R&S® Forum 3.3.0

Open Source Acknowledgement



1177.6117.02 - 01

Contact information

Rohde & Schwarz GmbH & Co. KG Muehldorfstr. 15, 81671 Munich, Germany

Phone: +49 89 41 29 - 0
Fax: +49 89 41 29 12 164
E-mail: info@rohde-schwarz.com
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| chardet 3.2.0 | GNU LGPL v2.1 |
| colorama 0.3.3 | PYTHON-COLORAMA |
| coverage 3.7.1 | BSD |
| docutils 0.12 | PYTHON-DOCUTILS |
| ecdsa 0.13 | PYTHON -ECDSA |
| enum34 1.0.4 | PYTHON-ENUM34 |
| funcsigs 0.4 | APACHE 2.0 |
| httplib2 0.9 | MIT |
| ipython 3.2.1 | PYTHON-IPYTHON |
| jinja2 2.8 | PYTHON-JINJA2 |
| lxml 3.4.1 | BSD / PYTHON-LXML |
| markupsafe 0.23 | PYTHON-MARKUPSAFE |
| matplotlib 1.4.3 | PYTHON-MATPLOTLIB |
| mock 1.3.0 | PYTHON-MOCK |
| nose 1.3.7 | GNU LGPL v2.1 |
| nose-htmloutput 0.5.0 | PYTHON-NOSEHTMLOUTPUT |
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| openpyxl 2.5.0a1 | MIT |
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| pip 7.0.1 | PYTHON-PIP |
| poster 0.8.1 | MIT |
| psutil 4.1.0 | BSD |
| py-cpuinfo | MIT |
| pycrypto 2.6.1 | PYTHON-PYCRYPTO |
| pydocstyle 1.1.1 | PYTHON-PYDOCSTYLE |
| py-dom-xpath 0.1 | MIT |
| pygments 2.0.2 | PYTHON-PYGMENTS |
| pyreadline 2.0 | PYTHON-PYREADLINE |
| pyro4 4.45 | PYTHON-PYRO (MIT) |
| pytz 2015.4 | PYTHON-PYTZ |
| pyvisa 1.8 | MIT |
| pywin32 219 | PYTHON-PYWIN32 |
| pyxml 0.8.4 | PYTHON-PYXML |
| scipy 0.15.1 | PYTHON-SCPIY |
| selectors 1.1 | PSF v2 |
| serpent 1.14 | MIT |
| setuptools 18.0.1 | PSF v2 (or ZPL) |
| snowballstemmer 1.2.0 | PYTHON-SNOWBALLSTEMMER |
| sphinx 1.3.1 | PYTHON-SPHINX |
| sphinx-rtd-theme 0.1.8 | PYTHON-SPHINXRTDTHEME |
| spyne 2.11.0 | GNU LGPL v2 |
| suds 0.4 | GNU LGPL v3 |
| wheel 0.24.0 | MIT |
| wxpython 3.0.2.0 | WXPYTHON |
| xlrd 1.0.0 | PYTHON-XLRD |
| xlutils 2.0.0 | PYTHON-XLUTILS |
| xlwt 1.2.0 | PYTHON-XLWT |

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| zsi 2.0-rc3 | PYTHON-ZSI |
|-------------|------------|
|-------------|------------|

3 Verbatim license texts

3.1 Python Software Foundation License Version 2 (PSF v2)

3.1.1 A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://opensource.org/ for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release | Derived from | Year | Owner | GPL- compatible? (1) |
|----------------|--------------|-----------|------------|-------------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2 | 2.1.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |

| 2.2 and above | 2.1.1 | 2001 - now | PSF | yes | |
|---------------|-------|------------|-----|-----|--|
|---------------|-------|------------|-----|-----|--|

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3.1.2.5 Mersenne Twister

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

3.1.2.6 **Sockets**

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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3.1.2.8 MD5 message digest algorithm

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 - L. Peter Deutsch

ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke cpurschke@bnl.gov>.

1999-05-03 lpd Original version.

3.1.2.9 Asynchronous socket services

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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3.1.2.11 Execution tracing

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

3.1.2.13 XML Remote Procedure Calls

The :mod:`xmlrpclib` module contains the following notice::

The XML-RPC client interface is

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3.1.2.15 Select kqueue

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3.1.2.16 strtod and dtoa

The file: 'Python/dtoa.c', which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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*

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3.17.1.2

3.17.1.3 About the IPython Development Team

Fernando Perez began IPython in 2001 based on code from Janko Hauser <jhauser-AT-zscout.de> and Nathaniel Gray <n8gray-AT-caltech.edu>. Fernando is still the project lead.

The IPython Development Team is the set of all contributors to the IPython project. This includes all of the IPython subprojects. Here is a list of the currently active contributors:

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- * Ondrej Certik
- * Laurent Dufrechou
- * Robert Kern
- * Thomas Kluyver
- * Brian E. Granger
- * Paul Ivanov
- * Evan Patterson
- * Fernando Perez (project leader)
- * Benjamin Ragan-Kelley
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Last updated: 2009-02-28

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| Release | ase Derived | | Yea | Year | | er | r GPL | |
|----------------|-------------|-----------|-------|------|-------|--------------|-------|--|
| from | | | comp | | | patible? (1) | | |
| | | | | | | | | |
| 0.9.0 thru 1.2 | | 1991-1995 | | 995 | CWI | | yes | |
| 1.3 thru 1 | .5.2 1.2 | | 1995- | 1999 | CNI | RI | yes | |
| 1.6 | 1.5.2 | 20 | 00 | CN | RI | no | | |
| 2.0 | 1.6 | 200 | 00 | BeC | pen.c | com | no | |
| 1.6.1 | 1.6 | 20 | 01 | CN | RI | no | | |
| 2.1 | 2.0+1.6. | 1 2 | 2001 | Ρ | SF | no |) | |
| 2.0.1 | 2.0+1.6 | 5.1 | 2001 | F | PSF | y | es | |
| 2.1.1 | 2.1+2.0 | .1 | 2001 | F | PSF | y | es | |
| 2.2 | 2.1.1 | 20 | 01 | PS | F | yes | | |
| 2.1.2 | 2.1.1 | 20 | 002 | PS | SF. | yes | ; | |
| 2.1.3 | 2.1.2 | 20 | 002 | PS | SF. | yes | ; | |
| 2.2.1 | 2.2 | 20 | 02 | PS | F | yes | | |
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#### 3.31.1.6 setupext/install\_data.py

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## 3.37 WXPYTHON

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## Acknowledgments

We are grateful to the members of the soapbuilders mailing list (see http://groups.yahoo.com/soapbuilders), Fredrik Lundh for his \code{soaplib} package (see http://www.secretlabs.com/downloads/index.htm\#soap), Cayce Ullman and Brian Matthews for their SOAP.py package (see http://sourceforge.net/projects/pywebsvcs).

We are particularly grateful to Brian Lloyd and the Zope Corporation (http://www.zope.com) for letting us incorporate his ZOPE WebServices package and documentation into ZSI.

ZSI, the Zolera SOAP Infrastructure, is a Python package that provides an implementation of SOAP messaging, as described in [http://www.w3.org/TR/soap]{The SOAP 1.1 Specification}. In particular, ZSI parses and generates SOAP messages, and converts between native Python datatypes and SOAP syntax. It can also be used to build applications using [http://www.w3.org/TR/SOAP-attachments]{SOAP Messages with Attachments}. ZSI is ``transport neutral'', and provides only a simple I/O and dispatch framework; a more complete solution is the responsibility of the application using ZSI. As usage patterns emerge, and common application frameworks are more understood, this may change.

ZSI requires Python 2.3 or later and PyXML version 0.8.3 or later.

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| pep8 1.6.2      | Copyright (C) 2006-2009 Johann C. Rocholl johann@rocholl.net Copyright (C) 2009-2014 Florent Xicluna <florent.xicluna@gmail.com></florent.xicluna@gmail.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| pip 7.0.1       | Copyright (c) 2008-2014 The pip developers Adam Wentz <awentz@theonion.com> Aleks Bunin <github@compuix.com> Alex Gaynor <alex.gaynor@gmail.com> Alex Grönholm <alex.gronholm@nextday.fi> Alex Morega <alex@grep.ro> Alexandre Conrad <alexandre.conrad@gmail.com> Alli <alzeih@users.noreply.github.com> Anatoly Techtonik <techtonik@gmail.com> Andrei Geacar <andrei.geacar@gmail.com> Andrey Bulgakov <mail@andreiko.ru> Anrs Hu <anrs@douban.com> Anton Patrushev <apatrushev@gmail.com> Antonio Alvarado Hernandez <tnotstar@gmail.com> Antit Kaihola <akaihol+github@ambitone.com> Armin Ronacher <armin.ronacher@active-4.com> Ashley Manton <ajd.manton@googlemail.com> Ben Darnell <ben@bendarnell.com> Ben Darnell <ben@bendarnell.com> Ben Rosser <rosser.bjr@gmail.com> Bence Nagy <bence@underyx.me> Berker Peksag <bence@underyx.me> Berker Peksag <bence@underyx.me> Bernardo B. Marques <bencher.peksag@gmail.com> Bogdan Opanchuk <bencher.gemail.com> Brad Erickson <eosrei@gmail.com> Brad Erickson <eosrei@gmail.com> Brian Rosner <br/>brosner@gmail.com&gt; Brian Rosner <br/>brosner@gmail.com&gt; Brian Rosner <br/>brosner@gmail.com&gt; Busc Golemon <br/>buck@yelp.com&gt; Bussonnier Matthias <br/>cbussonniermatthias@gmail.com&gt; Carl Meyer <carl@oddbird.net> Chris Brinker <chris.brinker@gmail.com></chris.brinker@gmail.com></carl@oddbird.net></eosrei@gmail.com></eosrei@gmail.com></bencher.gemail.com></bencher.peksag@gmail.com></bence@underyx.me></bence@underyx.me></bence@underyx.me></rosser.bjr@gmail.com></ben@bendarnell.com></ben@bendarnell.com></ajd.manton@googlemail.com></armin.ronacher@active-4.com></akaihol+github@ambitone.com></tnotstar@gmail.com></apatrushev@gmail.com></anrs@douban.com></mail@andreiko.ru></andrei.geacar@gmail.com></techtonik@gmail.com></alzeih@users.noreply.github.com></alexandre.conrad@gmail.com></alex@grep.ro></alex.gronholm@nextday.fi></alex.gaynor@gmail.com></github@compuix.com></awentz@theonion.com> |

Chris Jerdonek <chris.jerdonek@gmail.com>

Chris McDonough <chrism@plope.com>

Chris Wolfe <chriswwolfe@gmail.com>

Christian Oudard <christian.oudard@gmail.com>

Clark Boylan <clark.boylan@gmail.com>

Clay McClure <clay@daemons.net>

Cody Soyland <codysoyland@gmail.com>

Cory Benfield < lukasaoz@gmail.com>

Craig Kerstiens < craig.kerstiens@gmail.com>

Cristian Sorinel <cristian.sorinel@gmail.com>

Dan Savilonis <djs@n-cube.org>

Dan Sully <daniel-github@electricrain.com>

Daniel Collins <accounts@dac.io>

Daniel Hahler < git@thequod.de>

Daniel Holth <dholth@fastmail.fm>

Daniel Jost <torpedojost@gmail.com>

Daniele Procida <daniele@vurt.org>

Dav Clark <davclark@gmail.com>

Dave Abrahams <dave@boostpro.com>

David Aguilar <davvid@gmail.com>

David Black <db@d1b.org>

David Evans <d@drhevans.com>

David Pursehouse <david.pursehouse@gmail.com>

David Wales <daviewales@gmail.com>

Davidovich <david.genest@gmail.com>

derwolfe <chriswwolfe@gmail.com>

Dmitry Gladkov <dmitry.gladkov@gmail.com>

Donald Stufft <donald@stufft.io>

Dongweiming <dongweiming@admaster.com.cn>

Dwayne Bailey <dwayne@translate.org.za>

Endoh Takanao <djmchl@gmail.com>

enoch <lanxenet@gmail.com>

Eric Gillingham «Gillingham@bikezen.net»

Eric Hanchrow <eric.hanchrow@gmail.com>

Erik M. Bray <embray@stsci.edu>

Eugene Vereshchagin <evvers@gmail.com>

Florian Briand <ownerfrance+github@hotmail.com>

Francesco <f.guerrieri@gmail.com>

Gabriel de Perthuis <g2p.code@gmail.com>

Garry Polley <garrympolley@gmail.com>

Geoffrey Lehée <geoffrey@lehee.name>

George Song <george@55minutes.com>

Georgi Valkov <georgi.t.valkov@gmail.com>

gizmoguy1 < gizmoguy1@gmail.com>

Guilherme Espada <porcariadagata@gmail.com>

Guy Rozendorn <guy@rzn.co.il>

Herbert Pfennig <herbert@albinen.com> Hsiaoming Yang <lepture@me.com> Hugo Lopes Tavares <hltbra@gmail.com> Hynek Schlawack <hs@ox.cx> Ian Bicking <ianb@colorstudy.com> Ian Cordasco <graffatcolmingov@gmail.com> Igor Sobreira <igor@igorsobreira.com> Ilya Baryshev <baryshev@gmail.com> INADA Naoki <songofacandy@gmail.com> Ionel Cristian Mărieș <contact@ionelmc.ro> Ionel Maries Cristian <ionel.mc@gmail.com> Jakub Stasiak < kuba.stasiak@gmail.com> Jakub Vysoky <jakub@borka.cz> James Cleveland <jamescleveland@gmail.com> James Polley <jp@jamezpolley.com> Jan Pokorný <jpokorny@redhat.com> Jannis Leidel <jannis@leidel.info> jarondl <me@jarondl.net> Jay Graves <jay@skabber.com> Jeff Dairiki <dairiki@dairiki.org> Jim Garrison < jim@garrison.cc> John-Scott Atlakson < john.scott.atlakson@gmail.com> Jon Parise <jon@indelible.org> Jon Wayne Parrott <jjramone13@gmail.com> Jonas Nockert <jonasnockert@gmail.com> Jorge Niedbalski <niedbalski@gmail.com> Joseph Long <jdl@fastmail.fm> Josh Bronson <jabronson@gmail.com> Josh Hansen <josh@skwash.net> Josh Schneier < josh.schneier@gmail.com> Jyrki Pulliainen <jyrki@spotify.com> Kamal Bin Mustafa <kamal@smach.net> Kelsey Hightower <kelsey.hightower@gmail.com> Kenneth Belitzky <kenny@belitzky.com> Kenneth Reitz <me@kennethreitz.com> Kevin Burke <kev@inburke.com> Kevin Frommelt <kevin.frommelt@webfilings.com> Kumar McMillan <kumar.mcmillan@gmail.com> Kyle Persohn <a href="mailto:kyle.persohn@gmail.com">kyle.persohn@gmail.com</a>

Laurent Bristiel < laurent@bristiel.com>
Leon Sasson < leonsassonha@gmail.com>

Lincoln de Sousa coln@comum.org> Ludovic Gasc <gmludo@gmail.com> Luke Macken <lmacken@redhat.com>

Marc Abramowitz <marc@marc-abramowitz.com>

Lev Givon <lev@columbia.edu>

Marc Tamlyn <marc.tamlyn@gmail.com>

Marcus Smith <qwcode@gmail.com>

Mark Kohler <mark.kohler@proteinsimple.com>

Markus Hametner <fin+github@xbhd.org>

Masklinn <br/>
hitbucket.org@masklinn.net>

Matej Stuchlik <mstuchli@redhat.com>

Matt Good <matt@matt-good.net>

Matt Maker <trip@monstro.us>

Matt Robenolt <matt@ydekproductions.com>

Matthew Einhorn <moiein2000@gmail.com>

Matthew Gilliard <matthew.gilliard@gmail.com>

Matthew Iversen <teh.ivo@gmail.com>

Matthew Trumbell <matthew@thirdstonepartners.com>

Maxime Rouyrre <rouyrre+git@gmail.com>

Michael E. Karpeles <michael.karpeles@gmail.com>

Michael Williamson <mike@zwobble.org>

Miguel Araujo Perez <miguel.araujo.perez@gmail.com>

Mihir Singh <git.service@mihirsingh.com>

MinRK <benjaminrk@gmail.com>

Monty Taylor <mordred@inaugust.com>

Nick Stenning <nick@whiteink.com>

Nowell Strite <nowell@strite.org>

Oliver Tonnhofer <olt@bogosoft.com>

Olivier Girardot <ssaboum@gmail.com>

Ollie Rutherfurd <orutherfurd@gmail.com>

Oren Held <orenhe@il.ibm.com>

Oscar Benjamin <oscar.j.benjamin@gmail.com>

Patrick Dubroy <pdubroy@gmail.com>

Patrick Jenkins <patrick@socialgrowthtechnologies.com>

Patrick Lawson <pl@foursquare.com>

patricktokeeffe <patricktokeeffe@users.noreply.github.com>

Paul Moore <p.f.moore@gmail.com>

Paul Nasrat <pnasrat@gmail.com>

Paul Oswald <pauloswald@gmail.com>

Paul van der Linden <mail@paultjuh.org>

Pawel Jasinski <pawel.jasinski@gmail.com>

Peter Waller <peter.waller@gmail.com>

Phaneendra Chiruvella <hi@pcx.io>

Phil Freo <phil@philfreo.com>

Phil Whelan <phil123@gmail.com>

Philippe Ombredanne <pombredanne@gmail.com>

Pierre-Yves Rofes <github@rofes.fr>

Piet Delport <pjdelport@gmail.com>

Preston Holmes preston@ptone.com>

Przemek Wrzos <hetmankp@none>

Qiangning Hong <hongqn@gmail.com>

| Rafael Carrioto -rafael, jacinto@gmail.com> Raff Schmitt -raff@systemexit.de> Razzi Abuissa -razzi53@gmail.com> Remi Rampin < remirampin@gmail.com> Remi Rampin < remirampin@gmail.com> Rene Dudfield < renesa@gmail.com> Robber/Phex < robber/phex@gmail.com> Robber/Phex < robber/phex@gmail.com> Robber/Phex < robber/phex@gmail.com> Robert Collins < robber/phex@gmail.com> Robert Collins < robber/phex@gmail.com> Robert Collins < robber/phex@gmail.com> Robert Collins < robber/phex@gmail.com> Roman Bogorodskiy < roman.bogorodskiy@ericsson.com> Romuald Brunet < romuald@chivil.com> Romy Pfannschmidt < Ronny.Pfannschmidt@gmx.de> Rony McCann < rops@technomancy.org> Ross Brattain < ross.b. Drattain@intel.com> schlamar < rmarc.schlaich@gmail.com> sergey Vasilyev < robala@nolar.info> serth Woodworth < seth@sethish.com> Simeon Viser < swisser@users.noreply.github.com> Simon Cross < hodgestar@gmail.com> Simon Cross < robgestar@gmail.com> Stavos Korokithakis < satavros@korokithakis.net> stefan Scherfke < stefan@sofa-rockers.org> steven Myint < robgestar@gmail.com> Steven Myint < robgestar@gmail.com> Thomas Scuttler < ropettler@tbz-pariv.de> Thomas Fenzl < < robgestar@gmail.com> Thomas Guettler < ropettler@tbz-pariv.de> Thomas Johansson < devnult@localhost> Thomas Guettler < ropettler@tbz-pariv.de> Thomas Slutyver < rabenul@gmail.com> Toshio Kuratomi < robgestar@gmail.com> Toshio Kuratomi < robgestar@gmail.com> Tomer Chachamu < tomer < chachamu@gmail.com> Tomer Chachamu < tomer < chachamu@gmail.com> Tomer Chachamu < tomer < chachamu@gmail.com> Valentin Haenel < valentin haenel@gmail.com> Viraly Salip < viraly < salip@ahoo.co.uk> Viraly Salip < viraly < salip@a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| Razzi Abuissa <razzi53@gmail.com> Remi Rampin cremitampin@gmail.com&gt; Rene Dudfield <a hresea@gmail.com=""> Richard Jones <a href="Link">Link</a> Robert Collins <a href="Link">Link</a> Robert Com&gt; Roman Bogorodskiy <a href="Link">Link</a> Romy Plannschmidt <a href="Romon Plannschmidt@gmail.com&gt;" lom="">"Schamar <a href="Link">Lom&gt;</a> Schamar <a href="Link">Lom&gt;</a> Schamar <a href="Link">Lom&gt;</a> Schamar <a href="Link">Lom&gt;</a> Simon Cross <a href="Link">Lom&gt;</a> Simon Cross <a href="Link">Lom&gt;</a> Simon Cross <a href="Link">Lose <a href="Link">Lom&gt;</a> Simon Cross <a href="Link">Lose <a href="Link">Lose <a href="Link">Link</a> Simon Cross <a href="Link">Link</a> Satvos Korokithakis <a href="Link"></a></a></a></a></a></a></razzi53@gmail.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Rafael Caricio <rafael.jacinto@gmail.com></rafael.jacinto@gmail.com>                |
| Remi Rampin <a href="remirampin@gmail.com">remirampin@gmail.com</a> Rene Dudfield <a href="remirampin@gmail.com">remirampin@gmail.com</a> Richard Jones <a href="remirampin@gmail.com">remirampin@gmail.com</a> Robert Collins <a href="remirampin@gmail.com">remirampin@gmail.com</a> Robert Collins <a href="remirampin@gmail.com">remirampin@gmail.com</a> Roman Bogorodskiy <a href="remirampin@gmail.com">remirampin@gmail.com</a> Sen Woodworth <a href="remirampin@gmail.com">resergey Vasilyev <a href="remirampin@gmail.com">remirampin@gmail.com</a> Sergey Vasilyev <a href="remirampin@gmail.com">remirampin@gmail.com</a> Simeon Visser <a href="remirampin@gmail.com">remirampin@gmail.com</a> Simon Cross <a href="remirampin@gmail.com">remirampin@gmail.com</a> Stavros Korokithakis <a href="remirampin@gmail.com">remirampin@gmail.com</a> Steven Myint <a href="remirampin@gmail.com">remirampin@gmail.com</a> Steven Myint <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Fenzl <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Fenzl <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Fenzl <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Suettler <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Guettler <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Guettler <a href="remirampin@gmail.com">remirampin@gmail.com</a> Thomas Kluyver <a href="remirampin@gmail.com">remirampin@gmail.com</a> Tomer Chachamu <a href="remirampin@gmail.com">remirampin@gmail.com</a> Tomer Chachamu <a href="remirampin@gmail.com">remirampin@gmail.com</a> Tomer Chachamu <a href="remirampin@gmail.com">remirampin@gmail.com</a> Tomer Chachamu <a href="remirampin@gmail.com">remirampin@gmail.com</a> Tome</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Ralf Schmitt <ralf@systemexit.de></ralf@systemexit.de>                              |
| Rene Dudfield <renesd @gmail.com=""> Richard Jones <a href="https://doi.org/10.1088/">Richard Jones <a href="https://doi.org/10.1088/">https://doi.org/10.1088/</a>  Richard Jones <a href="https://doi.org/10.1088/">Richard Jones <a href="https://doi.org/10.1088/">https://doi.org/10.1088/</a>  Richard Jones <a criticalins@p.com"="" href="https://doi.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;Razzi Abuissa &lt;razzi53@gmail.com&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Richard Jones &lt;rtchardjūn3s@gmail.com&gt; RobberPhex &lt;robberphex@gmail.com&gt; Robber Collins &lt;a href=">com&gt;</a> Robe Berman <a href="criticalins@p.com">com&gt;</a> Robe Berman <a href="criticalins@p.com">com&gt;</a> Roman Bogorodskiy <a href="criticalins@p.com">com&gt;</a> Roman Bogorodskiy <a href="criticalins@p.com">com&gt;</a> Romy Pfannschmidt <a href="criticalins@p.com">com&gt;</a> Rony McCann <a href="criticalins@p.com">com&gt;</a> Rony McCann <a href="criticalins@p.com">com&gt;</a> Rony McCann <a href="criticalins@p.com">com&gt;</a> Rony McCann <a href="criticalins@p.com">com&gt;</a> Sathamar <a href="criticalins@p.com">criticalins@p.com</a> Soften <a href="criticalins@p.com">criticalins@p.com</a> Soften <a href="criticalins@p.com">criticalins@p.com</a> Simon <a href="criticalins@p.com">criticalins@p.com</a> Siavros Korokithakis <a href="criticalins@p.com">stavros Korokithakis <a href="criticalins@p.com">criticalins@p.com</a> Sitefan Scherfke <a href="criticalins@p.com">stefan @sofa-rockers.org</a> Steven Myint <a href="criticalins@p.com">criticalins@p.com</a> Stéphane Klein <a href="criticalins@p.com">criticalins@p.com</a> Thomas Fenzl <a href="criticalins@p.com">criticalins@p.com</a> Thomas Guettler <a href="criticalins@p.com">criticalins@p.com</a> Thomas Guettler <a href="criticalins@p.com">criticalins@p.com</a> Thomas Johansson <a href="criticalins@p.com">criticalins@p.com</a> Tim Harder <a href="criticalins@p.com">criticalins@p.com</a> Tim Harder <a href="criticalins@p.com">criticalins@p.com</a> Tomer Chachamu <a href="criticalins@p.com">criticalins@p.com</a> Tomer C</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></renesd>                                                                                                                                     |  | Remi Rampin <remirampin@gmail.com></remirampin@gmail.com>                           |
| RobberPhex <pre>Robert Collins <pre>crbberphex@gmail.com&gt;</pre> Roby Berman <pre>Roby Berman <pre>Roby Jerman@gmail.com&gt;</pre> Roman Bogorodskiy <pre>croman.bogorodskiy@ericsson.com&gt;</pre> Roman Bogorodskiy <pre>croman.bogorodskiy@ericsson.com&gt;</pre> Romy Pfannschmidt <pre>Ronny Pfannschmidt@gmx.de&gt;</pre> Rony Pfannschmidt <pre>Ronny Pfannschmidt@gmx.de&gt;</pre> Rory McCann <pre>crory@technomancy.org&gt;</pre> Ross Brattain <pre>crory@technomancy.org</pre> Ross Brattain <pre>descrip@technomancy.org</pre> Ross</pre></pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Rene Dudfield <renesd@gmail.com></renesd@gmail.com>                                 |
| Robert Collins <a href="https://www.ncb.com">https://www.ncb.com"&gt;https://www.ncb.com</a> Roman Bogorodskiy <a href="https://www.ncb.com">https://www.ncb.com</a> Roman Bogorodskiy <a href="https://www.ncb.com">www.ncb.com</a> Roman Bogorodskiy <a href="https://www.ncb.com">www.ncb.com</a> Roman Bogorodskiy <a href="https://www.ncb.com">www.ncb.com</a> Roman Bogorodskiy <a href="https://www.ncb.com">www.ncb.com</a> Roman Pannschmidt <a href="https://www.ncb.com">www.ncb.com</a> Romy McCann <a href="https://www.ncb.com">www.ncb.com</a> Romy McCann <a href="https://www.ncb.com">www.ncb.com</a> Sattatian <a href="https://www.ncb.com">www.ncb.com</a> Satty Woodworth <a href="https://www.ncb.com">www.ncb.com</a> Satty Woodworth <a href="https://www.ncb.com">www.ncb.com</a> Satty Woodworth <a href="https://www.ncb.com">www.ncb.com</a> Simon Cross <a href="https://www.ncb.com">www.ncb.com</a> Siteven Myint <a href="https://www.ncb.com">wint.com</a> Siteven Myint <a href="https://www.ncb.com">wint.com</a> Thomas Stuyus <a href="https://www.ncb.com">wint.com</a> Thomas Guttler <a href="https://www.ncb.com">https://www.ncb.com</a> Thomas Guttler <a href="https://www.ncb.com">https://www.ncb.com</a> Thomas Guttler <a href="https://www.ncb.com">https://www.ncb.com</a> Thomas Cross <a< td=""><td></td><td>Richard Jones <r1chardj0n3s@gmail.com></r1chardj0n3s@gmail.com></td></a<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Richard Jones <r1chardj0n3s@gmail.com></r1chardj0n3s@gmail.com>                     |
| Roey Berman <roey.berman@gmail.com> Roman Bogorodskiy <roman.bogorodskiy@ericsson.com> Romuald Brunet <romuald@chivil.com> Ronny Pfannschmidt <ronny.pfannschmidt@gmx.de> Rony McCann <rory@etchnomancy.org> Ross Brattain <ross.b.brattain@intel.com> schlamar <marc.schlaich@gmail.com> Sergey Vasilyev <nolar@nolar.info> Seth Woodworth <seth@sethish.com> Simeon Visser <swisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl Athomas.fenzl@gmail.com&gt; Thomas Guettler Attowall@calhost&gt; Thomas Guettler Attowall@calhost&gt; Thomas Kluyver Attowall@calhost&gt; Thomas Kluyver Attowall@coalhost&gt; Thomas Kluyver Attowall@calhost&gt; Toshio Kuratomi Attowall @calhost&gt; Toshio Kuratomi Attowall @calhost&gt; Toshio Kuratomi Attowall @calhost&gt; Toshio Kuratomi Attowall @mail.com&gt; Toshio Kuratomi Attowall @calhost&gt; Toshio Kuratomi Attowall @calho</shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></swisser@users.noreply.github.com></seth@sethish.com></nolar@nolar.info></marc.schlaich@gmail.com></ross.b.brattain@intel.com></rory@etchnomancy.org></ronny.pfannschmidt@gmx.de></romuald@chivil.com></roman.bogorodskiy@ericsson.com></roey.berman@gmail.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | RobberPhex <robberphex@gmail.com></robberphex@gmail.com>                            |
| Roman Bogorodskiy <a href="roman.bogorodskiy@ericsson.com">romuald Brunet <a href="roman.bogorodskiy@ericsson.com">romuald@chivil.com</a> Ronny Pfannschmidt <a href="Roman.bogorodskiy@ericsson.com">Ronny Pfannschmidt@gmx.de&gt;</a> Rony McCann <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Rony McCann <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Rony McCann <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Satharan <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Simon Cross <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Thomas Shully Cross <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Thomas Guettler <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Thomas Guettler <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Thomas Guettler <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Thomas Guettler <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Toman Crohamu <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Toman Crohamu <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Viales Babiy <a href="roman.bogorodskiy@ericsson.com">roman.bogorodskiy@ericsson.com</a> Viales Babiy <a href="roman.bog&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;Robert Collins &lt;rbtcollins@hp.com&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Romuald Brunet &lt;romuald@chivil.com&gt; Ronny Pfannschmidt &lt;Ronny.Pfannschmidt@gmx.de&gt; Rory McCann &lt;rory@technomancy.org&gt; Ross Brattain &lt;ross.b.brattain@intel.com&gt; schlamar &lt;marc.schlaich@gmail.com&gt; schlamar &lt;marc.schlaich@gmail.com&gt; Sergey Vasilyev &lt;nolar@nolar.info&gt; Seth Woodworth &lt;seth@sethish.com&gt; Simeon Visser &lt;svisser@users.noreply.github.com&gt; Simon Cross &lt;hodgestar@gmail.com&gt; Stavros Korokithakis &lt;stavros@korokithakis.net&gt; Stefan Scherfke &lt;stefan@sofa-rockers.org&gt; Steven Myint &lt;git@stevenmyint.com&gt; Stéphane Klein &lt;contact@stephane-klein.info&gt; Takayuki SHIMIZUKAWA &lt;shimizukawa@gmail.com&gt; Thomas Fenzl &lt;thomas.fenzl@gmail.com&gt; Thomas Guettler &lt;tguettler@tbz-pariv.de&gt; Thomas Johansson &lt;devuli@localhost&gt; Thomas Kluyver &lt;takowl@gmail.com&gt; Tim Harder &lt;radhermit@gmail.com&gt; Tomer Chachamu &lt;tomer.chachamu@gmail.com&gt; Tomer Chachamu &lt;tomer.chachamu@gmail.com&gt; Tomer Chachamu &lt;tomer.chachamu@gmail.com&gt; Valentin Haenel &lt;valentin.haenel@gmx.de&gt; Victor Stinner &lt;victor.stinner@gmail.com&gt; Vinay Sajip &lt;vinay_sajip@yahoo.co.uk&gt; Vitaly Babiy &lt;vbabiy86@gmail.com&gt; W. Trevor King &lt;wking@drexel.edu&gt; Wil Tan &lt;wili@dready.org&gt; Xavier Fernandez &lt;a href=" mailto:kavier"="">kavier Fernandez <a href="mailto:kavier">kavier Semandez <a href="mailto:kavier">kavier Fernandez <a href="mailto:kavier">kavier Fernandez <a href="mailto:kavier">kavier Fernandez <a href="mailto:kavier">kavier Semandez <a href="mailto:kavier">kavier Fernandez <a href="mailto:kavier">kavier <a href="mailto:kavier">kavier <a href="mailto:kavier">kavie</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a> |  | Roey Berman <roey.berman@gmail.com></roey.berman@gmail.com>                         |
| Ronny Pfannschmidt <ronny.pfannschmidt@gmx.de> Rory McCann <rory@technomancy.org> Ross Brattain  Rory McCann <rors.b. brattain@intel.com=""> schlamar <marc.schlaich@gmail.com> sergey Vasilyev <nolar@nolar.info> Seth Woodworth <seth@sethish.com> Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfike <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl stephane-klein.info&gt; Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Guettler <tp>stepuettler@tbz-pariv.de&gt; Thomas Johansson <devnull@localhost> Thomas Kluyver <takowa@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <alennic orm=""> Vinay Sajip <vinay_sajip@yahoo.co.uk> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wiil@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Youl P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com> Doster 0.8.1   Poster 0.8.1 Copyright (c) 2011 Chris AtLee</kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wiil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></vinay_sajip@yahoo.co.uk></alennic></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowa@gmail.com></devnull@localhost></tp></shimizukawa@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com></seth@sethish.com></nolar@nolar.info></marc.schlaich@gmail.com></rors.b.></rory@technomancy.org></ronny.pfannschmidt@gmx.de>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Roman Bogorodskiy <roman.bogorodskiy@ericsson.com></roman.bogorodskiy@ericsson.com> |
| Rory McCann <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Ross Brattain <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Sergey Vasilyev <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Seth Woodworth <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Seth Woodworth <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Simon Cross <a href="mailto:ross.brattain@intel.com">mailto:ross.brattain@intel.com</a> Stavros Korokithakis <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavrosmall.com</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Victor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a> Virtor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a> Virtor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Romuald Brunet <romuald@chivil.com></romuald@chivil.com>                            |
| Rory McCann <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Ross Brattain <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Sergey Vasilyev <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Seth Woodworth <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Seth Woodworth <a href="mailto:ross.b.brattain@intel.com">mailto:ross.b.brattain@intel.com</a> Simon Cross <a href="mailto:ross.brattain@intel.com">mailto:ross.brattain@intel.com</a> Stavros Korokithakis <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros Korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavros@korokithakis.net">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Stefan Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavros@korokithakis.net</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavrosmall.com</a> Thomas Scherfke <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Valentin Haenel <a href="mailto:stavrosmall.com">stavrosmall.com</a> Victor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a> Virtor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a> Virtor Stinner <a href="mailto:stavrosmall.com">mailto:stavrosmall.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Ronny Pfannschmidt <ronny.pfannschmidt@gmx.de></ronny.pfannschmidt@gmx.de>          |
| Ross Brattain <ross.b.brattain@intel.com> schlamar <marc.schlaich@gmail.com> Sergey Vasilyev <nolar@nolar.info> Seth Woodworth <seth@sethish.com> Simeon Visser <svisser@users.noreply.github.com> Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfike <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <choose fenzl@gmail.com=""> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <choose fedoraproject.org=""> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wild@ready.org> Xavier Fernandez <av.fernandez@gmail.com> Yoval P <av.fernandez@gmail.com> Yoval P <av.fernandez@gmail.com> Yoval P <a href="Yoval@gmx.com">Yoval P <a href="Yoval@gmx.com">Yoval@gmx.com</a> Zearin <a href="Zoval@gmx.com">Zoval@gmx.com</a> Zhiping Deng <a href="Yoval@gmx.com">Xova</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></av.fernandez@gmail.com></av.fernandez@gmail.com></av.fernandez@gmail.com></wild@ready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></choose></tomer.chachamu@gmail.com></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></choose></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com></svisser@users.noreply.github.com></seth@sethish.com></nolar@nolar.info></marc.schlaich@gmail.com></ross.b.brattain@intel.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                     |
| schlamar <marc.schlaich@gmail.com> Sergey Vasilyev <nolar@nolar.info> Seth Woodworth <seth@sethish.com> Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shirnizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Gulyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wii@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Youal P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com></kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wii@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shirnizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com></seth@sethish.com></nolar@nolar.info></marc.schlaich@gmail.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                     |
| Sergey Vasilyev <nolar@nolar.info> Seth Woodworth <seth@sethish.com> Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfike <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shirnizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Guetyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wii@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Youal P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com></kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wii@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shirnizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com></seth@sethish.com></nolar@nolar.info>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                     |
| Seth Woodworth <seth @sethish.com=""> Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wii@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Youl P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com></kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wii@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com></seth>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                     |
| Simeon Visser <svisser@users.noreply.github.com> Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thoomselfanterior <th="">Thomas Guettler Thomas Guett</thoomselfanterior></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com></svisser@users.noreply.github.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                     |
| Simon Cross <hodgestar@gmail.com> Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wil@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Yoval P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com>  Copyright (c) 2011 Chris AtLee</kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net></hodgestar@gmail.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                     |
| Stavros Korokithakis <stavros@korokithakis.net> Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wil@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Yoval P <yoval@gmx.com> Yu Jian <a href="maskingyj@gmail.com">askingyj@gmail.com&gt; Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com>  Copyright (c) 2011 Chris AtLee</kofreestyler@gmail.com></zearin@gonk.net></a></yoval@gmx.com></xav.fernandez@gmail.com></wil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org></stavros@korokithakis.net>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                     |
| Stefan Scherfke <stefan@sofa-rockers.org> Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wil@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Youal P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com> Dopyright (c) 2011 Chris AtLee</kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com></stefan@sofa-rockers.org>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                     |
| Steven Myint <git@stevenmyint.com> Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <rachermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wil@dready.org> Xavier Fernandez <xav.fernandez@gmail.com> Yoval P <yoval@gmx.com> Yu Jian <askingyj@gmail.com> Zearin <zearin@gonk.net> Zhiping Deng <kofreestyler@gmail.com> Doster 0.8.1</kofreestyler@gmail.com></zearin@gonk.net></askingyj@gmail.com></yoval@gmx.com></xav.fernandez@gmail.com></wil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></rachermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info></git@stevenmyint.com>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                     |
| Stéphane Klein <contact@stephane-klein.info> Takayuki SHIMIZUKAWA <shimizukawa@gmail.com> Thomas Fenzl <thomas.fenzl@gmail.com> Thomas Guettler <tguettler@tbz-pariv.de> Thomas Johansson <devnull@localhost> Thomas Kluyver <takowl@gmail.com> Tim Harder <radhermit@gmail.com> Tomer Chachamu <tomer.chachamu@gmail.com> Toshio Kuratomi <toshio@fedoraproject.org> Travis Swicegood <development@domain51.com> Valentin Haenel <valentin.haenel@gmx.de> Victor Stinner <victor.stinner@gmail.com> Vinay Sajip <vinay_sajip@yahoo.co.uk> Vitaly Babiy <vbabiy86@gmail.com> W. Trevor King <wking@drexel.edu> Wil Tan <wil@dready.org> Xavier Fernandez <a href="mailto:avav.fernandez@gmail.com">avav.fernandez@gmail.com&gt; Yoval P <a href="mailto:yoval@gmx.com">yoval P <a href="mailto:avav.fernandez@gmail.com">yoval P <a href="mailto:avav.fernandez@gmail.com">yu Jian <a href="mailto:askingyi@gmail.com">askingyi@gmail.com&gt;</a> Zearin <a href="mailto:askingyi@gmail.com">zearin </a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></wil@dready.org></wking@drexel.edu></vbabiy86@gmail.com></vinay_sajip@yahoo.co.uk></victor.stinner@gmail.com></valentin.haenel@gmx.de></development@domain51.com></toshio@fedoraproject.org></tomer.chachamu@gmail.com></radhermit@gmail.com></takowl@gmail.com></devnull@localhost></tguettler@tbz-pariv.de></thomas.fenzl@gmail.com></shimizukawa@gmail.com></contact@stephane-klein.info>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                     |

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| pyro4 4.45       | Irmen de Jong (irmen@razorvine.net)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                  | Pygments is written and maintained by Georg Brandl <georg@python.org>.  Major developers are Tim Hatch <tim@timhatch.com> and Armin Ronacher <armin.ronacher@active-4.com>.</armin.ronacher@active-4.com></tim@timhatch.com></georg@python.org>                                                                                                                                                                                                                            |
|                  | Other contributors, listed alphabetically, are:  * Sam Aaron loke lexer  * Kumar Appaiah Debian control lexer  * Ali Afshar image formatter  * Andreas Amann AppleScript lexer  * Timothy Armstrong Dart lexer fixes                                                                                                                                                                                                                                                       |
| pytz 2015.4      | * Jeffrey Arnold R/S, Rd, BUGS, Jags, and Stan lexers  * Jeremy Ashkenas CoffeeScript lexer  * Stefan Matthias Aust Smalltalk lexer  * Ben Bangert Mako lexers  * Max Battcher Darcs patch lexer  * Paul Baumgart, 280 North, Inc Objective-J lexer                                                                                                                                                                                                                        |
| pyt2 2013.4      | * Michael Bayer Myghty lexers  * John Benediktsson Factor lexer  * Christopher Bertels Fancy lexer  * Jarrett Billingsley MiniD lexer  * Adam Blinkinsop Haskell, Redcode lexers  * Frits van Bommel assembler lexers  * Pierre Bourdon bugfixes  * Hiram Chirino Scaml and Jade lexers  * lan Cooper VGL lexer  * Leaf Corcoran MoonScript lexer  * Christian Jann ShellSession lexer  * Christopher Creutzig MuPAD lexer  * Pete Curry bugfixes  * Owen Durni haXe lexer |
|                  | * Nick Efford Python 3 lexer * Sven Efftinge Xtend lexer                                                                                                                                                                                                                                                                                                                                                                                                                   |

- \* Artem Egorkine -- terminal256 formatter
- \* James H. Fisher -- PostScript lexer
- \* Carlos Galdino -- Elixir and Elixir Console lexers
- \* Michael Galloy -- IDL lexer
- \* Naveen Garg -- Autohotkey lexer
- \* Laurent Gautier -- R/S lexer
- \* Alex Gaynor -- PyPy log lexer
- \* Alain Gilbert -- TypeScript lexer
- \* Bertrand Goetzmann -- Groovy lexer
- \* Krzysiek Goj -- Scala lexer
- \* Matt Good -- Genshi, Cheetah lexers
- \* Patrick Gotthardt -- PHP namespaces support
- \* Olivier Guibe -- Asymptote lexer
- \* Jordi Gutiérrez Hermoso -- Octave lexer
- \* Martin Harriman -- SNOBOL lexer
- \* Matthew Harrison -- SVG formatter
- \* Steven Hazel -- Tcl lexer
- \* Aslak Hellesøy -- Gherkin lexer
- \* Greg Hendershott -- Racket lexer
- \* David Hess, Fish Software, Inc. -- Objective-J lexer
- \* Varun Hiremath -- Debian control lexer
- \* Doug Hogan -- Mscgen lexer
- \* Ben Hollis -- Mason lexer
- \* Dustin Howett -- Logos lexer
- \* Alastair Houghton -- Lexer inheritance facility
- \* Tim Howard -- BlitzMax lexer
- \* Ivan Inozemtsev -- Fantom lexer
- \* Brian R. Jackson -- Tea lexer
- \* Dennis Kaarsemaker -- sources.list lexer
- \* Igor Kalnitsky -- vhdl lexer
- \* Pekka Klärck -- Robot Framework lexer
- \* Eric Knibbe -- Lasso lexer
- \* Adam Koprowski -- Opa lexer
- \* Benjamin Kowarsch -- Modula-2 lexer
- \* Alexander Kriegisch -- Kconfig and AspectJ lexers
- \* Marek Kubica -- Scheme lexer
- \* Jochen Kupperschmidt -- Markdown processor
- \* Gerd Kurzbach -- Modelica lexer
- \* Jon Larimer, Google Inc. -- Smali lexer
- \* Olov Lassus -- Dart lexer
- \* Sylvestre Ledru -- Scilab lexer
- \* Mark Lee -- Vala lexer
- \* Ben Mabey -- Gherkin lexer
- \* Angus MacArthur -- QML lexer
- \* Simone Margaritelli -- Hybris lexer
- \* Kirk McDonald -- D lexer

- \* Gordon McGregor -- SystemVerilog lexer
- \* Stephen McKamey -- Duel/JBST lexer
- \* Brian McKenna -- F# lexer
- \* Charles McLaughlin -- Puppet lexer
- \* Lukas Meuser -- BBCode formatter, Lua lexer
- \* Paul Miller -- LiveScript lexer
- \* Hong Minhee -- HTTP lexer
- \* Michael Mior -- Awk lexer
- \* Bruce Mitchener -- Dylan lexer rewrite
- \* Reuben Morais -- SourcePawn lexer
- \* Jon Morton -- Rust lexer
- \* Paulo Moura -- Logtalk lexer
- \* Mher Movsisyan -- DTD lexer
- \* Ana Nelson -- Ragel, ANTLR, R console lexers
- \* Nam T. Nguyen -- Monokai style
- \* Jesper Noehr -- HTML formatter "anchorlinenos"
- \* Mike Nolta -- Julia lexer
- \* Jonas Obrist -- BBCode lexer
- \* David Oliva -- Rebol lexer
- \* Jon Parise -- Protocol buffers lexer
- \* Ronny Pfannschmidt -- BBCode lexer
- \* Benjamin Peterson -- Test suite refactoring
- \* Dominik Picheta -- Nimrod lexer
- \* Clément Prévost -- UrbiScript lexer
- \* Kashif Rasul -- CUDA lexer
- \* Justin Reidy -- MXML lexer
- \* Norman Richards -- JSON lexer
- \* Lubomir Rintel -- GoodData MAQL and CL lexers
- \* Andre Roberge -- Tango style
- \* Konrad Rudolph -- LaTeX formatter enhancements
- \* Mario Ruggier -- Evoque lexers
- \* Stou Sandalski -- NumPy, FORTRAN, tcsh and XSLT lexers
- \* Matteo Sasso -- Common Lisp lexer
- \* Joe Schafer -- Ada lexer
- \* Ken Schutte -- Matlab lexers
- \* Tassilo Schweyer -- Io, MOOCode lexers
- \* Ted Shaw -- Autolt lexer
- \* Joerg Sieker -- ABAP lexer
- \* Robert Simmons -- Standard ML lexer
- \* Kirill Simonov -- YAML lexer
- \* Alexander Smishlajev -- Visual FoxPro lexer
- \* Steve Spigarelli -- XQuery lexer
- \* Jerome St-Louis -- eC lexer
- \* James Strachan -- Kotlin lexer
- \* Tom Stuart -- Treetop lexer
- \* Tiberius Teng -- default style overhaul

|                  | T                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | * Jeremy Thurgood Erlang, Squid config lexers                                                                                                    |
|                  | * Brian Tiffin OpenCOBOL lexer                                                                                                                   |
|                  | * Erick Tryzelaar Felix lexer                                                                                                                    |
|                  | * Daniele Varrazzo PostgreSQL lexers                                                                                                             |
|                  | * Abe Voelker OpenEdge ABL lexer                                                                                                                 |
|                  | * Pepijn de Vos HTML formatter CTags support                                                                                                     |
|                  | * Whitney Young ObjectiveC lexer                                                                                                                 |
|                  | * Matthias Vallentin Bro lexer                                                                                                                   |
|                  | * Nathan Weizenbaum Haml and Sass lexers                                                                                                         |
|                  | * Dietmar Winkler Modelica lexer                                                                                                                 |
|                  | * Nils Winter Smalltalk lexer                                                                                                                    |
|                  | * Davy Wybiral Clojure lexer                                                                                                                     |
|                  | * Diego Zamboni CFengine3 lexer                                                                                                                  |
|                  | * Enrique Zamudio Ceylon lexer                                                                                                                   |
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|                  |                                                                                                                                                  |
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|                  | PyVISA was originally programmed by Torsten Bronger and Gregor Thalhammer, Innsbruck, Austria. It is based on earlier experiences by Thalhammer. |
|                  | It was maintained from March 2012 to August 2013 by Florian Bauer.                                                                               |
|                  | It is currently maintained by Hernan E. Grecco <a href="https://www.ersan.grecco@gmail.com">hernan.grecco@gmail.com</a> .                        |
|                  | Other contributors, listed alphabetically, are:                                                                                                  |
|                  | * Christian Lupien <christian.lupien@usherbrooke.ca></christian.lupien@usherbrooke.ca>                                                           |
| pyvisa 1.8       | * Colin Marquardt <github@marquardt-home.de></github@marquardt-home.de>                                                                          |
| pyviou 1.0       | * Martin Ritter <ritter@mpp.mpg.de></ritter@mpp.mpg.de>                                                                                          |
|                  | * Matthew94 <matthewlove94@gmail.com></matthewlove94@gmail.com>                                                                                  |
|                  | * Tobias Müller <tobias_mueller@twam.info></tobias_mueller@twam.info>                                                                            |
|                  | * Yves Delley <hack@delley.net></hack@delley.net>                                                                                                |
|                  | * crazyfermions <brain-stormer@web.de></brain-stormer@web.de>                                                                                    |
|                  | * gnbl <l@eleif.net></l@eleif.net>                                                                                                               |
|                  | * gth                                                                                                                                            |
|                  | * kcsaff                                                                                                                                         |
|                  | * mordoror <mordoror@gmail.com></mordoror@gmail.com>                                                                                             |
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