



# IBM Spectrum Virtualize Software for FlashSystem 5200 Version 8.5.1

Term and Conditions for Other Internal Licensed Code  
Base Licenses and Attributions

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1.2.0, facebook-react-16.13.1, facebook-react-dom-16.13.1, filesystem version 3.2, flashrom version 0.9.8, flashrom-9b6fb74, focus-trap-react-6.0.0, Freemarker version 2.3.22, GETOPT version 8.3, github-markdown-css-3.0.1, gson version 2.3.1, guava-30.1.1, guice version 3.0, guice-assistedinject version 3.0, guice-multibindings version 3.0, gunicorn-20.0.4, hamcrest-core version 1.3, HMAC SHA-1 version 1.0.0, HTTPcomponents-client version 4.2.2, HTTPcomponents-core version 4.2.2, il8next-19.8.4, il8next-browser-languageDetector-4.3.1, il8next-xhr-backend-3.2.2, IBM Dojo Toolkit (IDT) version 1.7.2, IBM Dojo Toolkit (IDT) version 1.9.7, IBM Eclipse Help System version 3.6.2, IBM Runtime Environment, Java (TM) Technology Edition version 7, ibm-design-icons-2.1.4, ibm-plex-5.1.3, importlib\_metadata-1.7.0, InstallAnywhere 2012, Intel PXE, Intel QuickAssist QAT1.7 version 4.1.0, IPMITools version 1.8.11, ISA-L version 2.15, jackson-annotations-2.9.9, jackson-core-2.9.9, jackson-databind-2.9.9, java-jwt-3.15.0, java-xmlbuilder version 1.1, javaassist-3.20.0, jClouds version 1.9.1, jemalloc-5.2.1, jjwt-0.9.0, JSch version 0.1.48, Jsonschema version 2.6.0, jsr250-api version 1.0, jsr311-api version 1.1.1, JSTL Standard Tag Library version 1.1.2, jwcrypto-0.9.1, jwks-rsa-0.17.1, kombu-4.6.6, libfuse2 version 2.7.4, LIBSTREE version 0.4.2, libtomcrypt-1.18.2, libtommath-1.1.0, logback-classic version 1.0.13, logback-core version 1.0.13, LZ4 version 2012, mailx version 12.5, markdown-it-12.0.6, markdown-it-sup-1.0.0, mcelog 1.0.2010.03.10, MD5 1993, Mellanox Firmware Tool, metrics-core version 3.1.0, mlnx-tools-ofed-scripts-5.2.0, moment version 2.19.0, Mozilla Development Network Polyfills, msrestazure-0.6.3, munch-2.5.0, netifaces 0.10.4, nginx-1.14.1, nginx-filesystem-1.14.1, nspr version 4.13.1, nss version 3.28.4, nss-pem version 1.0.3, nss-softokn 3.28.3, nss-util 3.28.4, ognl-3.1.26, OGNL-3.1.26, Open iSCSI version 2.0.874, OpenPegasus version 2.13.0, openssl version 2.1.1658, OpenSSL version 1.0.2k, paho-mqtt version 1.3.1, paramiko version 2.2.1, perl version 5.16.3, perl-XML-SAX Base version 1.0.8, plendk version 6.4.0, plfc version 6.4.0, plkt version 6.4.0, plmmk version 6.4.0, plpa version 6.4.0, plsas version 6.4.0, plsq version 6.4.0, plwdk version 6.4.0, pycryptodomex-3.10.1, pyjwt-1.6.1, Python-3.6.8, python-backports-ssl\_match\_hostname-3.4.0, python-bottle version 0.12.6, Python-ipy version 0.83, pyvmomi-7.0.2, react-16.14.0, react-codemirror2-7.1.0, react-dom-16.14.0, react-il8next-11.8.13, react-il8next-11.8.2, react-load-script-0.0.6, react-loadable-5.5.0, react-markdown-5.0.0, react-router-dom-5.2.0, react-transition-group-4.4.2, red-black-and-interval-trees, redis-3.5.3 (python), redis-6.0.9, regenerator-runtime version 0.12.1, remark-gfm-1.0.0, rocoto version 6.2, scst version 7021, slf4j-api version 1.7.7, Softlayer-python version 5.2.7, SQLAlchemy-1.3.2, sqlparse-0.3.1, STEC, Struts2-tiles-plugin version 2.3.28, swagger-ui-3.44.1, tpm-tools version 1.3.8, trousers version 0.3.13, use-resize-observer-6.1.0, UTF8, Velocity Tools version 1.1, vine-5.0.0, zipp-3.4.0, ZLIB QuickAssist Patch version L.0.4.3\_004, ZLIB version 1.2.11

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Based on Kevin Tran's iSCSI boot code

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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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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
2.1.2	2.1.1	2002	PSF	yes
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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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History of the software  
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://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 <https://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.

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+-----+-----+-----+-----+-----+
| Release | Derived from | Year | Owner | GPL compatible? |
+-----+-----+-----+-----+-----+
| 0.9.0 thru 1.2 | n/a | 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 | no |
+-----+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+-----+
| 2.1.2 | 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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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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Sockets  
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The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and  
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#### Asynchronous socket services

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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

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Select kqueue

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SipHash24

-----

The file :file:`Python/pyhash.c` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:  
Samuel Neves (supercop/crypto\_auth/siphhash24/little)  
djb (supercop/crypto\_auth/siphhash24/little2)  
Jean-Philippe Aumasson (<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa  
-----

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expat  
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libffi  
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zlib  
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cfuhash  
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The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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libmpdec  
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                                     | | XML parser

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- jsp\_2\_2.xsd
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- web-common\_3\_0.xsd
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- libfuse2 version 2.7.4
- paramiko version 2.2.1

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jwcrypto-0.9.1

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