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For the `src/lib\apr-util\crypto\apr_md4.c` and `src/lib\apr-util\include\apr_md4.h` components:

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For the `src/lib\apr-util\xml\expat\conftools\install-sh` and `src/lib\pcre\install-sh` components: ©

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For the pcre component:

PCRE LICENCE

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>

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

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For the test\zb.c component:

ZeusBench V1.01
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

For the expat xml parser component:

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For the zlib1.dll compression component:

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gdal/frmts/gtiff/tif_float.c

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gdal/frmts/hdf4/hdf-eos/*

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gdal/frmts/pcraster/libcsf

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gdal/ogr/ogrsf_frmts/dxf/intronurbs.cpp

This code is derived from the code associated with the book "An Introduction to NURBS" by David F. Rogers. More information on the book and the code is available at:

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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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GLEW was developed by [Milan Ikits](#) and [Marcelo Magallon](#). They also perform occasional maintenance to make sure that GLEW stays in mint condition. Aaron Lefohn, Joe Kniss, and Chris Wyman were the first users and also assisted with the design and debugging process. The acronym GLEW originates from Aaron Lefohn. Pasi Kärkkäinen identified and fixed several problems with GLX and SDL. Nate Robins created the wglinfo utility, to which modifications were made by Michael Wimmer.

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GI-matrix

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Version: 1.1

Status: FCS, Maintenance Release

Release: October 14, 2003

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src/jogamp/graph/geom/plane/IllegalPathStateException.java
src/jogamp/graph/geom/plane/NoninvertibleTransformException.java
src/jogamp/graph/geom/plane/PathIterator.java
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```
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src/jogl/classes/jogamp/graph/font/typecast/ot/table/*
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```
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src/jogl/classes/jogamp/graph/font/typecast/tt/engine/*
```

A.4) The JOGL source tree contains fonts from Ubuntu
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Version 1.0

<http://font.ubuntu.com/ufl/ubuntu-font-licence-1.0.txt>

Or within this repository: doc/licenses/ubuntu-font-licence-1.0.txt

Files:

```
src/jogamp/graph/font/fonts/ubuntu/*
```

A.5) The JOGL source tree also contains header files from NVIDIA,
reflecting Cg.

Files:

```
make/stub_includes/cg/CG/**
```

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PNGJ
====

PNGJ: Java library for reading and writing PNG images.

Version 1.12 (3 Dec 2012)

<<http://code.google.com/p/pngj/>>

Author: Hernan J. Gonzalez and Shawn Hartsock

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src/jogl/classes/jogamp/opengl/util/pngj/**

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as `true` for current official JogAmp builds and releases!

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JQuery.i18n.properties

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Ladda for Bootstrap 3

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Libgcc_s.so.1

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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liblzma 5.x

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=====

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Libstdc++ Runtime Library

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Mapbox vector-tile-spec

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Matplotlib 1.4.3

John D. Hunter, Michael Droettboom

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Mesa 11.2.1

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MMap64 Android 5.0

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License: BSD.
Reference: <https://github.com/tadmarshall/linenoise/blob/master/linenoise.h>.

QCommandLine - <http://xf.iksaif.net/dev/qcommandline.html>
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Homepage : <http://p7zip.sourceforge.net/>

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Pointer Events PolyFill 0.4.1

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Pug XML Parser

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Put-selector

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PyParsing 2.0.3

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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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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
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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Python 3.4.4/3.4.5

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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
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.1.5	3.1.4	2012	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes
3.3.0	3.2	2012	PSF	yes
3.3.1	3.3.0	2013	PSF	yes
3.3.2	3.3.1	2013	PSF	yes
3.4.0	3.3	2013	PSF	yes

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Python-dateutil 2.42

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The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (<https://github.com/jpountz>)

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Xlrd 0.9.3

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Xlwt 1.0.0

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Bundled Libraries:

***** Base 64 Library (base64/base64.hpp) *****

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base64.cpp and base64.h

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René Nyffenegger rene.nyffenegger@adp-gmbh.ch

***** SHA1 Library (sha1/sha1.hpp) *****

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L. Peter Deutsch
ghost@aladdin.com

***** UTF8 Validation logic (utf8_validation.hpp) *****

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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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Zlib.js

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Apache Xalan 2.7	Apache License 2.0	ArcGIS 10.3.1 for Server
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Assimp Open access import library 3.1.1	BSD License	ArcGIS Runtime SDKs 10.2.x
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Bluebird	MIT	AppStudio for ArcGIS 1.0, Web AppBuilder for ArcGIS
Body-parser	MIT	AppStudio for ArcGIS 1.0, Web AppBuilder for ArcGIS
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Boost C++ Libraries	MIT	CityEngine SDK (2008 – 2016)
Bootstrap	MIT	AppStudio for ArcGIS 1.0, Survey123 Website, Survey123 Hub v1
Bootstrap 3.3.4	MIT License	Portal for ArcGIS 10.5
Bootstrap-datepicker	Apache License 2.0	AppStudio for ArcGIS 1.0,
Bootstrap-daterangepicker	MIT License	Survey123 Hub v1

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Calcite + Bootstrap	Apache V2.0	Survey123 Website
Canvas	MIT License	Esri Maps for IBM Cognos 6.0.2
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Cewolf 1.0	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 for Server
CGAL V4.6.1	LGPL V3.0/GPL V3.0	ArcGIS Desktop, AGServer, ArcGIS Pro 1.2
CGAL V4.6.3	Commercial License	CityEngine 2016.0 and CityEngine SDK
CGAL V4.8	LGPL V2.0	ArcGIS 10.x (from 10.0 to the latest 10.4) and ArcGIS Pro

CGG2013a geoid models, (1) CGG2013n83a.byn + CGG2013n83a.err, (2) CGG2013i08a.byn + CGG2013i08a.err, plus the (3) CGVD28-related geoid model, HT2_0.byn.	Open Government License - Canada	ArcGIS for Desktop/Server/Engine/Reader 10.5, Pro 1.4, AGOL, Portal (any software that ships the “pedata” folder or the ArcGIS Coordinate Systems Data setup)
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Chokidar	MIT	Web AppBuilder for ArcGIS (Developer Edition
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Extend	MIT	AppStudio for ArcGIS 1.0
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Gridstack.js	MIT	CityEngine 2017.0
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Guava	Apache License 2.0	ArcGIS for Server 10.4, Navigator for ArcGIS 2.0

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Harfbuzz 1.2.3	MIT	ArcGIS Pro 1.3, ArcGIS Desktop 10.5
HazelCast	Apache License 2.0	ArcGIS GeoEvent Extension for Server
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HPPC	Apache License 2.0	ArcGIS Data Store 10.5
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J7zip	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 for Server
JSZip	MIT	Business Analyst Web App, Community Analyst ver. 5.2+
Jackson-core-2.6.2	Apache License 2.0	ArcGIS Data Store 10.5
Jackson 2.6.3	Apache License V2.0	CityEngine 2016.0
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Java Server Faces 1.1_01	Sun Binary Code License Agreement	ArcGIS 10.3.1 for Server
JSON in Java	MIT LICENSE	ArcGIS 10.3.1 for Server
JSON Schema Validator	MIT License Some parts Public Domain	Portal 10.6, ArcGIS Online Web Scene Viewer, ArcGIS API for JavaScript 4.4
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Java 1.8.0_101 Java 1.8.0_111 Java 1.8.0_121	Oracle Binary Code License Agmt	ArcGIS for Server 10.5, Portal for ArcGIS 10.5, ArcGIS Data Store 10.5, ArcGIS for Server 10.5.1, Portal for ArcGIS 10.5.1, ArcGIS Datastore 10.5.1
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Java Server Pages Standard Tag Library	Sun License	ArcGIS 10.3.1 for Server (Spatial Data Server)
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Jimf	MIT	Web AppBuilder for ArcGIS (Developer Edition)
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JogAmp JOGL 2.2.4	New BSD 2-Clause License with other licensed materials	CityEngine 2008-2016
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Nose 1.3.7	LGPL V2.0	AGDT, AGServer,AGEngine 10.4, ArcGIS Pro 1.0
Nscala-time	Apache License 2.0	ArcGIS GeoEvent Extension for Server

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Oculus Mobile SDK 3.2.1	Oculus License	ArcGIS 360 VR
Open Asset Import Library	BSD	Drone2Map
OpenCSV	Apache License 2.0	ArcGIS GeoEvent Extension for Server
OpenCVS 3.6	Apache License 2.0	ArcGIS for Server 10.5
OpenGL Sample Implementation	SGI Free Software License	CityEngine 2016
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
OpenLDAP 2.4.44	OpenLDAP Public License	ArcGIS for Server 10.5
Open-SAN S 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, ArcGIS Runtime SDKs 10.0
Open-Sans	Apache License 2.0	CityEngine 2017.0
OpenSSL	OpenSSL License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 for Server, ArcGIS Runtime SDKs 10.2.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
OpenSSL 1.0.2g	Open SSL License	ArcGIS Engine, ArcGIS Desktop and ArcGIS Server, version 10.4.1, 10.5
OpenSSL 1.0.2h	Open SSL License	ArcGIS Engine, ArcGIS Desktop and ArcGIS Server version 10.5. Also ArcGIS Pro version 1.4, ArcGIS Runtime SDK for Qt, Windows and Linux, Android, iOS-Quartz v. 100.0
OpenSSL 1.0.2j	Open SSL License	ArcGIS Engine, ArcGIS Desktop and ArcGIS Server, Version 10.45, ArcGIS Pro Version 1.4
OSGeo proj.4	MIT	Esri Production Mapping 10.3.1
Otto	Apache License 2.0	Collector for ArcGIS (Android) 10.2.4, Navigator for ArcGIS 2.0
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, AEngine 10.4, ArcGIS Pro 1.0
PAR		
Pdf.js	Apache License 2.0	ArcGIS API for JavaScript
PDFsharp	MIT License	ArcGIS Earth V1.0
PhantomJS.exe 2.1.1	BSD MIT, BSD, OpenSSL, GNU Lesser General Public License (original and 2.1) in dependencies	ArcGIS Pro 2.0
Pillow (python-pillow)	Python License	Drone2Map
Pion Network Library 3.0.19	Boost License	ArcGIS Runtime SDKs 10.2.x
Piwik Android SDK v1.0.2	BSD	Collector, Explorer, Workforce, Navigator, Operations Dashboard
Piwik iOS SDK v3.3.0	MIT	Collector, Explorer, Workforce, Navigator, Operations Dashboard
Piwik Javascript v3.0.0	BSD	Collector, Explorer, Workforce, Navigator, Operations Dashboard
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
Png.js	MIT	ArcGIS API for JavaScript
Pointer Events PolyFill 0.4.1	MIT License (Derivative)	Portal 10.5.1, ArcGIS Online Web Scene Viewer, ArcGIS API for JavaScript 4.2

Poly2Tri	BSD	Production Mapping 10.5.1
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
PostgreSQL 9.3.10	PostgreSQL License	ArcGIS Data Store 10.4.1
PostgreSQL 9.5.3	PostgreSQL License	ArcGIS Desktop 10.5, ArcGIS Enterprise 10.5
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
Prism V5.0.0	Apache V2.0	ArcGIS Earth V1.0
Prism.Composition v5.0.0	Apache V2.0	ArcGIS Earth V1.0
Prism.Interactivity v5.0.0	Apache V2.0	ArcGIS Earth V1.0
Prism.MEFExtensions v5.0.0	Apache V2.0	ArcGIS Earth V1.0
Prism.Mvvm v1.0.0	Apache V2.0	ArcGIS Earth V1.0
Prism.PubSubEvents v1.0.0	Microsoft Custom License	ArcGIS Earth V1.0
PROJ. Version 4.4.8	MIT License	ArcGIS for INSPIRE
Proj.4 V4.9.2	MIT License	CityEngine 2016.0
Promise Polyfill	MIT License	Business Analyst

Prototype	MIT License	ArcGIS 10.3.1 for Server
Prototype Window Class 0.70	MIT License	ArcGIS 10.3.1 for Server
Public Icons	MIT License (Modified)	Open Data Hub Beta
Pug XML Parser 1.0002	Public Domain	ArcGIS 10.3.1 for Server
Put-selector	BSD License	ArcGIS API for JavaScript
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 3.4.4	Python License	Portal for ArcGIS 10.5
Python 3.4.5	Python License	Portal for ArcGIS 10.5
Python 3.5.1	Python License	Drone2Map
Python 4.1.2	Revised BSD	Portal for ArcGIS 10.5

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 License	ArcGIS 10.4 (desktop, server, engine), ArcGIS Pro 1.2
QRCode.js	MIT License	Survey123 Hub v1.10
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
Quartz 2.2.2	Apache License 2.0	Portal for ArcGIS 10.5, ArcGIS Server 10.5
Quartz Enterprise Scheduler.NET 2.3.3	Apache License 2.0	ArcGIS Data Reviewer Server 10.5
RabbitMQ	Mozilla Public License 1.1 https://www.rabbitmq.com/mpl.html	ArcGIS Server 10.3.1, ArcGIS GeoEvent Extension for Server
Reflect-metadata 0.1.3	Apache License 2.0	Insights for ArcGIS 1.0
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)
RGBcolor.js	See use rights statement above for this library	Esri Maps for Cognos, Esri Maps for MicroStrategy
Rome	Apache License 2.0	ArcGIS GeoEvent Extension for Server
Rtree.js	MIT	ArcGIS API for JavaScript
SAAJ 1.1	CDDL + GPL Classpath Exception	Esri Maps for Cognos
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,AGEngine 10.4, ArcGIS Pro 1.0
Select2	MIT	CityEngine 2017.0
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
SharpZipLib	MIT	Drone2Map

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, Navigator for ArcGIS 2.0
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
Symemcached	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)
Swing-layout-1.0.3	LGPL	Esri Maps for Cognos
Swipter	MIT	ArcGIS for Local Gov't; Near Me WAB widget
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
SystemsJS 0.19.27	MIT License	Insights for ArcGIS 1.0
Tao.OpenGL 2.0	MIT License	ArcGIS 10.3.1 for Desktop, ArcGIS 10.3.1 Engine
T-digest 3.0	Apache License 2.0	ArcGIS Data Store 10.5
Tether 1.1.1	MIT License	Insights for ArcGIS 1.0

Thinlet 6.0	GNU Lesser General Public License 2.1	ArcGIS 10.3.1 for Server
Three.js r79	MIT	Portal 10.5, ArcGIS Online Web Scene Viewer, ArcGIS API for JavaScript 4.1
TIFF Image (RDO & Core)/Libtiff 4.0.7	Libtiff License/Public Domain	ArcGIS 10.5.1 for Desktop, ArcGIS Pro 2.0, ArcGIS 10.5.1 for Server,
TingoDB	MIT	ArcGIS WebApp Builder
TrueZip	Apache License 2.0	ArcGIS Runtime SDKs 10.2.x
TSnackBar	Apache License 2.0	Navigator for ArcGIS 2.0
Twix.js	MIT License	Survey123 Hub v1
Ultimate Grid	Code Project Usage License	Esri Production Mapping 10.3.1
UnitsNet	MIT License/code	Drone2Map1.1
Unity Application Block	Apache License 2.0	Drone2Map
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
ViewPageIndicator	Apache License 2.0	Navigator for ArcGIS 2.0

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
Win_iconv	Public Domain	ArcGIS 10.5
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
WPFAnimatedGIF	Apache License 2.0	Drone2Map
WPF Chrome	MSDN Code Gallery Binary	ArcGIS Mobile 10.3.1
WPF Docking Library	CPOL 1.02	ArcLogistics 10.3.1
WPFThemes	MIT License	Drone2Map
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
XMP Core	BSD	Drone2Map
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, AEngine 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, AEngine 10.4
XmlToJson Plugin	MIT License: http://opensource.org/licenses/mit-license.php	ArcGIS GeoEvent Extension for Server, Survey123 Hub v1
XML4C 5.0.0	W3C Software Notice and License	ArcGIS 10.3.1 for Server
XMLBeans (9xmlmeans) 2.6.0	Apache License 2.0	ArcGIS for Server 10.5

XSLT C Library(libxml2)	MIT License	ArcGIS 10.3.1 Engine, ArcGIS 10.3.1 for Server, ArcReader 10.3.1
Xstyle	BSD License	ArcGIS API for JavaScript
XVFB for X11	MIT License	ArcGIS 10.3.1 for Server (Linux)
Xvfb 1.18.3 Xvfb 1.19.0	Modified MIT License MIT License	ArcGIS for Server 10.5, ArcGIS for Server 10.5.1
Zaphoyd WebSocket++/0.7.0	Modified MIT License	ArcGIS Pro 2.0
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
Zlib.js	MIT License	ArcGIS API for JavaScript
Zone.js.0.6.12	MIT License	Insights for ArcGIS 1.0
ZXing CCP	Apache License V2.0	AppStudio for ArcGIS V1.0, Survey 123 for ArcGIS v1
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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