



# IBM Spectrum Virtualize Software for FlashSystem 5200 Version 8.5.0

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

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1.0, Apache Jakarta Commons Collections version 3.2, Apache Tomcat Native  
Library version 1.2.16, Apache Tomcat Subcomponents, Apache Tomcat version  
7.0.85, Apache Velocity version 1.5, Apache-Tomcat-8.5.57, AWS-CLI version  
1.16.155, azure-common-1.1.25, azure-mgmt-compute-12.0.0,  
azure-mgmt-network-10.2.0, azure-mgmt-nspkg-3.0.2,  
azure-mgmt-resource-10.0.0, azure-nspkg-3.0.2, Base64 version 2.3.8,  
billiard-3.6.1, boto3 version 1.9.142, botocore version 1.12.142,  
callOn-api version 1.0, carbon-addons-cloud-4.2.0,  
carbon-addons-cloud-react-2.0.3, carbon-components-10.25.0,  
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carbon-components-react-7.36.0, carbon-icons version 7.0.7, celery-4.3.0,  
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commons-digester-2.1, Commons-Digester3 version 3.2, Commons-FileUpload  
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version 2.4, Commons-Lang3 version 3.1, commons-lang3-3.8.1,  
Commons-Logging version 1.1.1, commons-logging-1.2, Commons-Net version  
3.0.1, construct-2.10.56, core-js-3.15.2, crc32c version 1.1, cudbg\_app  
version 1.1.14, d3-5.16.0, DH895xCC ACCEL.L version 1.0.3-7,  
django-2.2.17, django-auth-ldap-2.0.0, django-filter-2.4.0,  
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erlang-syntax\_tools-22.3.4.1, erlang-tools-22.3.4.1,  
erlang-xmerl-22.3.4.1, es6-promise-polyfill version 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, Jschema 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-filestore-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, 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, duo-unix-1.11.5

Celestica / American Megatrends Inc.: BMC firmware, BMC AST2500 firmware, UEFI BIOS, CFUFLASH, Yafu Flash

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duo-unix-1.11.5  
filesystem version 3.2  
flashrom version 0.9.8  
flashrom-9b6fb74  
mcelog 1.0.2010.03.10  
mlnx-tools-ofed-scripts-5.2.0  
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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
2.1.3	2.1.2	2002	PSF	yes
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When finished, dispose of the MD5Context with MD5Delete().

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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
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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2.1	2.2	2002	PSF	yes
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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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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

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Mersenne Twister  
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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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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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Original location:  
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Solution inspired by code from:  
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Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa  
-----

The file :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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zlib  
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cfuhash  
-----

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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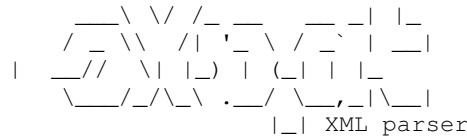
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- javaee\_5.xsd
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- javaee\_web\_services\_client\_1\_2.xsd
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- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
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jwcrypto-0.9.1

Source code to any of the above-listed packages distributed with IBM  
Spectrum Virtualize Software for FlashSystem 5200 Version 8.5.0 is  
available at the website below, when a URL is provided, or by sending a  
request to the following address or email:

IBM Corporation  
Attn: Dept 4XNA / 9032-2, Storage Open Source Management  
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Tucson, AZ 85744

Please identify the name of the IBM product and the GPL or LGPL  
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