

3rd-Party Software Report for **splunk-add-on-for-google-workspace**

This document lists the open source software and other third-party components used in splunk-add-on-for-google-workspace.

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July 28, 2026

Revision
90954ac80d4c91fe21cf23a8992eba78f3a55404

Dependencies Summary

This section shows the summary of all packages in splunk-add-on-for-google-workspace.

Package	Declared License(s)	Discovered License(s)
PySocks 1.7.1	BSD-3-Clause	Apache-2.0
certifi 2026.5.20	MPL-2.0	None
cffi 2.0.0	MIT, mit-0	None
charset-normalizer 3.4.7	MIT	None
cryptography 46.0.7	Apache-2.0	None
defusedxml 0.7.1	None	PSF-2.0
deprecation 2.1.0	Apache-2.0	None
google-api-core 2.30.3	Apache-2.0	None
google-api-python-client 2.198.0	Apache-2.0	None
google-auth 2.50.0	Apache-2.0	None

google-auth-http2 0.2.0	Apache-2.0	None
google-auth-oauthlib 1.2.2	Apache-2.0	None
google-cloud-bigquery 3.41.0	Apache-2.0	None
google-cloud-core 2.5.1	Apache-2.0	None
google-crc32c 1.8.0	Apache-2.0	None
google-resumable-media 2.8.2	Apache-2.0	None
googleapis-common-protos 1.75.0	Apache-2.0	None
grpcio 1.80.0	BSD-3-Clause, MPL-2.0, Apache-2.0	apache-2.0 WITH llvm-exception, MIT, ISC, APSL-2.0, BSD-2-Clause, Info-ZIP, mit-old-style, mit-old-style-no-advert, Zlib
grpcio-status 1.80.0	MPL-2.0, Apache-2.0, BSD-3-Clause	None
http2 0.31.2	MIT	GPL-2.0-only
idna 3.7	BSD-3-Clause	None
importlib-metadata 6.11.0	Apache-2.0	None
oauthlib 3.3.1	BSD-3-Clause	None
opentelemetry-api 1.41.1	Apache-2.0	None
opentelemetry-exporter-otlp-proto-common 1.41.1	Apache-2.0	None
opentelemetry-exporter-otlp-proto-grpc 1.41.1	Apache-2.0	None
opentelemetry-proto 1.41.1	Apache-2.0	None

<u>opentelemetry-sdk 1.41.1</u>	Apache-2.0	None
<u>opentelemetry-semantic-conventions 0.62b1</u>	Apache-2.0	None
<u>packaging 26.2</u>	Apache-2.0	None
<u>proto-plus 1.27.2</u>	Apache-2.0	None
<u>protobuf 6.33.6</u>	BSD-3-Clause, Protobuf	MIT
<u>pyasn1 0.6.3</u>	BSD-2-Clause	None
<u>pyasn1-modules 0.4.2</u>	BSD-3-Clause	BSD-2-Clause
<u>pycparser 2.23</u>	BSD-3-Clause	None
<u>pyparsing 3.3.2</u>	MIT	BSD-3-Clause, MIT-CMU, public-domain
<u>python-dateutil 2.9.0.post0</u>	BSD-3-Clause, Apache-2.0	None
<u>pytz 2023.3</u>	MIT	public-domain
<u>requests 2.32.5</u>	Apache-2.0	None
<u>requests-oauthlib 2.0.0</u>	ISC	None
<u>six 1.16.0</u>	MIT	None
<u>solnlib 8.1.0</u>	Apache-2.0	None
<u>sortedcontainers 2.4.0</u>	Apache-2.0	None
<u>splunk-sdk 2.1.0</u>	Apache-2.0	None
<u>splunktaucclib 8.2.0</u>	Apache-2.0	None
<u>typing-extensions 4.15.0</u>	Python-2.0	None
<u>uritemplate 4.2.0</u>	BSD-3-Clause, Apache-2.0	None

urllib3 1.26.19	MIT	None
zipp 3.23.1	MIT	None

Dependencies Details

This section shows the details for each package in splunk-add-on-for-google-workspace.

cryptography 46.0.7

pip+cryptography\$46.0.7 •

Direct

Description

pyca/cryptography ===== .. image::
https://img.shields.io/pypi/v/cryptography.svg :target:
https://pypi.org/project/cryptography/ :alt: Latest Version ..
image::
https://readthedocs.org/projects/cryptography/badge/?
version=latest :target: https://cryptography.io :alt: Latest Docs ..
image::
https://github.com/pyca/cryptography/workflows/CI/badge.svg?
branch=main :target:
https://github.com/pyca/cryptography/actions?
query=workflow%3ACI+branch%3Amain`cryptography` is a
package which provides cryptographic recipes and primitives to
Python developers. Our goal is for it to be your "cryptographic
standard library". It supports Python 3.7+ and PyPy3 7.3.11+.
`cryptography` includes both high level recipes and low level
interfaces to common cryptographic algorithms such as
symmetric ciphers, message digests, and key derivation
functions. For example, to encrypt something with
`cryptography`'s high level symmetric encryption recipe: .. code-
block:: pycon >>> from cryptography.fernet import Fernet >>> #
Put this somewhere safe! >>> key = Fernet.generate_key() >>> f
= Fernet(key) >>> token = f.encrypt(b"A really secret message.
Not for prying eyes.") >>> token b'...' >>> f.decrypt(token) b'A
really secret message. Not for prying eyes.' You can find more
information in the `documentation`. You can install `cryptography`
with: .. code-block:: console \$ pip install cryptography For full
details see the installation documentation. Discussion
~~~~~ If you run into bugs, you can file them in our issue  
tracker. We maintain a `cryptography-dev` mailing list for  
development discussion. You can also join #pyca on  
irc.libera.chat to ask questions or get involved. Security  
~~~~~ Need to report a security issue? Please consult our  
`security reporting` documentation. .. _documentation:
https://cryptography.io/ .. _the installation documentation:
https://cryptography.io/en/latest/installation/ .. _issue tracker:
https://github.com/pyca/cryptography/issues .. _cryptography-
dev: https://mail.python.org/mailman/listinfo/cryptography-dev
.. _security reporting:
https://cryptography.io/en/latest/security/

Package Info

| | |
|----------------------|--|
| Package Author(s) | The Python Cryptographic Authority and individual contributors
<cryptography-dev@python.org> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/cryptography/ |
| Package Download URL | https://files.pythonhosted.org/packages/47/93/ac8f3d5ff04d54bc814e961a43ae5b0b146154c89c61b47bb07557679b18/cryptography-46.0.7.tar.gz |
| Dependency Path | cryptography, google-api-core > google-auth > cryptography,
google-api-python-client > google-api-core > google-auth >
cryptography, google-api-python-client > google-auth >
cryptography, google-api-python-client > google-auth-http2 >
google-auth > cryptography, google-auth > cryptography,
google-auth-http2 > google-auth > cryptography, google-
auth-oauthlib > google-auth > cryptography, google-cloud-
bigquery > google-auth > cryptography, google-cloud-bigquery
> google-cloud-core > google-auth > cryptography |

Declared License(s)

Apache-2.0

Copyright(s) None

Discovered License(s)

None

Notice File(s)

None

google-api-core 2.30.3

pip+google-api-core\$2.30.3 • [Direct](#)

Description

Google API client core library

Package Info

| | |
|----------------------|---|
| Package Author(s) | Google LLC <googleapis-packages@google.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/google-api-core/ |
| Package Download URL | https://files.pythonhosted.org/packages/03/15/e56f351cf6ef1cfea58e6ac226a7318ed1deb2218c4b3cc9bd9e4b786c5a/google_api_core-2.30.3-py3-none-any.whl |
| Dependency Path | google-api-core, google-api-python-client > google-api-core, google-cloud-bigquery > google-api-core, google-cloud-bigquery > google-cloud-core > google-api-core |

Declared License(s)

Apache-2.0

Copyright(s) 2017 Google LLC

Discovered License(s)

None

Notice File(s)

None

google-api-python-client 2.198.0

pip+google-api-python-client\$2.198.0
•
Direct

Description

Google API Client Library for Python

Package Info

| | |
|----------------------|---|
| Package Author(s) | googleapis-packages@google.com |
| Package Manager | Pip |
| Project URL | https://github.com/googleapis/google-api-python-client/ |
| Package Download URL | https://files.pythonhosted.org/packages/6b/53/0cd38e3a29d72ce45e27feba2ce1cd8049d69af9c48cb14fb164f1be9133/google-api-python-client-2.198.0-py3-none-any.whl |

[oogle_api_python_client-2.198.0.tar.gz](#)

Dependency Path google-api-python-client

Declared License(s)

Apache-2.0

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Discovered License(s)

None

Notice File(s)

None

google-auth 2.50.0

pip+google-auth\$2.50.0 • [Direct](#)

Description

Google Authentication Library

Package Info

Package Author(s) googleapis-packages@google.com

Package Manager Pip

Project URL <https://github.com/googleapis/google-cloud-python/tree/main/packages/google-auth>

Package Download URL https://files.pythonhosted.org/packages/5f/18/238d7021d151bdab868f23433817b027dd759135202f4dfce0670d1230ca/google_auth-2.50.0.tar.gz

| | |
|-----------------|--|
| Dependency Path | google-api-core > google-auth, google-api-python-client > google-api-core > google-auth, google-api-python-client > google-auth, google-api-python-client > google-auth-httpplib2 > google-auth, google-auth, google-auth-httpplib2 > google-auth, google-auth-oauthlib > google-auth, google-cloud-bigquery > google-api-core > google-auth, google-cloud-bigquery > google-auth, google-cloud-bigquery > google-cloud-core > google-auth |
|-----------------|--|

Declared License(s)

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| Copyright(s) | 2016 Google LLC |
|--------------|-----------------|

Discovered License(s)

None

Notice File(s)

None

google-auth-httpplib2 0.2.0

pip+google-auth-httpplib2\$0.2.0 • Direct

Description

Google Authentication Library: httpplib2 transport

Package Info

| | |
|-------------------|--------------------------------|
| Package Author(s) | googleapis-packages@google.com |
|-------------------|--------------------------------|

| | |
|-----------------|-----|
| Package Manager | Pip |
|-----------------|-----|

| | |
|-------------|---|
| Project URL | https://github.com/googleapis/google-cloud-python/packages/google-auth-httpplib2 |
|-------------|---|

| | |
|----------------------|---|
| Package Download URL | https://files.pythonhosted.org/packages/56/be/217a598a818567b28e859ff087f347475c807a5649296fb5a817c58dacef/google-auth-httpplib2-0.2.0.tar.gz |
|----------------------|---|

| | |
|-----------------|---|
| Dependency Path | google-api-python-client > google-auth-httpplib2, google-auth-httpplib2 |
|-----------------|---|

Declared License(s)

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Discovered License(s)

None

Notice File(s)

None

google-auth-oauthlib 1.2.2

pip+google-auth-oauthlib\$1.2.2 • Direct

Description

Google Authentication Library

Package Info

Package Author(s) googleapis-packages@google.com

Package Manager Pip

Project URL <https://github.com/googleapis/google-cloud-python/tree/main/packages/google-auth-oauthlib>

Package Download URL https://files.pythonhosted.org/packages/fb/87/e10bf24f7bcffc1421b84d6f9c3377c30ec305d082cd737ddaa6d8f77f7c/google_auth_oauthlib-1.2.2.tar.gz

Dependency Path google-auth-oauthlib

Declared License(s)

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None

Notice File(s)

None

google-cloud-bigquery 3.41.0

pip+google-cloud-bigquery\$3.41.0 •

Direct

Description

Google BigQuery API client library

Package Info

| | |
|----------------------|---|
| Package Author(s) | Google LLC <googleapis-packages@google.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/google-cloud-bigquery/ |
| Package Download URL | https://files.pythonhosted.org/packages/ce/13/6515c7aab55a4a0cf708ffd309fb9af5bab54c13e32dc22c5acd6497193c/google_cloud_bigquery-3.41.0.tar.gz |
| Dependency Path | google-cloud-bigquery |

Declared License(s)

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| Apache-2.0 | |
| Copyright(s) | 2024 Google LLC |

Discovered License(s)

None

Notice File(s)

None

idna 3.7

pip+idna\$3.7 •

Direct

Description

Internationalized Domain Names in Applications (IDNA)

Package Info

| | |
|----------------------|---|
| Package Author(s) | Kim Davies <kim+pypi@gumleaf.org> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/idna/ |
| Package Download URL | https://files.pythonhosted.org/packages/21/ed/f86a79a07470cb07819390452f178b3bef1d375f2ec021ecfc709fc7cf07/idna-3.7.tar.gz |
| Dependency Path | google-api-core > requests > idna, google-api-python-client > google-api-core > requests > idna, google-auth-oauthlib > requests-oauthlib > requests > idna, google-cloud-bigquery > google-api-core > requests > idna, google-cloud-bigquery > google-cloud-core > google-api-core > requests > idna, google-cloud-bigquery > requests > idna, idna, requests > idna |

Declared License(s)

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|--------------|--|
| BSD-3-Clause | |
| Copyright(s) | 2013-2024 Kim Davies and contributors. |

Discovered License(s)

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| None |
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Notice File(s)

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| None |
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pyasn1 0.6.3

pip+pyasn1\$0.6.3 • Direct

Description

Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

Package Info

| | |
|----------------------|--|
| Package Author(s) | Ilya Etingof <etingof@gmail.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/pyasn1/ |
| Package Download URL | https://files.pythonhosted.org/packages/5c/5f/6583902b6f79b399c9c40674ac384fd9cd77805f9e6205075f828ef11fb2/pyasn1-0.6.3.tar.gz |
| Dependency Path | google-api-core > google-auth > pyasn1-modules > pyasn1, google-api-python-client > google-auth > pyasn1-modules > pyasn1, google-api-python-client > google-auth-httpplib2 > google-auth > pyasn1-modules > pyasn1, google-auth > pyasn1-modules > pyasn1, google-auth-httpplib2 > google-auth > pyasn1-modules > pyasn1, google-auth-oauthlib > google-auth > pyasn1-modules > pyasn1, google-cloud-bigquery > google-auth > pyasn1-modules > pyasn1, google-cloud-bigquery > google-cloud-core > google-auth > pyasn1-modules > pyasn1, pyasn1, pyasn1-modules > pyasn1 |

Declared License(s)

BSD-2-Clause

Copyright(s) extended to 2017

Discovered License(s)

None

Notice File(s)

None

pyasn1-modules 0.4.2

pip+pyasn1-modules\$0.4.2 • Direct

Description

A collection of ASN.1-based protocols modules

Package Info

Package Author(s) etingof@gmail.com

| | |
|----------------------|--|
| Package Manager | Pip |
| Project URL | https://github.com/pyasn1/pyasn1-modules |
| Package Download URL | https://files.pythonhosted.org/packages/e9/e6/78ebbb10a8c8e4b61a59249394a4a594c1a7af95593dc933a349c8d00964/pyasn1_modules-0.4.2.tar.gz |
| Dependency Path | google-api-core > google-auth > pyasn1-modules, google-api-python-client > google-api-core > google-auth > pyasn1-modules, google-api-python-client > google-auth > pyasn1-modules, google-api-python-client > google-auth-httpplib2 > google-auth > pyasn1-modules, google-auth > pyasn1-modules, google-auth-httpplib2 > google-auth > pyasn1-modules, google-auth-oauthlib > google-auth > pyasn1-modules, google-cloud-bigquery > google-auth > pyasn1-modules, google-cloud-bigquery > google-cloud-core > google-auth > pyasn1-modules, pyasn1-modules |

Declared License(s)

BSD-3-Clause

Copyright(s) None

Discovered License(s)

BSD-2-Clause

Copyright(s) added to source files

Notice File(s)

None

pytz 2023.3

pip+pytz\$2023.3 •

Direct

Description

World timezone definitions, modern and historical

Package Info

Package Author(s) stuart@stuartbishop.net

| | |
|----------------------|---|
| Package Manager | Pip |
| Project URL | http://pythonhosted.org/pytz |
| Package Download URL | https://files.pythonhosted.org/packages/5e/32/12032aa8c673ee16707a9b6cdda2b09c0089131f35af55d443b6a9c69c1d/pytz-2023.3.tar.gz |
| Dependency Path | pytz |

Declared License(s)

MIT

Copyright(s) 2003-2019 Stuart Bishop <stuart@stuartbishop.net>

Discovered License(s)

public-domain

Copyright(s) None

Notice File(s)

None

requests 2.32.5

pip+requests\$2.32.5 • [Direct](#)

Description

Python HTTP for Humans.

Package Info

| | |
|----------------------|---|
| Package Author(s) | Kenneth Reitz <me@kennethreitz.org> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/requests/ |
| Package Download URL | https://files.pythonhosted.org/packages/c9/74/b3ff8e6c8446842c3f5c837e9c3dfcfe2018ea6ecef224c710c85ef728f4/requests-2.32.5.tar.gz |

| | |
|-----------------|--|
| Dependency Path | google-api-core > requests, google-api-python-client > google-api-core > requests, google-auth-oauthlib > requests-oauthlib > requests, google-cloud-bigquery > google-api-core > requests, google-cloud-bigquery > google-cloud-core > google-api-core > requests, google-cloud-bigquery > requests, requests |
|-----------------|--|

Declared License(s)

Apache-2.0

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| Copyright(s) | None |
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Discovered License(s)

None

Notice File(s)

NOTICE

| | |
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| File Path | NOTICE |
|-----------|--------|

| | |
|-------------|--|
| Notice Text | Requests
Copyright 2019 Kenneth Reitz |
|-------------|--|

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| Copyright(s) | Copyright © 2019 Kenneth Reitz |
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solnlib 8.1.0

pip+solnlib\$8.1.0 •

Direct

Description

The Splunk Software Development Kit for Splunk Solutions

Package Info

| | |
|-------------------|-------------------------|
| Package Author(s) | addonfactory@splunk.com |
|-------------------|-------------------------|

| | |
|-----------------|-----|
| Package Manager | Pip |
|-----------------|-----|

| | |
|-------------|---|
| Project URL | https://github.com/splunk/addonfactory-solutions-library-python |
|-------------|---|

| | |
|----------------------|---|
| Package Download URL | https://files.pythonhosted.org/packages/21/3c/5501f1d50fae9c6ce9150d711e6d0120cbef6856275132e16b911ebddd9c/ |
|----------------------|---|

[solnlib-8.1.0.tar.gz](#)

Dependency Path solnlib, splunktaucclib > solnlib

Declared License(s)

Apache-2.0

Copyright(s) 2021 Splunk Inc.

Discovered License(s)

None

Notice File(s)

None

splunk-sdk 2.1.0

pip+splunk-sdk\$2.1.0 • [Direct](#)

Description

None

Package Info

Package Author(s) devinfo@splunk.com

Package Manager Pip

Project URL <http://github.com/splunk/splunk-sdk-python>

Package Download URL <https://files.pythonhosted.org/packages/2c/89/31974e00319b750a5a126717d286e8addb683554454fed1ae6c86977cbcf/splunk-sdk-2.1.0.tar.gz>

Dependency Path solnlib > splunk-sdk, splunk-sdk, splunktaucclib > solnlib > splunk-sdk, splunktaucclib > splunk-sdk

Declared License(s)

Apache-2.0

Copyright(s) 2011-2015 Splunk, Inc.

Discovered License(s)

None

Notice File(s)

None

splunktaucclib 8.2.0

pip+splunktaucclib\$8.2.0 • [Direct](#)

Description

None

Package Info

Package Author(s) addonfactory@splunk.com

Package Manager Pip

Project URL <https://pypi.org/project/splunktaucclib/>

Package Download URL <https://files.pythonhosted.org/packages/a1/c5/7dbb204b45a8c5dbb999119fbe64ae643e9fa22be8f4f21f63dbc5345862/splunktaucclib-8.2.0.tar.gz>

Dependency Path splunktaucclib

Declared License(s)

Apache-2.0

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Discovered License(s)

None

Notice File(s)

None

urllib3 1.26.19

pip+urllib3\$1.26.19 • [Direct](#)

Description

```
<h1 align="center"> ![urllib3]
(https://github.com/urllib3/urllib3/raw/main/docs/_static/banner_github.svg)
</h1> <p align="center"> <a
href="https://pypi.org/project/urllib3"></a> <a href="https://pypi.org/project/urllib3"></a> <a href="https://discord.gg/urllib3">
</a> <a
href="https://github.com/urllib3/urllib3/actions?
query=workflow%3ACI"></a> <a href="https://github.com/urllib3/urllib3/actions?
query=workflow%3ACI"></a> <a href="https://urllib3.readthedocs.io"></a><br> <a
href="https://deps.dev/pypi/urllib3"></a> <a href="https://slsa.dev"></a> <a
href="https://bestpractices.coreinfrastructure.org/projects/6227">
</a> </p> urllib3 is a powerful, *user-friendly* HTTP client for
Python. Much of the Python ecosystem already uses urllib3 and
you should too. urllib3 brings many critical features that are
missing from the Python standard libraries: - Thread safety. -
Connection pooling. - Client-side SSL/TLS verification. - File
uploads with multipart encoding. - Helpers for retrying requests
and dealing with HTTP redirects. - Support for gzip, deflate,
brotli, and zstd encoding. - Proxy support for HTTP and SOCKS.
- 100% test coverage. urllib3 is powerful and easy to use:
python3 >>> import urllib3 >>> resp = urllib3.request("GET",
"http://httpbin.org/robots.txt") >>> resp.status 200 >>>
resp.data b"User-agent: *\nDisallow: /deny\n" `## Installing
urllib3 can be installed with [pip](https://pip.pypa.io): bash $
python -m pip install urllib3 `Alternatively, you can grab the
latest source code from [GitHub]
(https://github.com/urllib3/urllib3): bash $ git clone
https://github.com/urllib3/urllib3.git $ cd urllib3 $ pip install . `
```

Documentation urllib3 has usage and reference documentation at [urllib3.readthedocs.io] (<https://urllib3.readthedocs.io>). ## Community urllib3 has a [community Discord channel](<https://discord.gg/urllib3>) for asking questions and collaborating with other contributors. Drop by and say hello ☐ ## Contributing urllib3 happily accepts contributions. Please see our [contributing documentation] (<https://urllib3.readthedocs.io/en/latest/contributing.html>) for some tips on getting started. ## Security Disclosures To report a security vulnerability, please use the [Tidelift security contact] (<https://tidelift.com/security>). Tidelift will coordinate the fix and disclosure with maintainers. ## Maintainers - [@sethmlarson] (<https://github.com/sethmlarson>) (Seth M. Larson) - [@pquentin] (<https://github.com/pquentin>) (Quentin Pradet) - [@illia-v] (<https://github.com/illia-v>) (Illia Volochii) - [@theacodes] (<https://github.com/theacodes>) (Thea Flowers) - [@haikuginger] (<https://github.com/haikuginger>) (Jess Shapiro) - [@lukasa] (<https://github.com/lukasa>) (Cory Benfield) - [@sigmavirus24] (<https://github.com/sigmavirus24>) (Ian Stapleton Cordasco) - [@shazow](<https://github.com/shazow>) (Andrey Petrov) ☐ ## Sponsorship If your company benefits from this library, please consider [sponsoring its development] (<https://urllib3.readthedocs.io/en/latest/sponsors.html>). ## For Enterprise Professional support for urllib3 is available as part of the [Tidelift Subscription][1]. Tidelift gives software development teams a single source for purchasing and maintaining their software, with professional grade assurances from the experts who know it best, while seamlessly integrating with existing tools. [1]: https://tidelift.com/subscription/pkg/pypi-urllib3?utm_source=pypi-urllib3&utm_medium=referral&utm_campaign=readme

Package Info

| | |
|----------------------|---|
| Package Author(s) | Andrey Petrov < andrey.petrov@shazow.net > |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/urllib3/ |
| Package Download URL | https://files.pythonhosted.org/packages/c8/93/65e479b023b6c46dab3e092bda6b0005424ea3217d711964ccdede3f9b1b/urllib3-1.26.19.tar.gz |
| Dependency Path | google-api-core > requests > urllib3, google-api-python-client > google-api-core > requests > urllib3, google-auth-oauthlib > requests-oauthlib > requests > urllib3, google-cloud-bigquery > |

google-api-core > requests > urllib3, google-cloud-bigquery >
google-cloud-core > google-api-core > requests > urllib3,
google-cloud-bigquery > requests > urllib3, requests > urllib3,
splunktaucclib > urllib3, urllib3

Declared License(s)

MIT

Copyright(s)

2008-2020 Andrey Petrov and contributors (see
CONTRIBUTORS.txt)

Discovered License(s)

None

Notice File(s)

None

Description

Python package for providing Mozilla's CA Bundle.

Package Info

| | |
|----------------------|--|
| Package Author(s) | me@kennethreitz.com |
| Package Manager | Pip |
| Project URL | https://github.com/certifi/python-certifi |
| Package Download URL | https://files.pythonhosted.org/packages/f3/ce/ee2ecad540810a79593028e88299baeae54d346cc7a0d94b6199988b89b1/certifi-2026.5.20.tar.gz |
| Dependency Path | google-api-core > requests > certifi, google-api-python-client > google-api-core > requests > certifi, google-auth-oauthlib > requests-oauthlib > requests > certifi, google-cloud-bigquery > google-api-core > requests > certifi, google-cloud-bigquery > google-cloud-core > google-api-core > requests > certifi, google-cloud-bigquery > requests > certifi, requests > certifi |

Declared License(s)

| | |
|--------------|------|
| MPL-2.0 | |
| Copyright(s) | None |

Discovered License(s)

None

Notice File(s)

None

Description

Foreign Function Interface for Python calling C code.

Package Info

| | |
|----------------------|--|
| Package Author(s) | Armin Rigo, Maciej Fijalkowski |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/cffi/ |
| Package Download URL | https://files.pythonhosted.org/packages/eb/56/b1ba7935a17738ae8453301356628e8147c79dbb825bcbcb73dc7401f9846/cffi-2.0.0.tar.gz |
| Dependency Path | cryptography > cffi, google-api-core > google-auth > cryptography > cffi, google-api-python-client > google-api-core > google-auth > cryptography > cffi, google-api-python-client > google-auth > cryptography > cffi, google-api-python-client > google-auth-http2 > google-auth > cryptography > cffi, google-auth > cryptography > cffi, google-auth-http2 > google-auth > cryptography > cffi, google-auth-oauthlib > google-auth > cryptography > cffi, google-cloud-bigquery > google-auth > cryptography > cffi, google-cloud-bigquery > google-cloud-core > google-auth > cryptography > cffi |

Declared License(s)

| | |
|--------------|--------------------------------------|
| MIT | |
| Copyright(s) | 2011, 2014, 2019, 2021 Anthony Green |

mit-0

| | |
|--------------|------|
| Copyright(s) | None |
|--------------|------|

Discovered License(s)

None

Notice File(s)

None

charset-normalizer 3.4.7

pip+charset-normalizer\$3.4.7 •

Transitive

Description

The Real First Universal Charset Detector. Open, modern and actively maintained alternative to Chardet.

Package Info

| | |
|----------------------|---|
| Package Author(s) | "Ahmed R. TAHRI" <tahri.ahmed@proton.me> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/charset-normalizer/ |
| Package Download URL | https://files.pythonhosted.org/packages/e7/a1/67fe25fac3c7642725500a3f6cfe5821ad557c3abb11c9d20d12c7008d3e/charset_normalizer-3.4.7.tar.gz |
| Dependency Path | google-api-core > requests > charset-normalizer, google-api-python-client > google-api-core > requests > charset-normalizer, google-auth-oauthlib > requests-oauthlib > requests > charset-normalizer, google-cloud-bigquery > google-api-core > requests > charset-normalizer, google-cloud-bigquery > google-cloud-core > google-api-core > requests > charset-normalizer, google-cloud-bigquery > requests > charset-normalizer, requests > charset-normalizer |

Declared License(s)

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Discovered License(s)

None

Notice File(s)

None

defusedxml 0.7.1

pip+defusedxml\$0.7.1 •

Transitive

Description

```
=====
defusedxml -- defusing XML bombs and other exploits
===== ..
image:: https://img.shields.io/pypi/v/defusedxml.svg :target:
https://pypi.org/project/defusedxml/ :alt: Latest Version .. image::
https://img.shields.io/pypi/pyversions/defusedxml.svg :target:
https://pypi.org/project/defusedxml/ :alt: Supported Python versions
.. image:: https://travis-ci.org/tiran/defusedxml.svg?branch=master
:target: https://travis-ci.org/tiran/defusedxml :alt: Travis CI .. image::
https://codecov.io/github/tiran/defusedxml/coverage.svg?
branch=master :target: https://codecov.io/github/tiran/defusedxml?
branch=master :alt: codecov .. image::
https://img.shields.io/pypi/dm/defusedxml.svg :target:
https://pypistats.org/packages/defusedxml :alt: PyPI downloads ..
image:: https://img.shields.io/badge/code%20style-black-000000.svg
:target: https://github.com/psf/black :alt: Code style: black .. "It's just
XML, what could probably go wrong?" Christian Heimes
<christian@python.org> Synopsis ===== The results of an attack
on a vulnerable XML library can be fairly dramatic. With just a few
hundred Bytes of XML data an attacker can occupy several
Gigabytes of memory within seconds. An attacker can also
keep CPUs busy for a long time with a small to medium size request.
Under some circumstances it is even possible to access local files on
your server, to circumvent a firewall, or to abuse services to rebound
attacks to third parties. The attacks use and abuse less common
features of XML and its parsers. The majority of developers are
unacquainted with features such as processing instructions and entity
expansions that XML inherited from SGML. At best they know about
<!DOCTYPE>`from experience with HTML but they are not aware that a
document type definition (DTD) can generate an HTTP request or load
a file from the file system. None of the issues is new. They have been
known for a long time. Billion laughs was first reported in 2003.
Nevertheless some XML libraries and applications are still vulnerable
and even heavy users of XML are surprised by these features. It's hard
to say whom to blame for the situation. It's too short sighted to shift all
```

blame on XML parsers and XML libraries for using insecure default settings. After all they properly implement XML specifications.

Application developers must not rely that a library is always configured for security and potential harmful data by default. ..

contents:: Table of Contents :depth: 2 Attack vectors

===== billion laughs / exponential entity expansion -----

----- The Billion Laughs_ attack -- also known as exponential entity expansion -- uses multiple levels of nested entities. The original example uses 9 levels of 10 expansions in each level to expand the string lol to a string of 3×10^9 bytes, hence the name "billion laughs". The resulting string occupies 3 GB (2.79 GiB) of memory; intermediate strings require additional memory. Because most parsers don't cache the intermediate step for every expansion it is repeated over and over again. It increases the CPU load even more. An XML document of just a few hundred bytes can disrupt all services on a machine within seconds. Example XML:: <!DOCTYPE xmlbomb [<!ENTITY a "1234567890" > <!ENTITY b "&a;&a;&a;&a;&a;&a;&a;&a;&a;"> <!ENTITY c "&b;&b;&b;&b;&b;&b;&b;&b;&b;&b;"> <!ENTITY d "&c;&c;&c;&c;&c;&c;&c;&c;&c;">]> <bomb>&d;</bomb> quadratic blowup entity expansion -----

A quadratic blowup attack is similar to a Billion Laughs_ attack; it abuses entity expansion, too. Instead of nested entities it repeats one large entity with a couple of thousand chars over and over again. The attack isn't as efficient as the exponential case but it avoids triggering countermeasures of parsers against heavily nested entities. Some parsers limit the depth and breadth of a single entity but not the total amount of expanded text throughout an entire XML document. A medium-sized XML document with a couple of hundred kilobytes can require a couple of hundred MB to several GB of memory. When the attack is combined with some level of nested expansion an attacker is able to achieve a higher ratio of success. :: <!DOCTYPE bomb [<!ENTITY a "xxxxxxx... a couple of ten thousand chars">]> <bomb>&a;&a;&a;... repeat</bomb> external entity expansion (remote) -----

Entity declarations can contain more than just text for replacement. They can also point to external resources by public identifiers or system identifiers.

System identifiers are standard URIs. When the URI is a URL (e.g. a http://locator) some parsers download the resource from the remote location and embed them into the XML document verbatim. Simple example of a parsed external entity:: <!DOCTYPE external [<!ENTITY ee SYSTEM "http://www.python.org/some.xml">]> <root>ⅇ</root>

The case of parsed external entities works only for valid XML content.

The XML standard also supports unparsed external entities with a NData declaration. External entity expansion opens the door to plenty of exploits. An attacker can abuse a vulnerable XML library and application to rebound and forward network requests with the IP

address of the server. It highly depends on the parser and the application what kind of exploit is possible. For example: * An attacker can circumvent firewalls and gain access to restricted resources as all the requests are made from an internal and trustworthy IP address, not from the outside. * An attacker can abuse a service to attack, spy on or DoS your servers but also third party services. The attack is disguised with the IP address of the server and the attacker is able to utilize the high bandwidth of a big machine. * An attacker can exhaust additional resources on the machine, e.g. with requests to a service that doesn't respond or responds with very large files. * An attacker may gain knowledge, when, how often and from which IP address an XML document is accessed. * An attacker could send mail from inside your network if the URL handler supports smtp://URIs. external entity expansion (local file) -----

External entities with references to local files are a sub-case of external entity expansion. It's listed as an extra attack because it deserves extra attention. Some XML libraries such as lxml disable network access by default but still allow entity expansion with local file access by default. Local files are either referenced with a file://URL or by a file path (either relative or absolute). An attacker may be able to access and download all files that can be read by the application process. This may include critical configuration files, too. :: <!DOCTYPE external [<!ENTITY ee SYSTEM "file:///PATH/TO/simple.xml">]> <root>ⅇ</root> DTD retrieval -----

----- This case is similar to external entity expansion, too. Some XML libraries like Python's xml.dom.pulldom retrieve document type definitions from remote or local locations. Several attack scenarios from the external entity case apply to this issue as well. :: <?xml version="1.0" encoding="utf-8"?> <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"> <html> <head/> <body>text</body> </html> Python XML Libraries

===== .. csv-table:: vulnerabilities and features
:header: "kind", "sax", "etree", "minidom", "pulldom", "xmlrpc", "lxml",
"genshi"
:widths: 24, 7, 8, 8, 7, 8, 8, 8 :stub-columns: 0
"billion laughs",
True, ***True***, ***True***, ***True***, ***True***, "False (1)", "False (5)"
"quadratic blowup", ***True***, ***True***, ***True***, ***True***, ***True***, ***True***, "False (5)"
"external entity expansion (remote)", ***True***, "False (3)", "False (4)", ***True***, "false", "False (1)", "False (5)"
"external entity expansion (local file)", ***True***, "False (3)", "False (4)", ***True***, "false", ***True***, "False (5)"
"DTD retrieval", ***True***, "False", "False", ***True***, "false", "False (1)", "False" "gzip bomb", "False", "False", "False", "False", ***True***, ***partly** (2)", "False" "xpath support (7)", "False", "False", "False", "False", "False", ***True***, "False" "xsl(t) support (7)", "False", "False", "False", "False", "False", ***True***, "False" "xinclude support (7)", "False", ***True** (6)", "False", "False",

"False", **True** (6)", **True** "C library", "expat", "expat", "expat", "expat", "expat", "libxml2", "expat" 1. Lxml is protected against billion laughs attacks and doesn't do network lookups by default. 2. libxml2 and lxml are not directly vulnerable to gzip decompression bombs but they don't protect you against them either. 3. xml.etree doesn't expand entities and raises a ParserError when an entity occurs. 4. minidom doesn't expand entities and simply returns the unexpanded entity verbatim. 5. genshi.input of genshi 0.6 doesn't support entity expansion and raises a ParserError when an entity occurs. 6. Library has (limited) XInclude support but requires an additional step to process inclusion. 7. These are features but they may introduce exploitable holes, see Other things to consider_ Settings in standard library ----- xml.sax.handler Features ----- feature_external_ges (<http://xml.org/sax/features/external-general-entities>) disables external entity expansion feature_external_pes (<http://xml.org/sax/features/external-parameter-entities>) the option is ignored and doesn't modify any functionality DOM xml.dom.xmlbuilder.Options ----- external_parameter_entities ignored external_general_entities ignored external_dtd_subset ignored entities unsure defusedxml ===== The defusedxml package_ (defusedxml on PyPI_) contains several Python-only workarounds and fixes for denial of service and other vulnerabilities in Python's XML libraries. In order to benefit from the protection you just have to import and use the listed functions / classes from the right defusedxml module instead of the original module. Merely defusedxml.xmlrpc_ is implemented as monkey patch. Instead of:: >>> from xml.etree.ElementTree import parse >>> et = parse(xmlfile) alter code to:: >>> from defusedxml.ElementTree import parse >>> et = parse(xmlfile) Additionally the package has an **untested** function to monkey patch all stdlib modules with defusedxml.defuse_stdlib(). All functions and parser classes accept three additional keyword arguments. They return either the same objects as the original functions or compatible subclasses. forbid_dtd (default: False) disallow XML with a <!DOCTYPE>`processing instruction and raise a \*DTDForbidden\* exception when a DTD processing instruction is found. forbid\_entities (default: True) disallow XML with <!ENTITY>`declarations inside the DTD and raise an *EntitiesForbidden* exception when an entity is declared. forbid_external (default: True) disallow any access to remote or local resources in external entities or DTD and raising an *ExternalReferenceForbidden* exception when a DTD or entity references an external resource. defusedxml (package) ----- DefusedXmlException, DTDForbidden, EntitiesForbidden, ExternalReferenceForbidden, NotSupportedError defuse_stdlib() (*experimental*) defusedxml.cElementTree ----- **NOTE**

`defusedxml.cElementTree` is deprecated and will be removed in a future release. Import from `defusedxml.ElementTree` instead. `parse()`, `iterparse()`, `fromstring()`, `XMLParser` `defusedxml.ElementTree` -----
 ----- `parse()`, `iterparse()`, `fromstring()`, `XMLParser`
`defusedxml.expatreader` ----- `create_parser()`,
`DefusedExpatParser` `defusedxml.sax` ----- `parse()`, `parseString()`,
`make_parser()` `defusedxml.expatbuilder` ----- `parse()`,
`parseString()`, `DefusedExpatBuilder`, `DefusedExpatBuilderNS`
`defusedxml.minidom` ----- `parse()`, `parseString()`
`defusedxml.pulldom` ----- `parse()`, `parseString()`
`defusedxml.xmlrpc` ----- The fix is implemented as monkey
 patch for the stdlib's `xmlrpc` package (3.x) or `xmlrpclib` module (2.x).
 The function `monkey_patch()` enables the fixes, `unmonkey_patch()`
 removes the patch and puts the code in its former state. The monkey
 patch protects against XML related attacks as well as decompression
 bombs and excessively large requests or responses. The default
 setting is 30 MB for requests, responses and gzip decompression.
 You can modify the default by changing the module variable
`MAX_DATA`. A value of `-1` disables the limit. `defusedxml.lxml` -----
 - **DEPRECATED** The module is deprecated and will be removed in a
 future release. The module acts as an *example* how you could
 protect code that uses `lxml.etree`. It implements a custom `Element`
 class that filters out `Entity` instances, a custom parser factory and a
 thread local storage for parser instances. It also has a `check_docinfo()`
 function which inspects a tree for internal or external DTDs and entity
 declarations. In order to check for entities `lxml > 3.0` is required.
`parse()`, `fromstring()` `RestrictedElement`, `GlobalParserTLS`,
`getDefaultParser()`, `check_docinfo()` `defusedexpat` ===== The
`defusedexpat` package (`defusedexpat` on PyPI) comes with binary
 extensions and a modified `expat` library instead of the standard `expat`
 parser. It's basically a stand-alone version of the patches for Python's
 standard library C extensions. Modifications in `expat` -----
 new definitions:: `XML_BOMB_PROTECTION`
`XML_DEFAULT_MAX_ENTITY_INDIRECTIONS`
`XML_DEFAULT_MAX_ENTITY_EXPANSIONS` `XML_DEFAULT_RESET_DTD`
 new `XML_FeatureEnum` members::
`XML_FEATURE_MAX_ENTITY_INDIRECTIONS`
`XML_FEATURE_MAX_ENTITY_EXPANSIONS`
`XML_FEATURE_IGNORE_DTD` new `XML_Error` members::
`XML_ERROR_ENTITY_INDIRECTIONS` `XML_ERROR_ENTITY_EXPANSION`
 new API functions:: `int XML_GetFeature(XML_Parser parser, enum`
`XML_FeatureEnum feature, long *value); int`
`XML_SetFeature(XML_Parser parser, enum XML_FeatureEnum feature,`
`long value); int XML_GetFeatureDefault(enum XML_FeatureEnum`
`feature, long *value); int XML_SetFeatureDefault(enum`

XML_FeatureEnum feature, long value);

XML_FEATURE_MAX_ENTITY_INDIRECTIONS Limit the amount of indirections that are allowed to occur during the expansion of a nested entity. A counter starts when an entity reference is encountered. It resets after the entity is fully expanded. The limit protects the parser against exponential entity expansion attacks (aka billion laughs attack). When the limit is exceeded the parser stops and fails with XML_ERROR_ENTITY_INDIRECTIONS. A value of 0 disables the protection. Supported range 0 .. UINT_MAX Default 40

XML_FEATURE_MAX_ENTITY_EXPANSIONS Limit the total length of all entity expansions throughout the entire document. The lengths of all entities are accumulated in a parser variable. The setting protects against quadratic blowup attacks (lots of expansions of a large entity declaration). When the sum of all entities exceeds the limit, the parser stops and fails with XML_ERROR_ENTITY_EXPANSION. A value of 0 disables the protection. Supported range 0 .. UINT_MAX Default 8 MiB

XML_FEATURE_RESET_DTD Reset all DTD information after the <!DOCTYPE> block has been parsed. When the flag is set (default: false) all DTD information after the endDoctypeDeclHandler has been called. The flag can be set inside the endDoctypeDeclHandler.

Without DTD information any entity reference in the document body leads to XML_ERROR_UNDEFINED_ENTITY. Supported range 0, 1

Default 0 How to avoid XML vulnerabilities

===== Best practices ----- *

Don't allow DTDs * Don't expand entities * Don't resolve externals *
Limit parse depth * Limit total input size * Limit parse time * Favor a SAX or iterparse-like parser for potential large data * Validate and properly quote arguments to XSL transformations and XPath queries *
Don't use XPath expression from untrusted sources * Don't apply XSL transformations that come untrusted sources (based on Brad Hill's Attacking XML Security.) Other things to consider

===== XML, XML parsers and processing
libraries have more features and possible issue that could lead to DoS vulnerabilities or security exploits in applications. I have compiled an incomplete list of theoretical issues that need further research and more attention. The list is deliberately pessimistic and a bit paranoid, too. It contains things that might go wrong under daffy circumstances.
attribute blowup / hash collision attack -----

XML parsers may use an algorithm with quadratic runtime $O(n^2)$ to handle attributes and namespaces. If it uses hash tables (dictionaries) to store attributes and namespaces the implementation may be vulnerable to hash collision attacks, thus reducing the performance to $O(n^2)$ again. In either case an attacker is able to forge a denial of service attack with an XML document that contains thousands upon thousands of attributes in a single node. I haven't

researched yet if expat, pyexpat or libxml2 are vulnerable.

decompression bomb ----- The issue of decompression bombs (aka ZIP bomb_) apply to all XML libraries that can parse compressed XML stream like gzipped HTTP streams or LZMA-ed files. For an attacker it can reduce the amount of transmitted data by three magnitudes or more. Gzip is able to compress 1 GiB zeros to roughly 1 MB, lzma is even better:: \$ dd if=/dev/zero bs=1M count=1024 | gzip > zeros.gz \$ dd if=/dev/zero bs=1M count=1024 | lzma -z > zeros.xy \$ ls -sh zeros.* 1020K zeros.gz 148K zeros.xy None of Python's standard XML libraries decompress streams except for xmlrpclib. The module is vulnerable

<<https://bugs.python.org/issue16043>> to decompression bombs. lxml can load and process compressed data through libxml2 transparently. libxml2 can handle even very large blobs of compressed data efficiently without using too much memory. But it doesn't protect applications from decompression bombs. A carefully written SAX or iterparse-like approach can be safe. Processing Instruction -----

----- PI_'s like:: <?xml-stylesheet type="text/xsl" href="style.xsl"?> may impose more threats for XML processing. It depends if and how a processor handles processing instructions. The issue of URL retrieval with network or local file access apply to processing instructions, too.

Other DTD features ----- DTD_ has more features like <!NOTATION>. I haven't researched how these features may be a security threat. XPath ----- XPath statements may introduce DoS vulnerabilities. Code should never execute queries from untrusted sources. An attacker may also be able to create an XML document that makes certain XPath queries costly or resource hungry. XPath injection attacks ----- XPath injection attacks pretty much work like SQL injection attacks. Arguments to XPath queries must be quoted and validated properly, especially when they are taken from the user. The page Avoid the dangers of XPath injection_ list some ramifications of XPath injections. Python's standard library doesn't have XPath support. Lxml supports parameterized XPath queries which does proper quoting. You just have to use its xpath() method correctly:: # DON'T >>> tree.xpath("/tag[@id='%s']" % value) # instead do >>> tree.xpath("/tag[@id=\$tagid]", tagid=name)

XInclude ----- XML Inclusion_ is another way to load and include external files:: <root xmlns:xi="http://www.w3.org/2001/XInclude"> <xi:include href="filename.txt" parse="text" /> </root> This feature should be disabled when XML files from an untrusted source are processed. Some Python XML libraries and libxml2 support XInclude but don't have an option to sandbox inclusion and limit it to allowed directories.

XMLSchema location ----- A validating XML parser may download schema files from the information in a xsi:schemaLocation_ attribute. :: <ead xmlns="urn:isbn:1-931666-22-9"

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:isbn:1-931666-22-9
http://www.loc.gov/ead/ead.xsd"> </ead> XSL Transformation -----
----- You should keep in mind that XSLT is a Turing complete
language. Never process XSLT code from unknown or untrusted
source! XSLT processors may allow you to interact with external
resources in ways you can't even imagine. Some processors even
support extensions that allow read/write access to file system,
access to JRE objects or scripting with Jython. Example from
Attacking XML Security_ for Xalan-J: <xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:rt="http://xml.apache.org/xalan/java/java.lang.Runtime"
xmlns:ob="http://xml.apache.org/xalan/java/java.lang.Object"
exclude-result-prefixes=" rt ob"> <xsl:template match="/">
<xsl:variable name="runtimeObject" select="rt:getRuntime()"/>
<xsl:variable name="command" select="rt:exec($runtimeObject,
&apos;c:\Windows\system32\cmd.exe&apos;)/> <xsl:variable
name="commandAsString" select="ob:toString($command)"/>
<xsl:value-of select="$commandAsString"/> </xsl:template>
</xsl:stylesheet>

```

Related CVEs ===== CVE-2013-1664
Unrestricted entity expansion induces DoS vulnerabilities in Python
XML libraries (XML bomb) CVE-2013-1665 External entity expansion in
Python XML libraries inflicts potential security flaws and DoS
vulnerabilities Other languages / frameworks
===== Several other programming
languages and frameworks are vulnerable as well. A couple of them
are affected by the fact that libxml2 up to 2.9.0 has no protection
against quadratic blowup attacks. Most of them have potential
dangerous default settings for entity expansion and external entities,
too. Perl --- Perl's XML::Simple is vulnerable to quadratic entity
expansion and external entity expansion (both local and remote). Ruby
---- Ruby's REXML document parser is vulnerable to entity expansion
attacks (both quadratic and exponential) but it doesn't do external
entity expansion by default. In order to counteract entity expansion
you have to disable the feature::
REXML::Document.entity_expansion_limit = 0 libxml-ruby and hpricot
don't expand entities in their default configuration. PHP --- PHP's
SimpleXML API is vulnerable to quadratic entity expansion and loads
entities from local and remote resources. The option LIBXML_NONET
disables network access but still allows local file access.
LIBXML_NOENT seems to have no effect on entity expansion in PHP
5.4.6. C# / .NET / Mono ----- Information in XML DoS and
Defenses (MSDN)_ suggest that .NET is vulnerable with its default
settings. The article contains code snippets how to create a secure
XML reader:: XmlReaderSettings settings = new XmlReaderSettings();

```

settings.ProhibitDtd = false; settings.MaxCharactersFromEntities =
1024; settings.XmlResolver = null; XmlReader reader =
XmlReader.Create(stream, settings); Java ---- Untested. The
documentation of Xerces and its Xerces SecurityManager` sounds
like Xerces is also vulnerable to billion laugh attacks with its default
settings. It also does entity resolving when an
`org.xml.sax.EntityResolver` is configured. I'm not yet sure about the
default setting here. Java specialists suggest to have a custom builder
factory:: DocumentBuilderFactory builderFactory =
DocumentBuilderFactory.newInstance();
builderFactory.setXIncludeAware(False);
builderFactory.setExpandEntityReferences(False);
builderFactory.setFeature(XMLConstants.FEATURE_SECURE_PROCESSING,
True); # either
builderFactory.setFeature("http://apache.org/xml/features/disallow-
doctype-decl", True); # or if you need DTDs
builderFactory.setFeature("http://xml.org/sax/features/external-
general-entities", False);
builderFactory.setFeature("http://xml.org/sax/features/external-
parameter-entities", False);
builderFactory.setFeature("http://apache.org/xml/features/nonvalidating/load-
external-dtd", False);
builderFactory.setFeature("http://apache.org/xml/features/nonvalidating/load-
dtd-grammar", False); TODO ===== * DOM: Use xml.dom.xmlbuilder
options for entity handling * SAX: take feature_external_ges and
feature_external_pes (?) into account * test experimental monkey
patching of stdlib modules * improve documentation License =====
Copyright (c) 2013-2017 by Christian Heimes <christian@python.org>
Licensed to PSF under a Contributor Agreement. See
https://www.python.org/psf/license for licensing details.
Acknowledgements ===== Brett Cannon (Python Core
developer) review and code cleanup Antoine Pitrou (Python Core
developer) code review Aaron Patterson, Ben Murphy and Michael
Koziarski (Ruby community) Many thanks to Aaron, Ben and Michael
from the Ruby community for their report and assistance. Thierry
Carrez (OpenStack) Many thanks to Thierry for his report to the Python
Security Response Team on behalf of the OpenStack security team.
Carl Meyer (Django) Many thanks to Carl for his report to PSRT on
behalf of the Django security team. Daniel Veillard (libxml2) Many
thanks to Daniel for his insight and assistance with libxml2. semantics
GmbH (https://www.semantics.de/) Many thanks to my employer
semantics for letting me work on the issue during working hours as
part of semantics's open source initiative. References ===== *
XML DoS and Defenses (MSDN)` * Billion Laughs` on Wikipedia * ZIP
bomb` on Wikipedia * Configure SAX parsers for secure processing` *

```

Testing for XML Injection` .. _defusedxml package:
<https://github.com/tiran/defusedxml> .. _defusedxml on PyPI:
<https://pypi.python.org/pypi/defusedxml> .. _defusedexpat package:
<https://github.com/tiran/defusedexpat> .. _defusedexpat on PyPI:
<https://pypi.python.org/pypi/defusedexpat> .. _modified expat:
<https://github.com/tiran/expat> .. _expat parser:
<http://expat.sourceforge.net/> .. _Attacking XML Security:
<https://www.isecpartners.com/media/12976/iSEC-HILL-Attacking-XML-Security-bh07.pdf> .. _Billion Laughs:
<https://en.wikipedia.org/wiki/BillionLaughs> .. _XML DoS and Defenses (MSDN): <https://msdn.microsoft.com/en-us/magazine/ee335713.aspx>
 .. _ZIP bomb: https://en.wikipedia.org/wiki/Zip_bomb .. _DTD:
https://en.wikipedia.org/wiki/Document_Type_Definition .. _PI:
https://en.wikipedia.org/wiki/Processing_Instruction .. _Avoid the dangers of XPath injection:
<http://www.ibm.com/developerworks/xml/library/x-xpathinjection/index.html> .. _Configure SAX parsers for secure processing: <http://www.ibm.com/developerworks/xml/library/x-tipcfscx/index.html> .. _Testing for XML Injection:
[https://www.owasp.org/index.php/Testing_for_XML_Injection_\(OWASP-DV-008\)](https://www.owasp.org/index.php/Testing_for_XML_Injection_(OWASP-DV-008)) .. _Xerces SecurityManager:
<https://xerces.apache.org/xerces2-j/javadocs/xerces2/org/apache/xerces/util/SecurityManager.html> ..
 _XML Inclusion: https://www.w3.org/TR/xinclude/#include_element
 Changelog ===== defusedxml 0.7.1 ----- *Release date: 08-Mar-2021* - Fix regression
 defusedxml.ElementTree.ParseError`(#63) The ParseError`exception is now the same class object as xml.etree.ElementTree.ParseError`again.
 defusedxml 0.7.0 ----- *Release date: 4-Mar-2021* - No changes
 defusedxml 0.7.0rc2 ----- *Release date: 12-Jan-2021* - Re-add and deprecate defusedxml.cElementTree` - Use GitHub Actions instead of TravisCI - Restore ElementTree`attribute of xml.etree`module after patching defusedxml 0.7.0rc1 -----
 Release date: 04-May-2020 - Add support for Python 3.9 - defusedxml.cElementTree`is not available with Python 3.9. - Python 2 is deprecate. Support for Python 2 will be removed in 0.8.0.
 defusedxml 0.6.0 ----- *Release date: 17-Apr-2019* - Increase test coverage. - Add badges to README. defusedxml 0.6.0rc1 -----
 ----- *Release date: 14-Apr-2019* - Test on Python 3.7 stable and 3.8-dev - Drop support for Python 3.4 - No longer pass *html* argument to XMLParse. It has been deprecated and ignored for a long time. The DefusedXMLParser still takes a html argument. A deprecation warning is issued when the argument is False and a TypeError when it's True. - defusedxml now fails early when pyexpat stdlib module is not available or broken. -

defusedxml.ElementTree.__all__ now lists ParseError as public attribute. - The defusedxml.ElementTree and defusedxml.cElementTree modules had a typo and used XMLParse instead of XMLParser as an alias for DefusedXMLParser. Both the old and fixed name are now available. defusedxml 0.5.0 -----
 Release date: 07-Feb-2017 - No changes defusedxml 0.5.0.rc1 -----
 ----- *Release date: 28-Jan-2017* - Add compatibility with Python 3.6 - Drop support for Python 2.6, 3.1, 3.2, 3.3 - Fix lxml tests (XMLSyntaxError: Detected an entity reference loop) defusedxml 0.4.1 -----
 ----- *Release date: 28-Mar-2013* - Add more demo exploits, e.g. python_external.py and Xalan XSLT demos. - Improved documentation. defusedxml 0.4 -----
 Release date: 25-Feb-2013 - As per <http://seclists.org/oss-sec/2013/q1/340> please REJECT CVE-2013-0278, CVE-2013-0279 and CVE-2013-0280 and use CVE-2013-1664, CVE-2013-1665 for OpenStack/etc. - Add missing parser_list argument to sax.make_parser(). The argument is ignored, though. (thanks to Florian Apolloner) - Add demo exploit for external entity attack on Python's SAX parser, XML-RPC and WebDAV. defusedxml 0.3 -----
 Release date: 19-Feb-2013 - Improve documentation defusedxml 0.2 -----
 Release date: 15-Feb-2013 - Rename ExternalEntitiesForbidden to ExternalReferenceForbidden - Rename defusedxml.lxml.check_dtd() to check_docinfo() - Unify argument names in callbacks - Add arguments and formatted representation to exceptions - Add forbid_external argument to all functions and classes - More tests - LOTS of documentation - Add example code for other languages (Ruby, Perl, PHP) and parsers (Genshi) - Add protection against XML and gzip attacks to xmllrpclib defusedxml 0.1 -----
 Release date: 08-Feb-2013 - Initial and internal release for PSRT review

Package Info

| | |
|----------------------|---|
| Package Author(s) | christian@python.org |
| Package Manager | Pip |
| Project URL | https://github.com/tiran/defusedxml |
| Package Download URL | https://files.pythonhosted.org/packages/0f/d5/c66da9b79e5bdb124974bfe172b4daf3c984ebd9c2a06e2b8a4dc7331c72/defusedxml-0.7.1.tar.gz |

Dependency Path solnlib > defusedxml, splunktaucclib > defusedxml, splunktaucclib > solnlib > defusedxml

Declared License(s)

None

Discovered License(s)

PSF-2.0

Copyright(s) i.e., "Copyright (c)

Notice File(s)

None

deprecation 2.1.0

pip+deprecation\$2.1.0 • Transitive

Description

deprecation ===== .. image::
https://readthedocs.org/projects/deprecation/badge/?version=latest
:target: http://deprecation.readthedocs.io/en/latest/ :alt:
Documentation Status .. image:: https://travis-
ci.org/briancurtin/deprecation.svg?branch=master :target:
https://travis-ci.org/briancurtin/deprecation .. image::
https://codecov.io/gh/briancurtin/deprecation/branch/master/graph/badge.svg
:target: https://codecov.io/gh/briancurtin/deprecation The
`deprecation` library provides a `deprecated` decorator and a
`fail\_if\_not\_removed` decorator for your tests. Together, the two enable
the automation of several things: 1. The docstring of a deprecated
method gets the deprecation details appended to the end of it. If you
generate your API docs direct from your source, you don't need to
worry about writing your own notification. You also don't need to worry
about forgetting to write it. It's done for you. 2. Rather than having
code live on forever because you only deprecated it but never
actually moved on from it, you can have your tests tell you when it's
time to remove the code. The `@deprecated` decorator can be told
when it's time to entirely remove the code, which causes
`@fail\_if\_not\_removed` to raise an `AssertionError`, causing either your

unittest or py.test tests to fail. See <http://deprecation.readthedocs.io/> for the full documentation. Installation ===== :: pip install deprecation Usage ===== :: import deprecation @deprecation.deprecated(deprecated_in="1.0", removed_in="2.0", current_version=__version__, details="Use the bar function instead") def foo(): """Do some stuff""" return 1 ...but doesn't Python ignore DeprecationWarning? =====

Yes, by default since 2.7—and for good reason [#]_ —and this works fine with that. 1. It often makes sense for you to run your tests with a -W flag or the PYTHONWARNINGS environment variable so you catch warnings in development and handle them appropriately. The warnings raised by this library show up there, as they're subclasses of the built-in DeprecationWarning. See the Command Line <<https://docs.python.org/2/using/cmdline.html#cmdoption-W>>_ and Environment Variable <<https://docs.python.org/2/using/cmdline.html#envvar-PYTHONWARNINGS>>_ documentation for more details. 2. Even if you don't enable those things, the behavior of this library remains the same. The docstrings will still be updated and the tests will still fail when they need to. You'll get the benefits regardless of what Python cares about DeprecationWarning. --- .. [#] Exposing application users to DeprecationWarning's that are emitted by lower-level code needlessly involves end-users in "how things are done." It often leads to users raising issues about warnings they're presented, which on one hand is done rightfully so, as it's been presented to them as some sort of issue to resolve. However, at the same time, the warning could be well known and planned for. From either side, loud DeprecationWarning's can be seen as noise that isn't necessary outside of development.

Package Info

| | |
|----------------------|---|
| Package Author(s) | brian@python.org |
| Package Manager | Pip |
| Project URL | http://deprecation.readthedocs.io/ |
| Package Download URL | https://files.pythonhosted.org/packages/5a/d3/8ae2869247df154b64c1884d7346d412fed0c49df84db635aab2d1c40e62/deprecation-2.1.0.tar.gz |

Dependency Path solnlib > splunk-sdk > deprecation, splunk-sdk > deprecation, splunktaucclib > solnlib > splunk-sdk > deprecation, splunktaucclib > splunk-sdk > deprecation

Declared License(s)

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Discovered License(s)

None

Notice File(s)

None

google-cloud-core 2.5.1

pip+google-cloud-core\$2.5.1 • Transitive

Description

Google Cloud API client core library

Package Info

Package Author(s) googleapis-packages@google.com

Package Manager Pip

Project URL <https://github.com/googleapis/google-cloud-python/tree/main/packages/google-cloud-core>

Package Download URL https://files.pythonhosted.org/packages/dc/24/6ca08b0a03c7b0c620427503ab00353a4ae806b848b93bcea18b6b76fde6/google_cloud_core-2.5.1.tar.gz

Dependency Path google-cloud-bigquery > google-cloud-core

Declared License(s)

Apache-2.0

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Discovered License(s)

None

Notice File(s)

None

google-resumable-media 2.8.2

pip+google-resumable-media\$2.8.2 • Transitive

Description

Utilities for Google Media Downloads and Resumable Uploads

Package Info

| | |
|----------------------|---|
| Package Author(s) | googleapis-publisher@google.com |
| Package Manager | Pip |
| Project URL | https://github.com/googleapis/google-cloud-python/tree/main/packages/google-resumable-media |
| Package Download URL | https://files.pythonhosted.org/packages/3f/d1/b1ea14b93b6b78f57fc580125de44e9f593ab88dd2460f1a8a8d18f74754/google_resumable_media-2.8.2.tar.gz |
| Dependency Path | google-cloud-bigquery > google-resumable-media |

Declared License(s)

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None

Notice File(s)

None

googleapis-common-protos 1.75.0

pip+googleapis-common-protos\$1.75.0 • Transitive

Description

Common protobufs used in Google APIs

Package Info

Package Author(s) Google LLC <googleapis-packages@google.com>

Package Manager Pip

Project URL <https://pypi.org/project/googleapis-common-protos/>

Package Download URL https://files.pythonhosted.org/packages/b5/c8/f439cffde755cffa462bfbb156278fa6f9d09119719af9814b858fd4f81f/googleapis_common_protos-1.75.0.tar.gz

Dependency Path google-api-core > googleapis-common-protos, google-api-core > grpcio-status > googleapis-common-protos, google-api-python-client > google-api-core > googleapis-common-protos, google-api-python-client > google-api-core > grpcio-status > googleapis-common-protos, google-cloud-bigquery > google-api-core > googleapis-common-protos, google-cloud-bigquery > google-api-core > grpcio-status > googleapis-common-protos, google-cloud-bigquery > google-cloud-core > google-api-core > googleapis-common-protos, google-cloud-bigquery > google-cloud-core > google-api-core > grpcio-status > googleapis-common-protos, solnlib > opentelemetry-exporter-otlp-proto-grpc > googleapis-common-protos, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > googleapis-common-protos

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None

Notice File(s)

None

grpcio 1.80.0

pip+grpcio\$1.80.0 • Transitive

Description

HTTP/2-based RPC framework

Package Info

| | |
|----------------------|--|
| Package Author(s) | The gRPC Authors <grpc-io@googlegroups.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/grpcio/ |
| Package Download URL | https://files.pythonhosted.org/packages/b7/48/af6173dbca4454f4637a4678b67f52ca7e0c1ed7d5894d89d434fecede05/grpcio-1.80.0.tar.gz |
| Dependency Path | google-api-core > grpcio, google-api-core > grpcio-status > grpcio, google-api-python-client > google-api-core > grpcio, google-api-python-client > google-api-core > grpcio-status > grpcio, google-cloud-bigquery > google-api-core > grpcio-status > grpcio, google-cloud-bigquery > google-cloud-core > google-api-core > grpcio-status > grpcio, solnlib > grpcio, solnlib > opentelemetry-exporter-otlp-proto-grpc > grpcio, splunktaucclib > solnlib > grpcio, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > grpcio |

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apache-2.0 WITH llvm-exception

Copyright(s) None

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APSL-2.0

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BSD-2-Clause

Copyright(s) 2012-2020 Yann Collet

Info-ZIP

Copyright(s) 1998-2010 Gilles Vollant (minizip) (
<http://www.winimage.com/zLibDll/minizip.html>

mit-old-style

Copyright(s) 1997

mit-old-style-no-advert

Copyright(s) 2009 - 2013 by Daniel Stenberg et al

Zlib

Copyright(s) 2003, 2012, 2013 Mark Adler

Notice File(s)

None

grpcio-status 1.80.0

pip+grpcio-status\$1.80.0 •

Transitive

Description

Status proto mapping for gRPC

Package Info

Package Author(s) The gRPC Authors <grpc-io@googlegroups.com>

| | |
|----------------------|---|
| Package Manager | Pip |
| Project URL | https://pypi.org/project/grpcio-status/ |
| Package Download URL | https://files.pythonhosted.org/packages/b1/ed/105f619bdd00cb47a49aa2feea6232ea2bbb04199d52a22cc6a7d603b5cb/grpcio_status-1.80.0.tar.gz |
| Dependency Path | google-api-core > grpcio-status, google-api-python-client > google-api-core > grpcio-status, google-cloud-bigquery > google-api-core > grpcio-status, google-cloud-bigquery > google-cloud-core > google-api-core > grpcio-status |

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Discovered License(s)

None

Notice File(s)

None

Description

A comprehensive HTTP client library.

Package Info

| | |
|----------------------|---|
| Package Author(s) | joe@bitworking.org |
| Package Manager | Pip |
| Project URL | https://github.com/httplib2/httplib2 |
| Package Download URL | https://files.pythonhosted.org/packages/c1/1f/e86365613582c027dda5ddb64e1010e57a3d53e99ab8a72093fa13d565ec/httpplib2-0.3.1.2.tar.gz |
| Dependency Path | google-api-python-client > google-auth-httpplib2 > httpplib2, google-api-python-client > httpplib2, google-auth-httpplib2 > httpplib2 |

Declared License(s)

MIT

Copyright(s) 2006 by Joe Gregorio

Discovered License(s)

GPL-2.0-only

Copyright(s) 2006 Stefan Petre

Notice File(s)

None

opentelemetry-api 1.41.1

pip+opentelemetry-api\$1.41.1 • Transitive

Description

OpenTelemetry Python API

Package Info

| | |
|----------------------|--|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-api/ |
| Package Download URL | https://files.pythonhosted.org/packages/fa/fc/b7564cbef36601aef0d6c9bc01f7badb64be8e862c2e1c3c5c3b43b53e4f/opentelemetry_api-1.41.1.tar.gz |
| Dependency Path | solnlib > opentelemetry-api, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-api, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-api, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api, solnlib > opentelemetry-sdk > opentelemetry-api, solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api, splunktaucclib > solnlib > opentelemetry-api, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-api, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api |

Declared License(s)

Apache-2.0

| | |
|--------------|---------------------------|
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|--------------|---------------------------|

Discovered License(s)

None

Notice File(s)

None

opentelemetry-exporter-otlp-proto-grpc 1.41.1

pip+opentelemetry-exporter-otlp-proto-grpc\$1.41.1

• Transitive

Description

OpenTelemetry Collector Protobuf over gRPC Exporter

Package Info

| | |
|----------------------|---|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-exporter-otlp-proto-grpc/ |
| Package Download URL | https://files.pythonhosted.org/packages/1e/9b/e4503060b8695579dbaad187dc8cef4554188de68748c88060599b77489e/opentelemetry_exporter_otlp_proto_grpc-1.41.1.tar.gz |
| Dependency Path | solnlib > opentelemetry-exporter-otlp-proto-grpc, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc |

Declared License(s)

| | |
|--------------|---------------------------|
| Apache-2.0 | |
| Copyright(s) | The OpenTelemetry Authors |

Discovered License(s)

None

Notice File(s)

None

opentelemetry-sdk 1.41.1

pip+opentelemetry-sdk\$1.41.1 • Transitive

Description

OpenTelemetry Python SDK

Package Info

| | |
|----------------------|---|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-sdk/ |
| Package Download URL | https://files.pythonhosted.org/packages/58/d0/54ee30dab82fb0acda23d144502771ff76ef8728459c83c3e89ef9fb1825/opentelemetry_sdk-1.41.1.tar.gz |
| Dependency Path | solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk, solnlib > opentelemetry-sdk, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk, splunktaucclib > solnlib > opentelemetry-sdk |

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None

Notice File(s)

None

packaging 26.2

pip+packaging\$26.2 • Transitive

Description

packaging ===== .. start-intro Reusable core utilities for various Python Packaging interoperability specifications <<https://packaging.python.org/specifications/>>_. This library provides

utilities that implement the interoperability specifications which have clearly one correct behaviour (eg: :pep:440) or benefit greatly from having a single shared implementation (eg: :pep:425). .. end-intro

The packaging`project includes the following: version handling, specifiers, markers, requirements, tags, utilities. Documentation ----- The documentation` provides information and the API for the following: - Version Handling - Specifiers - Markers - Requirements - Tags - Utilities

Installation ----- Use pip`to install these utilities:: pip install packaging

The packaging`library uses calendar-based versioning (YY.N). Discussion ----- If you run into bugs, you can file them in our issue tracker`. You can also join #pypa`on Freenode to ask questions or get involved. .. _documentation: <https://packaging.pypa.io/> .. _issue tracker: <https://github.com/pypa/packaging/issues>

Code of Conduct ----- Everyone interacting in the packaging project's codebases, issue trackers, chat rooms, and mailing lists is expected to follow the PSF Code of Conduct`. .. _PSF Code of Conduct: https://github.com/pypa/.github/blob/main/CODE_OF_CONDUCT.md

Contributing ----- The CONTRIBUTING.rst`file outlines how to contribute to this project as well as how to report a potential security issue. The documentation for this project also covers information about project development` and security`. .. _project development: <https://packaging.pypa.io/en/latest/development/> .. _security: <https://packaging.pypa.io/en/latest/security/>

Project History ----- --- Please review the CHANGELOG.rst`file or the Changelog documentation` for recent changes and project history. .. _Changelog documentation: <https://packaging.pypa.io/en/latest/changelog/>

Package Info

| | |
|----------------------|---|
| Package Author(s) | Donald Stufft <donald@stufft.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/packaging/ |
| Package Download URL | https://files.pythonhosted.org/packages/d7/f1/e7a6dd94a8d4a5626c03e4e99c87f241ba9e350cd9e6d75123f992427270/packaging-2.6.2.tar.gz |

Dependency Path google-cloud-bigquery > packaging, solnlib > splunk-sdk > deprecation > packaging, splunk-sdk > deprecation > packaging, splunktaucclib > solnlib > splunk-sdk > deprecation > packaging, splunktaucclib > splunk-sdk > deprecation > packaging

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None

Notice File(s)

None

proto-plus 1.27.2

pip+proto-plus\$1.27.2 •

Transitive

Description

Beautiful, Pythonic protocol buffers

Package Info

Package Author(s) Google LLC <googleapis-packages@google.com>

Package Manager Pip

Project URL <https://pypi.org/project/proto-plus/>

Package Download URL https://files.pythonhosted.org/packages/81/0d/94dfe80193e79d55258345901acd2917523d56e8381bc4dee7fd38e3868a/proto_plus-1.27.2.tar.gz

Dependency Path google-api-core > proto-plus, google-api-python-client > google-api-core > proto-plus, google-cloud-bigquery > google-api-core > proto-

plus, google-cloud-bigquery > google-cloud-core > google-api-core > proto-plus

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None

Notice File(s)

None

protobuf 6.33.6

pip+protobuf\$6.33.6 • Transitive

Description

Protocol Buffers are Google's data interchange format

Package Info

Package Author(s) protobuf@googlegroups.com

Package Manager Pip

Project URL <https://developers.google.com/protocol-buffers/>

Package Download URL <https://files.pythonhosted.org/packages/66/70/e908e9c5e52ef7c3a6c7902c9dfbb34c7e29c25d2f81ade3856445fd5c94/protobuf-6.33.6.tar.gz>

Dependency Path google-api-core > googleapis-common-protos > protobuf, google-api-core > grpcio-status > protobuf, google-api-core > proto-plus > protobuf, google-api-core > protobuf, google-api-python-client > google-api-core > proto-plus > protobuf, google-cloud-bigquery > google-api-core > proto-plus > protobuf, google-cloud-bigquery > google-cloud-core > google-api-core > proto-plus > protobuf, solnlib >

opentelemetry-exporter-otlp-proto-grpc > opentelemetry-exporter-otlp-proto-common > opentelemetry-proto > protobuf, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-proto > protobuf, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-proto > protobuf

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Protobuf

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Notice File(s)

None

PySocks 1.7.1

pip+pysocks\$1.7.1 • Transitive

Description

A Python SOCKS client module. See <https://github.com/Anorov/PySocks> for more information.

Package Info

Package Author(s) anorov.vorona@gmail.com

Package Manager Pip

| | |
|------------------------------|---|
| Project URL | https://github.com/Anorov/PySocks |
| Package Download URL | https://files.pythonhosted.org/packages/bd/11/293dd436aea955d45fc4e8a35b6ae7270f5b8e00b53cf6c024c83b657a11/PySocks-1.7.1.tar.gz |
| Dependency Path | splunktaucclib > pysocks |
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| Apache-2.0 | |
| Copyright(s) | None |
| Notice File(s) | |
| None | |

python-dateutil 2.9.0.post0

pip+python-dateutil\$2.9.0.post0

Transitive

| | |
|---|---|
| Description | |
| Extensions to the standard Python datetime module | |
| Package Info | |
| Package Author(s) | gustavo@niemeyer.net |
| Package Manager | Pip |
| Project URL | https://github.com/dateutil/dateutil |
| Package Download URL | https://files.pythonhosted.org/packages/66/c0/0c8b6ad9f17a802ee498c46e004a0eb49bc148f2fd230864601a86dcf6db/python-dateuti |

[l-2.9.0.post0.tar.gz](#)

Dependency Path google-cloud-bigquery > python-dateutil

Declared License(s)

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None

Notice File(s)

None

requests-oauthlib 2.0.0

pip+requests-oauthlib\$2.0.0 • Transitive

Description

OAuthlib authentication support for Requests.

Package Info

Package Author(s) me@kennethreitz.com

Package Manager Pip

Project URL <https://github.com/requests/requests-oauthlib>

Package Download URL <https://files.pythonhosted.org/packages/42/f2/05f29bc3913aea15eb670be136045bf5c5bbf4b99ecb839da9b422bb2c85/requests-oauthlib-2.0.0.tar.gz>

Dependency Path google-auth-oauthlib > requests-oauthlib

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Copyright(s) 2014 Kenneth Reitz.

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None

Notice File(s)

None

sortedcontainers 2.4.0

pip+sortedcontainers\$2.4.0 • Transitive

Description

Sorted Containers -- Sorted List, Sorted Dict, Sorted Set

Package Info

Package Author(s) contact@grantjenks.com

Package Manager Pip

Project URL <http://www.grantjenks.com/docs/sortedcontainers/>

Package Download URL <https://files.pythonhosted.org/packages/e8/c4/ba2f8066cceb6f23394729afe52f3bf7adec04bf9ed2c820b39e19299111/sortedcontainers-2.4.0.tar.gz>

Dependency Path solnlib > sortedcontainers, splunktaucclib > solnlib > sortedcontainers

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None

typing-extensions 4.15.0

pip+typing-extensions\$4.15.0 • Transitive

Description

Typing Extensions [!Chat at <https://gitter.im/python/typing>](<https://badges.gitter.im/python/typing.svg>)](<https://gitter.im/python/typing>) [Documentation](<https://typing-extensions.readthedocs.io/en/latest/#>) – [PyPI](<https://pypi.org/project/typing-extensions/>) ## Overview The `typing_extensions` module serves two related purposes: - Enable use of new type system features on older Python versions. For example, `typing.TypeGuard` is new in Python 3.10, but `typing_extensions` allows users on previous Python versions to use it too. - Enable experimentation with new type system PEPs before they are accepted and added to the `typing` module. `typing_extensions` is treated specially by static type checkers such as `mypy` and `pyright`. Objects defined in `typing_extensions` are treated the same way as equivalent forms in `typing`: `typing_extensions` uses [Semantic Versioning](<https://semver.org/>). The major version will be incremented only for backwards-incompatible changes. Therefore, it's safe to depend on `typing_extensions` like this: `typing_extensions >=x.y, <(x+1)`, where `x.y` is the first version that includes all features you need. ## Included items See [the documentation](<https://typing-extensions.readthedocs.io/en/latest/#>) for a complete listing of module contents. ## Contributing See [CONTRIBUTING.md](https://github.com/python/typing_extensions/blob/main/CONTRIBUTING.md) for how to contribute to `typing_extensions`.

| Package Info | |
|-----------------------|---|
| Package Author(s) | "Guido van Rossum, Jukka Lehtosalo, Łukasz Langa, Michael Lee" <levkivskyi@gmail.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/typing-extensions/ |
| Package Download URL | https://files.pythonhosted.org/packages/72/94/1a15dd82efb362ac84269196e94cf00f187f7ed21c242792a923cdb1c61f/typing_extensions-4.15.0.tar.gz |
| Dependency Path | cryptography > typing-extensions, google-api-core > grpcio > typing-extensions, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-api > typing-extensions, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > typing-extensions, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > typing-extensions, solnlib > opentelemetry-exporter-otlp-proto-grpc > typing-extensions, solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > typing-extensions, solnlib > opentelemetry-sdk > typing-extensions, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > typing-extensions, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > typing-extensions |
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| Python-2.0 | |
| Copyright(s) | 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 |
| Discovered License(s) | |
| None | |
| Notice File(s) | |
| None | |

Description

Implementation of RFC 6570 URI Templates

Package Info

Package Author(s) graffatcolmingov@gmail.com

Package Manager Pip

Project URL <https://uritemplate.readthedocs.org/>

Package Download URL <https://files.pythonhosted.org/packages/98/60/f174043244c5306c9988380d2cb10009f91563fc4b31293d27e17201af56/uritemplate-4.2.0.tar.gz>

Dependency Path google-api-python-client > uritemplate

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None

Notice File(s)

None

google-crc32c 1.8.0

pip+google-crc32c\$1.8.0 • Transitive

Description

A python wrapper of the C library 'Google CRC32C'

Package Info

| | |
|----------------------|---|
| Package Author(s) | googleapis-packages@google.com |
| Package Manager | Pip |
| Project URL | https://github.com/googleapis/python-crc32c |
| Package Download URL | https://files.pythonhosted.org/packages/03/41/4b9c02f99e4c5fb477122cd5437403b552873f014616ac1d19ac8221a58d/google_crc32c-1.8.0.tar.gz |
| Dependency Path | google-cloud-bigquery > google-resumable-media > google-crc32c |

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Notice File(s)

None

importlib-metadata 6.11.0

pip+importlib-metadata\$6.11.0 • Transitive

Description

Read metadata from Python packages

Package Info

| | |
|----------------------|--|
| Package Author(s) | "Jason R. Coombs" <jaraco@jaraco.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/importlib-metadata/ |
| Package Download URL | https://files.pythonhosted.org/packages/ee/eb/58c2ab27ee628ad801f56d4017fe62afab0293116f6d0b08f1d5bd46e06f/importlib_metadata-6.11.0.tar.gz |
| Dependency Path | solnlib > opentelemetry-api > importlib-metadata, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-api > importlib-metadata, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-api > importlib-metadata, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata, solnlib > opentelemetry-sdk > opentelemetry-api > importlib-metadata, solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata, splunktaucclib > solnlib > opentelemetry-api > importlib-metadata, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-api > importlib-metadata, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata |

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| Copyright(s) | None |
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None

Description

A generic, spec-compliant, thorough implementation of the OAuth request-signing logic

Package Info

| | |
|----------------------|---|
| Package Author(s) | The OAuthlib Community |
| Package Manager | Pip |
| Project URL | https://github.com/oauthlib/oauthlib |
| Package Download URL | https://files.pythonhosted.org/packages/0b/5f/19930f824ffeb0ad4372da4812c50edbd1434f678c90c2733e1188edfc63/oauthlib-3.3.1.tar.gz |
| Dependency Path | google-auth-oauthlib > requests-oauthlib > oauthlib |

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| None | |
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Notice File(s)

| | |
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| None | |
|------|--|

Description

OpenTelemetry Protobuf encoding

Package Info

| | |
|----------------------|---|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-exporter-otlp-proto-common/ |
| Package Download URL | https://files.pythonhosted.org/packages/ae/fa/f9e3bd3c4d692b3ce9a2880a167d1f79681a1bea11f00d5bf76adc03e6ea/opentelemetry-exporter-otlp-proto-common-1.41.1.tar.gz |
| Dependency Path | solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-exporter-otlp-proto-common, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-exporter-otlp-proto-common |

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Notice File(s)

None

opentelemetry-proto 1.41.1

pip+opentelemetry-proto\$1.41.1 • Transitive

Description

OpenTelemetry Python Proto

Package Info

| | |
|----------------------|--|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-proto/ |
| Package Download URL | https://files.pythonhosted.org/packages/99/e8/633c6d8a9c8840338b105907e55c32d3da1983abab5e52f899f72a82c3d1/opentelemetry_proto-1.41.1.tar.gz |
| Dependency Path | solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-exporter-otlp-proto-common > opentelemetry-proto, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-proto, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-exporter-otlp-proto-common > opentelemetry-proto, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-proto |

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None

opentelemetry-semantic-conventions
0.62b1

pip+opentelemetry-semantic-conventions\$0.62b1

- Transitive

Description

OpenTelemetry Semantic Conventions

Package Info

| | |
|----------------------|--|
| Package Author(s) | OpenTelemetry Authors <cncf-opentelemetry-contributors@lists.cncf.io> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/opentelemetry-semantic-conventions/ |
| Package Download URL | https://files.pythonhosted.org/packages/9e/de/911ac9e309052aca1b20b2d5549d3db45d1011e1a610e552c6ccdd1b64f8/opentelemetry-semantic-conventions-0.62b1.tar.gz |
| Dependency Path | solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions, solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions |

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Notice File(s)

None

pycparser 2.23

pip+pycparser\$2.23 • Transitive

Description

C parser in Python

Package Info

| | |
|----------------------|---|
| Package Author(s) | Eli Bendersky <eliben@gmail.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/pycparser/ |
| Package Download URL | https://files.pythonhosted.org/packages/fe/cf/d2d3b9f5699fb1e4615c8e32ff220203e43b248e1dfcc6736ad9057731ca/pycparser-2.23.tar.gz |
| Dependency Path | cryptography > cffi > pycparser, google-api-core > google-auth > cryptography > cffi > pycparser, google-api-python-client > google-auth > cryptography > cffi > pycparser, google-api-python-client > google-auth > cryptography > cffi > pycparser, google-auth-http2 > google-auth > cryptography > cffi > pycparser, google-auth > cryptography > cffi > pycparser, google-auth-http2 > google-auth > cryptography > cffi > pycparser, google-auth-oauthlib > google-auth > cryptography > cffi > pycparser, google-cloud-bigquery > google-auth > cryptography > cffi > pycparser, google-cloud-bigquery > google-cloud-core > google-auth > cryptography > cffi > pycparser |

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None

Notice File(s)

None

Description

pyparsing - Classes and methods to define and execute parsing grammars

Package Info

| | |
|----------------------|---|
| Package Author(s) | Paul McGuire <ptmcg.gm+pyparsing@gmail.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/pyparsing/ |
| Package Download URL | https://files.pythonhosted.org/packages/f3/91/9c6ee907786a473bf81c5f53cf703ba0957b23ab84c264080fb5a450416f/pyparsing-3.3.2.tar.gz |
| Dependency Path | google-api-python-client > google-auth-httpplib2 > httpplib2 > pyparsing, google-api-python-client > httpplib2 > pyparsing, google-auth-httpplib2 > httpplib2 > pyparsing |

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public-domain

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Notice File(s)

None

six 1.16.0

pip+six\$1.16.0 • Transitive

Description

Python 2 and 3 compatibility utilities

Package Info

Package Author(s) benjamin@python.org

Package Manager Pip

Project URL <https://github.com/benjaminp/six>

Package Download URL [https://files.pythonhosted.org/packages/71/39/171f1c67cd00715f190ba0b100d606d440a28c93c7714febeca8b79af85e/six-1.16.0.tar.g
z](https://files.pythonhosted.org/packages/71/39/171f1c67cd00715f190ba0b100d606d440a28c93c7714febeca8b79af85e/six-1.16.0.tar.gz)

Dependency Path google-cloud-bigquery > python-dateutil > six

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Notice File(s)

None

Description

Backport of pathlib-compatible object wrapper for zip files

Package Info

| | |
|----------------------|---|
| Package Author(s) | "Jason R. Coombs" <jaraco@jaraco.com> |
| Package Manager | Pip |
| Project URL | https://pypi.org/project/zipp/ |
| Package Download URL | https://files.pythonhosted.org/packages/30/21/093488dfc7cc8964ded15ab726fad40f25fd3d788fd741cc1c5a17d78ee8/zipp-3.23.1.tar.gz |

| | |
|-----------------|---|
| Dependency Path | solnlib > opentelemetry-api > importlib-metadata > zipp, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-api > importlib-metadata > zipp, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-api > importlib-metadata > zipp, solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata > zipp, solnlib > opentelemetry-sdk > opentelemetry-api > importlib-metadata > zipp, solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata > zipp, splunktaucclib > solnlib > opentelemetry-api > importlib-metadata > zipp, splunktaucclib > solnlib > opentelemetry-exporter-otlp-proto-grpc > opentelemetry-sdk > opentelemetry-api > importlib-metadata > zipp, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-api > importlib-metadata > zipp, splunktaucclib > solnlib > opentelemetry-sdk > opentelemetry-semantic-conventions > opentelemetry-api > importlib-metadata > zipp |
|-----------------|---|

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