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Software Development Group
National Center for Supercomputing Applications
University of Illinois at Urbana-Champaign
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61820 httpd@ncsa.uiuc.edu

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For the pcre component:

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel [<ph10@cam.ac.uk>](mailto:ph10@cam.ac.uk)

University of Cambridge Computing Service,
Cambridge, England. Phone: +44 1223 334714.

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Thanks to the following people for their input:
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gdal/frmts/gtiff/tif_float.c

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gdal/frmts/pcraster/libcsf

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gdal/ogr/ogrsf_frmts/dxf/intronurbs.cpp

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gdal/alg/thinplatespline.cpp

IEEE754 log() code derived from:
@(#)e_log.c 1.3 95/01/18

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gdal/alg/libqhull

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gdal/frmts/pdf/pdfdataset.cpp (method PDFiumRenderPageBitmap())

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JQuery.i18n.properties

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Js-cookie

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Libstdc++ Runtime Library

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Version 3.1, 31 March 2009

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Mapbox-gl-style-spec

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```
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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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Python 2.7.7

See below.

Python 2.7.10

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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 <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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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
2.2.1	2.2	2002	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
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2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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SciPy 0.15.1

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Store.js V1.3.16

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Xerces 3.1

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Xlrd 0.9.3

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Xlwt 1.0.0

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XSLT (libxml2)

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Xerces C++ Parser

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zlib

/* zlib.h – interface of the 'zlib' general purpose compression library version 1.2.8, April 28th, 2013

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zlib was written by Jean-loup Gailly (compression) and Mark Adler (decompression).

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ZXing CCP

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Version 3, 29 June 2007

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1. Source Code.

The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.

A “Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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Nose 1.3.7	LGPL V2.0	AGDT, AGServer, AGEngine 10.4, ArcGIS Pro 1.0
Numpy 1.9.2	BSD	AGDT, AGServer, AGEngine 10.4

OpenCSV	Apache License 2.0	ArcGIS GeoEvent Extension for Server
OpenGL Support	SGI Free Software License	ArcGIS 10.3.1 3D Analyst Extension, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server
OpenLDAP 2.3	OpenLDAP Public License	ArcGIS 10.3.1 for Server
Open-SANS Font	Apache License V2.0	AppStudio for ArcGIS V1.0
OpenSceneGraph 2.6	OpenSceneGraph Public License	ArcGIS 10.3.1 for Desktop 3D Analyst, ArcGIS 10.3.1 for Server 3D Analyst, ArcGIS 10.3.1 Engine 3D Analyst
OpenSSL	OpenSSL License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 for Server, ArcGIS Runtime SDKs10.2.x, Production Mapping 10.3.1, Esri Production Mapping 10.3.1
OpenSSL Library V1.0.1j	Open SSL License	AppStudio Player for ArcGIS v1 and AppStudio for ArcGIS Desktop Edition v1
OSGeo proj.4	MIT	Esri Production Mapping 10.3.1
Otto	Apache License 2.0	Collector for ArcGIS (Android) 10.2.4
overLIB 4.21	Artistic License	ArcGIS 10.3.1 for Server
P7zip	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 Engine (Linux)
Pako	MIT	ArcGIS WebApp Builder
Pandas	BSD	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Engine, ArcGIS Pro 1.0
Pandas 0.16.1	BSD	AGDT, AGServer, AGEngine 10.4, ArcGIS Pro 1.0

Pion Network Library 3.0.19	Boost License	ArcGIS Runtime SDKs 10.2.x
PixieLib.NET 7.1 MFC Class Library	Custom License	ArcGIS 10.3.1 for Desktop ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Engine
PPLX	Apache 2.0 License	ArcGIS 10.3.1 for Desktop ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Engine, ArcGIS Runtime SDKs 10.2.x
PostgreSQL 9.3.4;	PostgreSQL License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server (Ubuntu AMI), Portal for ArcGIS 10.3.1, ArcGIS 10.3.1 Data Store
PostgreSQL 9.3.5	PostgreSQL License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server (Ubuntu AMI), Portal for ArcGIS 10.3.1
PROJ.4.4.8	MIT License	ArcGIS for INSPIRE
Prototype	MIT License	ArcGIS 10.3.1 for Server
Prototype Window Class 0.70	MIT License	ArcGIS 10.3.1 for Server
Pug XML Parser 1.0002	Public Domain	ArcGIS 10.3.1 for Server
PyParsing 2.0.3	MIT	AGDT, AGServer, AGEngine 10.4
Python	Python License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcGIS Runtime SDKs 10.2.x
Python 2.7.7	Python V2.7	AppStudio for ArcGIS V1
Python 2.7.10	Python V2.0	AGDT, AGServer, AGEngine 10.4
Python-dateutil 2.42	BSD	AGDT, AGServer, AGEngine 10.4

Python Requests	Apache License 2.0	Esri Roads and Highways v10.4
pytz 2015.4	MIT	ArcGIS 10.4 (desktop, server, engine), ArcGIS Pro 1.2
Qs	BSD	AppStudio for ArcGIS V1.0
Qt Framework 5.4/5.4.1	GNU Lesser General Public License 2.1	ArcGIS Runtime SDKs 10.2.x
QJson Library	GNU Lesser General Public License 2.1	ArcGIS Runtime SDKs 10.2.x
Rome	Apache License 2.0	ArcGIS GeoEvent Extension for Server
RabbitMQ	Mozilla Public License 1.1 https://www.rabbitmq.com/mpl.html	ArcGIS Server 10.3.1, ArcGIS GeoEvent Extension for Server
ReportLab	BSD	Esri Roads and Highways
Request	Apache License V2.0	ArcGIS WebApp Builder, AppStudio for ArcGIS 1.0
requirejs (r.js)	BSD	Web AppBuilder for ArcGIS (Developer Edition)
Restify	MIT	AppStudio for ArcGIS V1.0
Restler	MIT	Web AppBuilder for ArcGIS (Developer Edition)
SciPy	SciPy License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Engine, ArcGIS Pro 1.0
SciPy 0.15.1	BSD	AGDT, AGServer, AEngine 10.4, ArcGIS Pro 1.0

serve-favicon	MIT	AppStudio for ArcGIS 1.0
SharpKML	Microsoft Public License	Tracking Server 10.3.1
SharpZipLib	Modified GNU Public License	ArcGIS 10.3.1 for Server, Business Analyst Server 10.3.1, Business Analyst Desktop 10.3.1
ShellJS	BSD	AppStudio for ArcGIS V1.0
Simple Logging Façade for Java (SKF4J)	MIT License: http://www.slf4j.org/license.html	ArcGIS 10.3.1 for Server (Spatial Data Server), ArcGIS GeoEvent Extension for Server
SiteMesh	OpenSymphony License (BSD Style)	ArcGIS 10.3.1 for Server (Spatial Data Server)
six 1.9.0	MIT	AGDT, AGServer, AEngine 10.4
Skia	Google BSD License	ArcGIS Runtime SDKs 10.2.x, ArcGIS Mobile 10.3.1, ArcGIS 10.3.1 for Maritime: Server
SlidingMenu	Apache License 2.0	Collector for ArcGIS
SlimScroll	MIT	AppStudio for ArcGIS 1.0
SmoothProgressBar	Apache License 2.0	ArcGIS Runtime SDKs 10.2.x
Snowball.NET	Apache License 2.0	ArcGIS 10.3.1 for Server, ArcGIS10.3.1 for Desktop
Spirit JSON Library	MIT License	ArcGIS Runtime SDKs 10.2.x
Spring Framework	Apache License 2.0	ArcGIS GeoEvent Extension for Server, Portal for ArcGIS 10.3.1

Spymemcached	MIT License	ArcGIS 10.3.1 for Server (Spatial Data Server)
Squish DXT Compression Library 1.1	MIT License	ArcGIS 10.3.1 3D Analyst Extension, ArcGIS 10.3.1 for Server, ArcReader 10.3.1
SQLite	Public Domain	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcGIS Pro 1.0, ArcGIS 10.3.1 Data Reviewer (Server/Desktop/Pro), ArcGIS Runtime SDKs10.2.x, ArcGIS Mobile 10.3.1
SQL Server Spatial Tools	Microsoft Public License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server
Store.js V1.3.16	MIT	ArcGIS WebApp Builder
Summernote	MIT	AppStudio for ArcGIS 1.0
superagent	MIT	Web AppBuilder for ArcGIS (Developer Edition)
SymPy	BSD	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Engine, ArcGIS Pro 1.0
SymPy 0.7.6	BSD	AGDT, AGServer, AGEngine 10.4, ArcGIS Pro 1.0
Tao.OpenGL 2.0	MIT License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine
Thinlet 6.0	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 for Server
TIFF Image (RDO & Core)/Libtiff 4.0	Libtiff License/Public Domain	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcReader 10.3.1
Time Support (RDO) 8.5.7.0	GNU Library General Public License 2.1	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcReader 10.3.1

TingoDB	MIT	ArcGIS WebApp Builder
TrueZip	Apache License 2.0	ArcGIS Runtime SDKs 10.2.x
Ultimate Grid	Code Project Usage License	Esri Production Mapping 10.3.1
Urllib3	MIT License	Esri Roads and Highways 10.4
URL Rewrite Filter	New BSD	ArcGIS 10.3.1 for Server
Velocity	Apache License 2.0	Portal for ArcGIS 10.3, ArcGIS online
Watch	Apache License 2.0	Web AppBuilder for ArcGIS (Developer Edition)
Wine 1.3.8	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 for Server, ArcGIS 10.3.1 Data Store, ArcGIS Runtime SDKs 10.2.x
Wine 1.7.54 Wine 1.7.54	LGPL V2.1	ArcGIS for Server 10.4, ArcGIS Runtime 10.4
Winser	MIT	Web AppBuilder for ArcGIS (Developer Edition)
World Magnetic Model (WMM)	Public Domain	Esri Production Mapping 10.3.1
WordNet.NET	Apache License 2.0/ WordNet License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine
WPF Chrome	MSDN Code Gallery Binary	ArcGIS Mobile 10.3.1
WPF Docking Library	CPOL 1.02	ArcLogistics 10.3.1

WPF Toolkit	Microsoft Public License	ArcGIS Mobile 10.3.1, ArcLogistics 10.3.1, ArcGIS 10.3.1 for Desktop ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server
wxWidgets 2.8.7	wxWindows Library License	ArcGIS 10.3.1 Engine
XACML 1.2	Sun XACML License	ArcGIS 10.3.1 for Server
XCB	XCB License	ArcGIS Runtime SDKs 10.2.x
Xerces C++ 3.1.1 & 3.0.1	Apache License 2.0	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcGIS Tracking Analyst Extension 10.3.1, ArcReader 10.3.1, ArcGIS Runtime SDKs 10.2 x, Production Mapping 10.3.1
Xerces 3.1	Apache License V2.0	Esri Production Mapping 10.3.1
Xlrd 0.80	BSD	ArcGIS 10.3.1 for Desktop ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server
xlrd 0.9.3	BSD	AGDT, AGServer, AGEngine 10.4
Xlwt 0.7.4	BSD	ArcGIS 10.3.1 for Desktop ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server
xlwt 1.0.0	BSD	AGDT, AGServer, AGEngine 10.4
Xml2Json Plugin	MIT License: http://opensource.org/licenses/mit-license.php	ArcGIS GeoEvent Extension for Server
XML4C 5.0.0	W3C Software Notice and License	ArcGIS 10.3.1 for Server
XSLT C Library(libxml2)	MIT License	ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcReader 10.3.1

XVFB for X11	MIT License	ArcGIS 10.3.1 for Server (Linux)
zlib Data compression	zlib license	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcReader 10.3.1, ArcGIS Runtime SDKs 10.2.x, ArcLogistics Navigator 10.3.1, ArcLogistics 10.3.1; ArcGIS 10.3.1 for Maritime: Server, Production Mapping 10.3.1, Esri Production Mapping 10.3.1
ZXing CCP	Apache License V2.0	AppStudio for ArcGIS V1.0
Zxwing-core	Apache License 2.0	ArcGIS 10.3.1 for Server, Portal for ArcGIS 10.3.1, ArcGIS 10.3.1 Data Store
Zxwing-javase	Apache License 2.0	ArcGIS 10.3.1 for Server, Portal for ArcGIS 10.3.1, ArcGIS 10.3.1 Data Store

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