNfWoadPc/yPvcL8R7taehU1kMDzYhH9R71GpcSkVCbjTumlKnqIMXM
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=2811
-----END PGP PUBLIC KEY BLOCK-----
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#### 4.7. Peter Losher

```
pub 1024D/B9F7C8866917C3B9 2002-03-16 [expires: 2014-12-24]
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]
```

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

```
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### 4.8. Michael W. Lucas

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      Key fingerprint = 0D83 B55B 5314 BBBB C209 70A0 8663 ED94 1F2E 54A8
uid   Michael Warren Lucas (Author) <mwluca@blackhelicopters.org>
uid   Michael Warren Lucas (Author) <mwluca@michaelwlucas.com>
sub   rsa4096/96FC4FE74DA4E659 2014-10-15 [expires: 2020-10-13]
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### 4.9. David Wolfskill

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pub  rsa2048/1539CC40A049EE17 2015-11-29 [expires: 2018-11-28]
      Key fingerprint = CCB7 CEF9 17A8 01F4 3064 D77B 1539 CC40 A049 EE17
uid  David H. Wolfskill <david@catwhisker.org>
sub  rsa2048/C8A5439CFA5A0A07 2015-11-29 [expires: 2018-11-28]
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