## TIV 4.5.2 - Use of Third-Party Libraries

Name	License Type
@angular/animations 11.0.0 (MIT)	MIT
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@angular/cli 11.0.5 (MIT)	MIT
@angular/common 11.0.0 (MIT)	MIT
@angular/compiler 11.0.0 (MIT)	MIT
@angular/compiler-cli 11.0.0 (MIT)	MIT
@angular/core 11.0.5 (MIT)	MIT
@angular/forms 11.0.0 (MIT)	MIT
@angular/language-service 11.0.0 (MIT)	MIT
@angular/platform-browser 11.0.0 (MIT)	MIT
@angular/platform-browser-dynamic 11.0.0 (MIT)	MIT
@angular/router 11.0.0 (MIT)	MIT
@auth0/angular-jwt 2.1.0 (MIT)	MIT
@ng-idle/core 8.0.0-beta.4 (Apache-2.0)	Apache-2.0
@ng-idle/keepalive 8.0.0-beta.4 (Apache-2.0)	Apache-2.0
@ngrx/effects 9.1.0 (MIT)	MIT
@ngrx/store 9.1.0 (MIT)	MIT
@ngrx/store-devtools 9.1.0 (MIT)	MIT
@ngx-config/core 9.0.0 (MIT)	MIT
@ngx-config/http-loader 9.0.0 (MIT)	MIT
@swimlane/ngx-charts 13.0.4 (MIT)	MIT
@types/jest 24.0.11 (MIT)	MIT
@types/node 13.13.5 (MIT)	MIT
@types/socket.io-client 1.4.36 (MIT)	MIT
abseil-abseil-cpp-20200923.2(Apache-2.0)	Apache-2.0
access_parser 0.0.2.dist (Apache-2.0)	Apache-2.0
aiohttp 3.6.0.dist (Apache-2.0)	Apache-2.0

aioredis 1.3.1.dist (MIT)	MIT
aioresponses 0.6.4.dist (MIT)	MIT
alembic 1.0.10.dist (MIT)	MIT
amitdev-lru-dict-1.1.6(MIT License)	MIT-Style License
angular-resizable-element 3.2.2 (MIT)	MIT
angular-resize-event 1.0.0 (MIT)	MIT
arrow 0.13.1.dist (Apache-2.0)	Apache-2.0
asyncssh 1.18.0 (EPL-2.0)	EPL-2.0
autobahn 19.5.1.dist (MIT)	MIT
backports.zoneinfo-0.2.1(Apache-2.0)	Apache-2.0
beautifulsoup4-4.11.1(MIT)	MIT
body-parser 1.19.0 (MIT)	МІТ
boost-1.75.0(BSL-1.0)	BSL-1.0

cachecontrol 0.12.10 (Apache-2.0)	Apache-2.0
cachetools-2.1.0.dist(MIT License)	MIT-Style License
certifi 2021.10.8.dist (MPL-2.0)	MPL-2.0
click 7.0.dist (BSD-3-Clause)	BSD-3-Clause
combine-reducers-enhanced 0.0.5 (MIT)	MIT
concurrentqueue-1.0.2(BSD-2-Clause)	BSD-2-Clause
construct-construct-2.9.45(MIT)	MIT
containerd.io-1.4.12(Apache-2.0)	Apache-2.0
containers-container-selinux-2.119.2(GPL-2.0)	GPL-2.0
contextlib2 0.5.5 (Python-2.0)	Python-2.0
core-js 2.5.7 (MIT)	MIT
coverage 4.5.3.dist (Apache-2.0)	Apache-2.0
crcmod-1.7.dist(MIT License)	MIT
croniter-0.3.25(MIT)	MIT
crowdclient 0.1.4 (MIT)	MIT
cryptography 2.8.dist (BSD-3-Clause)	BSD-3-Clause
css-element-queries 1.2.3 (MIT)	МІТ

cython 0.29.28.dist (Apache-2.0)	Apache-2.0
d3-4.13.0(ISC)	ISC
d3-selection 1.3.0 (BSD-3-Clause)	BSD-3-Clause
dataclasses 0.7.dist (Apache-2.0)	Apache-2.0
date-fns 1.30.1 (MIT)	MIT
decorator-4.3(BSD-2-Clause)	BSD-2-Clause
defusedxml-0.6(Python-2.0)	Python-2.0
dnslib 0.9.6 (BSD)	BSD-Style License
dnspython 1.15.0.dist (ISC)	ISC
docker-ce-rootless-extras-20.10.14(Apache-2.0)	Apache-2.0
docker-docker-ce-20.10.12(Apache-2.0)	Apache-2.0
docker-scan-cli-plugin-0.17(Apache-2.0)	Apache-2.0
environs-9.3.4(MIT License)	MIT-Style License
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Files under Apache License 2.0 (Apache-2.0)	Apache-2.0
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flasgger 0.9.4.dist (MIT)	MIT
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flask-script-2.0.5(BSD)	BSD-Style License
fuse-libs-3.6.1(LGPL-2.0+)	LGPL-2.0+
fuse-overlayfs 0.7.2 (GPL-3.0+)	GPL-3.0+
gprof2dot-20170919(LGPL-3.0)	LGPL-3.0
gunicorn-19.10.0.dist(MIT-Style License)	MIT-Style License
highcharts-angular-2.4.0(Commercial License)	Other/Commercial
highcharts-highcharts-9(Commercial License)	Other/Commercial
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ipdb-0.11(BSD)	BSD-Style License
ipython 5.6.0 (BSD)	BSD-Style License
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jest 26.4.2 (MIT)	MIT
jinja2 2.10.1.dist (BSD-3-Clause)	BSD-3-Clause
joewalnes-smoothie 1.35.0 (MIT)	MIT
jsonpickle 1.0 (BSD-3-Clause)	BSD-3-Clause
jwthenticator 1.0.2.dist (Apache-2.0)	Apache-2.0
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libicu-devel69-69.1(ICU)	ICU
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more-itertools-7(MIT)	MIT
msgpack 0.6.2 (Apache-2.0)	Apache-2.0
msgpack-3.3.0(BSL-1.0)	BSL-1.0
mypy_extensions 0.4.3.dist (MIT)	MIT
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pywbem 1.1.0.dist (LGPL-2.1)	LGPL-2.1
qualname-0.1.0(BSD-3-Clause)	BSD-3-Clause
r1chardj0n3s-parse-1.8.2.dist(MIT)	MIT
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replace-in-file 3.4.4 (MIT)	MIT
request 2.88.2 (Apache-2.0)	Apache-2.0
requests 2.24.0.dist (Apache-2.0)	Apache-2.0

requests-toolbelt-0.9.1(Apache-2.0)	Apache-2.0
rootless-containers-slirp4netns-0.4.3(GPL-2.0)	GPL-2.0

rxjs 6.5.3 (Apache-2.0)	Apache-2.0
screen 4.1.0 (GPL-2.0+)	GPL-2.0+
service_identity 18.1.0.dist (MIT License)	MIT-Style License
simpleamqpclient 2.5.1 (MIT License)	MIT-Style License
simplejson-3.16.0.dist(MIT)	MIT
six-1.14.0.dist(MIT)	MIT
skozlovf-flask-json-0.3.3(BSD)	BSD-Style License
snyk 1.571.0 (Apache-2.0)	Apache-2.0
socket.io 3.1.2 (MIT License)	MIT-Style License
socket.io-client 3.1.2 (MIT)	MIT
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sqlparse 0.3.0.dist (BSD-3-Clause)	BSD-3-Clause
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ssl-root-cas 1.3.1 (Apache-2.0)	Apache-2.0
stevvooe-continuity-1.4.12(Apache-2.0)	Apache-2.0
tartley-colorama-0.3.9(BSD)	BSD-Style License
tenacity-8.0.1(Apache-2.0)	Apache-2.0
tls_parser-1.2.1(MIT)	MIT
ts-jest 26.5.2 (MIT)	MIT
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tslib 2.0.0 (0BSD)	OBSD
tslint 5.20.1 (Apache-2.0)	Apache-2.0
twisted 20.3.0 (MIT License)	MIT-Style License
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types-dataclasses-0.6.5 (Apache-2.0)	Apache-2.0

typescript 4.0.5 (Apache-2.0)	Apache-2.0
ua-parser-uap-python-0.8(Apache-2.0)	Apache-2.0
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xxhash 1.3.0.dist (BSD-2-Clause)	BSD-2-Clause
zipp 0.6.0 (MIT)	MIT
zone.js 0.10.3 (MIT)	MIT

## TIV 4.5.2 - Third-Party Notices Report

@angular/animations 11.0.0 (MIT)

https://www.npmjs.com/package/@angular/animations

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@angular/cdk 11.0.4 (MIT)

https://www.npmjs.com/package/@angular/cdk

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@angular/compiler 11.0.0 (MIT) https://www.npmjs.com/package/@angular/compiler

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https://www.npmjs.com/package/@angular/compiler-cli

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@angular/core 11.0.5 (MIT)

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@angular/forms 11.0.0 (MIT)

https://www.npmjs.com/package/@angular/forms

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@angular/language-service 11.0.0 (MIT)

https://www.npmjs.com/package/@angular/language-service

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https://www.npmjs.com/package/@angular/platform-browser-dynamic

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https://www.npmjs.com/package/@angular/router

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@auth0/angular-jwt 2.1.0 (MIT)

https://www.npmjs.com/package/@auth0/angular-jwt

The following text is found in file:LICENSE at /tw-src/tiv-3pllatest/node\_modules/@auth0/angularjwt/LICENSE

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@ng-idle/core 8.0.0-beta.4 (Apache-2.0)

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@swimlane/ngx-charts 13.0.4 (MIT)

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@types/jest 24.0.11 (MIT)

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@types/socket.io-client 1.4.36 (MIT)

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abseil-abseil-cpp-20200923.2(Apache-2.0)

https://github.com/abseil/abseil-cpp

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access\_parser 0.0.2.dist (Apache-2.0)

https://github.com/claroty/access\_parser

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aiohttp 3.6.0.dist (Apache-2.0)

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angular-resizable-element 3.2.2 (MIT)

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cachecontrol 0.12.10 (Apache-2.0)

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contextlib2 0.5.5 (Python-2.0)

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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 nonprofit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived	Year	Owner	GPL-
from		compatible? (1)		

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	
	0.011	2005	1 01	yes
3.1.1	3.1	2009	PSF	yes
3.1.1 3.1.2				
	3.1	2009	PSF	yes
3.1.2	3.1 3.1.1	2009 2010	PSF PSF	yes yes
3.1.2 3.1.3	3.1 3.1.1 3.1.2	2009 2010 2010	PSF PSF PSF	yes yes yes
3.1.2 3.1.3 3.1.4	<ul><li>3.1</li><li>3.1.1</li><li>3.1.2</li><li>3.1.3</li></ul>	2009 2010 2010 2011	PSF PSF PSF PSF	yes yes yes yes
3.1.2 3.1.3 3.1.4 3.2	<ul> <li>3.1</li> <li>3.1.1</li> <li>3.1.2</li> <li>3.1.3</li> <li>3.1</li> </ul>	2009 2010 2010 2011 2011	PSF PSF PSF PSF	yes yes yes yes yes

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date-fns 1.30.1 (MIT)

https://www.npmjs.com/package/date-fns

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defusedxml-0.6(Python-2.0)

https://github.com/tiran/defusedxml

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dnslib 0.9.6 (BSD)

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dnspython 1.15.0.dist (ISC)

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ipaddress-1.0.7(Python-2.0) https://github.com/phihag/ipaddress

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ldap3 2.5.1.dist (LGPL-3.0+)

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xvt variant

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luxon 1.23.0 (MIT)

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madler-zlib 1.2.11 (Zlib)

https://github.com/madler/zlib

The following text is found in file:README at /twsrc/140/cpp\_deps/data/boost/1.74.0/\_/\_/source/source\_subfolder/tools/boost\_install/test/iost rea ms/zlib-1.2.11/README

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe.The data format used by the zlib library is described by RFCs(Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950(zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

All functions of the compression library are documented in the file zlib.h (volunteer to write man pages welcome, contact zlib@gzip.org). A usage example of the library is given in the file test/example.c which also tests that the library is working correctly. Another example is given in the file test/minigzip.c. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of Makefile.in. In short "./configure; make test", and if that goes well, "make install" should work for most flavors of Unix. For Windows, use one of the special makefiles in win32/ or contrib/vstudio/. For VMS, use make\_vms.com.

Questions about zlib should be sent to , or to Gilles Vollant for the Windows DLL version. The zlib home page is http://zlib.net/. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib\_faq.html before asking for help.

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Mark Nelson wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available at http://marknelson.us/1997/01/01/zlib-engine/.

The changes made in version 1.2.11 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/.

zlib is available in Java using the java.util.zip package, documented at http://java.sun.com/developer/technicalArticles/Programming/compression/.

A Perl interface to zlib written by Paul Marquess is available at CPAN (Comprehensive Perl Archive Network) sites, including http://search.cpan.org/~pmqs/IO-Compress-Zlib/.

A Python interface to zlib written by A.M. Kuchling is available in Python 1.5 and later versions, see http://docs.python.org/library/zlib.html .

zlib is built into tcl: http://wiki.tcl.tk/4610.

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant , is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt

- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers.
   Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see http://palmzlib.sourceforge.net/

## Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu

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marshmallow 3.9.1.dist (MIT License)

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marshmallow\_dataclass 8.4.2.dist (MIT)

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microsoft-gsl-3.1(MIT)

https://github.com/microsoft/GSL

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msgpack 0.6.2 (Apache-2.0)

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https://github.com/cedadev/ndg\_httpsclient

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nemtrif-utfcpp-3.1.2(BSL-1.0)

https://github.com/nemtrif/utfcpp

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netaddr-0.7.19(MIT)

https://github.com/drkjam/netaddr

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https://github.com/al45tair/netifaces

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netunnel 1.1.0 (Apache-2.0)

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ngrx-store-logger 0.2.3 (MIT)

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ngx-page-scroll 7.0.1 (MIT)

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https://github.com/nlohmann/json

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olefile 0.44 (BSD)

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openssl 1.1.1i (OpenSSL)

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paramiko 2.7.1.dist (LGPL-2.1)

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primeicons 2.0.0 (MIT)

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primeng 9.1.3 (MIT)

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Version

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pymysql-pymysql-0.7.9(MIT)

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pytest-aiohttp-0.3(Apache-2.0)

https://github.com/aio-libs/pytest-aiohttp

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python-dateutil-2.7.3(BSD)

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\*\*\*\*\*\*\*

qualname-0.1.0(BSD-3-Clause)

https://github.com/wbolster/qualname

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replace-in-file 3.4.4 (MIT)

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request 2.88.2 (Apache-2.0)

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https://github.com/spoqa/sqlalchemy-enum34

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tls\_parser-1.2.1(MIT)

https://github.com/nabla-c0d3/tls\_parser

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tyler-tee-clarotycc-1.0.1(GPL-3.0)

https://github.com/tyler-tee/ClarotyCC

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ua-parser-uap-python-0.8(Apache-2.0)

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ujson 1.35 (BSD)

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