
CycloneDX Python

Release 4.4.3

Paul Horton, Jan Kowalleck, Steve Springett, Patrick Dwyer

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CONTENTS:

1	Installation	3
2	Usage	5
2.1	For Python (virtual) environment	5
2.2	For Pipenv	8
2.3	For Poetry	9
2.4	For Pip requirements	11
2.5	For PDM	13
2.6	For Conda	13
2.7	Programmatic Usage	13
3	Contributing	15
3.1	Setup	15
3.2	Code style	15
3.3	Documentation	15
3.4	Testing	16
3.5	Sign off your commits	16
4	Support	17
5	Python support	19
6	Changelog	21
6.1	CHANGELOG	21
6.2	Conflicts:	51
6.3	tests/test_parser_requirements.py	51
7	Upgrading to v4	103
7.1	Python support	103
7.2	Entry points	103
7.3	Changed Command Line Interface (CLI)	103
7.4	Removed API	106

This tool generates Software Bill of material (SBOM) documents in OWASP CycloneDX format.

Supported data sources are:

- Python (virtual) environment
- Poetry manifest and lockfile
- Pipenv manifest and lockfile
- Pip's requirements file format format
- PDM manifest and lockfile support is not implemented, yet. However, PDM's Python virtual environments are fully supported. See the [docs](#) for an example.
- Conda as a package manager is no longer supported since version 4. However, conda's Python environments are fully supported via the methods listed above. See the [docs](#) for an example.

Based on OWASP Software Component Verification Standard for Software Bill of Materials's criteria, this tool is capable of producing SBOM documents almost passing Level-2 (only signing needs to be done externally).

The resulting SBOM documents follow official specifications and standards, and might have properties following the Namespace Taxonomies cdx:python, cdx:pipenv, cdx:poetry.

**CHAPTER
ONE**

INSTALLATION

Install from pypi.org as you would any other Python module using your preferred package manager:

```
python -m pip install cyclonedx-bom    # install via pip
pipx install cyclonedx-bom              # install via pipx
poetry add cyclonedx-bom                # install via poetry

# ... you get the hang
```


USAGE

Once installed, you can call the tool's command line interface via the following methods:

```
cyclonedx-py          # call script
python3 -m cyclonedx_py # call python module CLI
```

The full documentation can be issued by running with `--help`:

```
$ cyclonedx-py --help
usage: cyclonedx-py [-h] [--version] <command> ...

Creates CycloneDX Software Bill of Materials (SBOM) from Python projects and environments.

positional arguments:
  <command>
    environment  Build an SBOM from Python (virtual) environment
    requirements  Build an SBOM from Pip requirements
    pipenv        Build an SBOM from Pipenv manifest
    poetry        Build an SBOM from Poetry project

options:
  -h, --help            show this help message and exit
  --version             show program's version number and exit
```

Example usage: save SBOM in CycloneDX 1.6 XML format, generated from current python environment

```
cyclonedx-py environment --outfile my-sbom.xml --schema-version 1.6 --output-format XML
```

2.1 For Python (virtual) environment

subcommand: environment

This will produce the most accurate and complete CycloneDX BOM as it analyses the actually installed packages. It will include metadata, licenses, dependency graph, and more in the generated CycloneDX SBOM.

The full documentation can be issued by running with `environment --help`:

```
$ cyclonedx-py environment --help
usage: cyclonedx-py environment [-h] [-v]
                                [--short-PURLs] [--output-reproducible]
```

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```
[--validate | --no-validate]
[-o <file>] [--sv <version>] [--of <format>]
[--pyproject <file>] [--mc-type <type>]
[<python>]
```

Build an SBOM from Python (virtual) environment

positional arguments:

```
<python>           Python interpreter
```

options:

```
-h, --help          show this help message and exit
--pyproject <file>  Path to the root component's `pyproject.toml` file.
                    This should point to a file compliant with PEP 621 (storing
                    project metadata).
--mc-type <type>   Type of the main component
                    {choices: application, firmware, library}
                    (default: application)
--short-PURLs      Omit all qualifiers from PackageURLs.
                    This causes information loss in trade-off shorter PURLs, which
                    might improve ingesting these strings.
-o <file>, --outfile <file>
                    Output file path for your SBOM
                    (set to "-" to output to STDOUT)
                    (default: -)
--sv <version>, --schema-version <version>
                    The CycloneDX schema version for your SBOM
                    {choices: 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0}
                    (default: 1.5)
--of <format>, --output-format <format>
                    The output format for your SBOM
                    {choices: JSON, XML}
                    (default: JSON)
--output-reproducible
                    Whether to go the extra mile and make the output reproducible.
                    This might result in loss of time- and random-based-values.
--validate, --no-validate
                    Whether validate the result before outputting
                    (default: True)
-v, --verbose       Increase the verbosity of messages
                    (multiple for more effect)
                    (default: silent)
```

2.1.1 Examples for macOS/Linux and alike

Listing 1: Build an SBOM from python environment

```
$ cyclonedx-py environment
```

Listing 2: Build an SBOM from a Python (virtual) environment

```
$ cyclonedx-py environment '.../some/path/bin/python'
$ cyclonedx-py environment '.../some/path/.venv'
$ cyclonedx-py environment "$VIRTUAL_ENV"
```

Listing 3: Build an SBOM from specific Python environment

```
$ cyclonedx-py environment "$(which python3.9)"
```

Listing 4: Build an SBOM from conda Python environment

```
$ cyclonedx-py environment "$(conda run which python)"
```

Listing 5: Build an SBOM from Pipenv environment

```
$ cyclonedx-py environment "$(pipenv --py)"
$ cyclonedx-py environment "$(pipenv --venv)"
```

Listing 6: Build an SBOM from Poetry environment

```
$ cyclonedx-py environment "$(poetry env info --executable)"
```

Listing 7: Build an SBOM from PDM environment

```
$ cyclonedx-py environment "$(pdm info --python)"
```

2.1.2 Examples for Windows

Listing 8: Build an SBOM from python environment

```
> cyclonedx-py environment
```

Listing 9: Build an SBOM from a Python (virtual) environment

```
> cyclonedx-py environment "...\\some\\path\\bin\\python.exe"
> cyclonedx-py environment "...\\some\\path\\.venv"
> cyclonedx-py environment "$env:VIRTUAL_ENV"
> cyclonedx-py environment %VIRTUAL_ENV%
```

Listing 10: Build an SBOM from specific Python environment

```
> where.exe python3.9.exe
> cyclonedx-py environment "%path-to-specific-python%"
```

Listing 11: Build an SBOM from conda Python environment

```
> conda.exe run where.exe python  
> cyclonedx-py environment "%path-to-conda-python%"
```

Listing 12: Build an SBOM from Pipenv environment

```
> pipenv.exe --py  
> pipenv.exe --venv  
> cyclonedx-py environment "%path-to-pipenv-python%"
```

Listing 13: Build an SBOM from Poetry environment

```
> poetry.exe env info --executable  
> cyclonedx-py environment "%path-to-poetry-python%"
```

Listing 14: Build an SBOM from PDM environment

```
> pdm.exe info --python  
> cyclonedx-py environment "%path-to-pdm-python%"
```

2.2 For Pipenv

subcommand: pipenv

Support for [Pipenv](#) dependency management. This requires parsing your `Pipfile` and `Pipfile.lock` file which details exact pinned versions of dependencies.

The full documentation can be issued by running with `pipenv --help`:

```
$ cyclonedx-py pipenv --help  
usage: cyclonedx-py pipenv [-h] [-v]  
                           [--short-PURLs] [--output-reproducible]  
                           [--validate | --no-validate]  
                           [-o <file>] [--sv <version>] [--of <format>]  
                           [--categories <categories>] [-d]  
                           [--pypi-mirror <url>]  
                           [--pyproject <file>] [--mc-type <type>]  
                           [<project-directory>]
```

Build an SBOM from Pipenv manifest.

The options and switches mimic the respective ones from Pipenv CLI.

positional arguments:

<project-directory>	The project directory for Pipenv (default: current working directory) Unlike Pipenv tool, there is no search-up in this very tool. Please provide the actual directory that contains `Pipfile` and `Pipfile.lock` file.
---------------------	---

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```

options:
  -h, --help            show this help message and exit
  --categories <categories>
  -d, --dev              Analyse both develop and default packages
                         [env var: PIPENV_DEV]
  --pypi-mirror <url>  Specify a PyPI mirror
                         [env var: PIPENV_PYPI_MIRROR]
  --pyproject <file>    Path to the root component's `pyproject.toml` file.
                         This should point to a file compliant with PEP 621 (storing
                         project metadata).
  --mc-type <type>     Type of the main component
                         {choices: application, firmware, library}
                         (default: application)
  --short-PURLs         Omit all qualifiers from PackageURLs.
                         This causes information loss in trade-off shorter PURLs, which
                         might improve ingesting these strings.
  -o <file>, --outfile <file>
                         Output file path for your SBOM
                         (set to "-" to output to <stdout>)
                         (default: -)
  --sv <version>, --schema-version <version>
                         The CycloneDX schema version for your SBOM
                         {choices: 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0}
                         (default: 1.5)
  --of <format>, --output-format <format>
                         The output format for your SBOM
                         {choices: JSON, XML}
                         (default: JSON)
  --output-reproducible
                         Whether to go the extra mile and make the output reproducible.
                         This might result in loss of time- and random-based-values.
  --validate, --no-validate
                         Whether validate the result before outputting
                         (default: True)
  -v, --verbose          Increase the verbosity of messages
                         (multiple for more effect)
                         (default: silent)

```

2.3 For Poetry

subcommand: poetry

Support for Poetry dependency management and package manifest. This requires parsing your `pyproject.toml` and `poetry.lock` file which details exact pinned versions of dependencies.

The full documentation can be issued by running with `poetry --help`:

```
$ cyclonedx-poetry poetry --help
usage: cyclonedx-poetry poetry [-h] [-v]
                               [--short-PURLs] [--output-reproducible]
```

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```
[--validate | --no-validate]
[-o <file>] [--sv <version>] [--of <format>]
[--without GROUPS] [--with GROUPS] [--only <groups> | --no-
↳dev]
[-E EXTRAS | --all-extras]
[--mc-type <type>]
[<project-directory>]
```

Build an SBOM from Poetry project.

The options and switches mimic the respective ones from Poetry CLI.

positional arguments:

<project-directory> The project directory for Poetry
(default: current working directory)

options:

-h, --help	show this help message and exit
--without GROUPS	The dependency groups to ignore (multiple values allowed)
--with GROUPS	The optional dependency groups to include (multiple values allowed)
--only GROUPS	The only dependency groups to include (multiple values allowed)
--no-dev	Alias for: --only main
-E EXTRAS, --extras EXTRAS	Extra sets of dependencies to include (multiple values allowed)
--all-extras	Include all extra dependencies (default: False)
--mc-type <type>	Type of the main component {choices: application, firmware, library} (default: application)
--short-PURLs	Omit all qualifiers from PackageURLs. This causes information loss in trade-off shorter PURLs, which ↳might improve ingesting these strings.
-o <file>, --outfile <file>	Output file path for your SBOM (set to "-" to output to <stdout>) (default: -)
--sv <version>, --schema-version <version>	The CycloneDX schema version for your SBOM {choices: 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0} (default: 1.5)
--of <format>, --output-format <format>	The output format for your SBOM {choices: JSON, XML} (default: JSON)
--output-reproducible	Whether to go the extra mile and make the output reproducible. This might result in loss of time- and random-based-values.
--validate, --no-validate	

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	Whether validate the result before outputting (default: True)
-v, --verbose	Increase the verbosity of messages (multiple for more effect) (default: silent)

2.4 For Pip requirements

subcommand: requirements

Support for Pip's [requirements file format](#) dependency lists.

The full documentation can be issued by running with `requirements --help`:

```
$ cyclonedx-py requirements --help
usage: cyclonedx-py requirements [-h] [-v]
                                 [--short-PURLs] [--output-reproducible]
                                 [--validate | --no-validate]
                                 [-o <file>] [--sv <version>] [--of <format>]
                                 [-i <url>] [--extra-index-url <url>]
                                 [--pyproject <file>] [--mc-type <type>]
                                 [<requirements-file>]

Build an SBOM from Pip requirements.

The options and switches mimic the respective ones from Pip CLI.

positional arguments:
  <requirements-file>  Path to requirements file.
                       May be set to "-" to read from <stdin>.
                       (default: 'requirements.txt' in current working directory)

options:
  -h, --help            show this help message and exit
  -i <url>, --index-url <url>
                        Base URL of the Python Package Index.
                        This should point to a repository compliant with PEP 503 (the
→ simple repository API)
                        or a local directory laid out in the same format.
                        (default: https://pypi.org/simple)
  --extra-index-url <url>
                        Extra URLs of package indexes to use in addition to --index-url.
                        Should follow the same rules as --index-url
  --pyproject <file>
                        Path to the root component's `pyproject.toml` file.
                        This should point to a file compliant with PEP 621 (storing
→ project metadata).
  --mc-type <type>
                        Type of the main component
                        {choices: application, firmware, library}
                        (default: application)
  --short-PURLs
                        Omit all qualifiers from PackageURLs.
                        This causes information loss in trade-off shorter PURLs, which
```

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```
→ might improve ingesting these strings.  
-o <file>, --outfile <file>  
    Output file path for your SBOM  
    (set to "-" to output to <stdout>)  
    (default: -)  
--sv <version>, --schema-version <version>  
    The CycloneDX schema version for your SBOM  
    {choices: 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0}  
    (default: 1.5)  
--of <format>, --output-format <format>  
    The output format for your SBOM  
    {choices: JSON, XML}  
    (default: JSON)  
--output-reproducible  
    Whether to go the extra mile and make the output reproducible.  
    This might result in loss of time- and random-based-values.  
--validate, --no-validate  
    Whether validate the result before outputting  
    (default: True)  
-v, --verbose  
    Increase the verbosity of messages  
    (multiple for more effect)  
    (default: silent)
```

2.4.1 Example Usage

Listing 15: Build an SBOM from a requirements file

```
$ cyclonedx-py requirements requirements-prod.txt
```

Listing 16: Merge multiple files and build an SBOM from it

```
$ cat requirements/*.txt | cyclonedx-py requirements -
```

Listing 17: Build an inventory for all installed packages

```
$ python -m pip freeze --all | cyclonedx-py requirements -
```

Listing 18: Build an inventory for all installed packages in a conda environment

```
$ conda run python -m pip freeze --all | cyclonedx-py requirements -
```

Listing 19: Build an inventory for installed packages in a Python (virtual) environment

```
$ ../../venv/bin/python -m pip freeze --all --local --require-virtualenv |\\  
cyclonedx-py requirements -
```

Listing 20: Build an inventory from an unfrozen manifest

```
$ python -m pip install -r dependencies.txt &&\\  
python -m pip freeze | cyclonedx-py requirements -
```

2.5 For PDM

Support for [PDM](#) manifest and lockfile is not explicitly implemented, yet. See <https://github.com/CycloneDX/cyclonedx-python/issues/604>

However, since PDM utilizes Python virtual environments under the hood, it is possible to use the functionality for Python (virtual) environments as described above.

2.6 For Conda

[Conda](#) is a package manager for all kinds on environments.

However, since conda might manage a python environment under the hood, it is possible to use the functionality for Python (virtual) environments as described above.

2.7 Programmatic Usage

This tool utilizes the [CycloneDX Python library](#) to generate the actual data structures, and serialize and validate them.

This tool does **not** expose any additional *public* API or symbols - all code is intended to be internal and might change without any notice during version upgrades.

However, the CLI is stable - you might call it programmatically, like so:

```
from sys import executable  
from subprocess import run  
run((executable, '-m', 'cyclonedx_py', '--help'))
```


CONTRIBUTING

Pull requests are welcome. But please read the [CycloneDX contributing guidelines](#) first.

3.1 Setup

This project uses [poetry](#). Have it installed and setup first.

To install dev-dependencies and tools:

```
poetry install
```

3.2 Code style

This project uses [PEP8](#) Style Guide for Python Code. This project loves sorted imports. Get it all applied via:

```
poetry run isort .
poetry run autopep8 -ir cyclonedx_py/ tests/
```

This project prefers `f'strings'` over `'string'.format()`. This project prefers 'single quotes' over "double quotes". This project prefers `lower_snake_case` variable names.

3.3 Documentation

This project uses [Sphinx](#) to generate documentation which is automatically published to RTFD.

Source for documentation is stored in the `docs` folder in [RST](#) format.

You can generate the documentation locally by running:

```
cd docs
pip install -r requirements.txt
make html
```

3.4 Testing

```
poetry run tox run
```

3.5 Sign off your commits

Please sign off your commits, to show that you agree to publish your changes under the current terms and licenses of the project , and to indicate agreement with [Developer Certificate of Origin \(DCO\)](#).

```
git commit --signoff ...
```

**CHAPTER
FOUR**

SUPPORT

If you run into issues utilising this library, please raise a [GitHub Issue](#). When raising an issue please include as much detail as possible including:

- Version cyclonedx-bom you have installed. fetch via `python -m cyclonedx_py --version`.
- Input(s) you used, as well as command line options and switches
- Expected Output(s)
- Actual Output(s)

**CHAPTER
FIVE**

PYTHON SUPPORT

We endeavour to support all functionality for all [current actively supported Python versions](#). However, some features may not be possible/present in older Python versions due to their lack of support.

CHANGELOG

6.1 CHANGELOG

6.1.1 v4.4.3 (2024-04-26)

Fix

- fix: do not use cyclonedx-lib==7.3.1 (#729)

add regression test for #727 fixes #727

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^aa715c0` <<https://github.com/CycloneDX/cyclonedx-python/commit/aa715c0e94045c35fda7b6908c3c59cb84fb5e0c>>`_)

6.1.2 v4.4.2 (2024-04-21)

Fix

- fix: release lates container image (#726)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^0155450` <<https://github.com/CycloneDX/cyclonedx-python/commit/015545014d7bb0fe72438d6707db4abc89dba031>>`_)

6.1.3 v4.4.1 (2024-04-21)

Fix

- fix: release lates container image (#725)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^8ba9d0b` <<https://github.com/CycloneDX/cyclonedx-python/commit/8ba9d0b35f9d9593b5a3e232bf5e92d79b42fab9>>`_)

6.1.4 v4.4.0 (2024-04-21)

Chore

- chore: semantic-release git commit/sign valid email address

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'692b8ea` <<https://github.com/CycloneDX/cyclonedx-python/commit/692b8eaa0aecf7821e829edd6324cf33f07a86b7>>`_)

Feature

- feat: publish to GHCR (#724)

Tee container image version of the app is also available on GitHubContainerRegistry: <<https://github.com/orgs/CycloneDX/packages/container/package/cyclonedx-python>>;

Signed-off-by: jxdv <virgoj@protonmail.com> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Signed-off-by: semantic-release <semantic-release@bot.local> Co-authored-by: jxdv <virgoj@protonmail.com> Co-authored-by: semantic-release <semantic-release@bot.local> (`'8c18484` <<https://github.com/CycloneDX/cyclonedx-python/commit/8c184842af1a790692a898e9437a209a8fa65422>>`_)

6.1.5 v4.3.0 (2024-04-20)

Feature

- feat: improve declared licenses detection (#722)
- Add declared licenses from License Troves if not mapped to SPDX license ID
- CycloneDX 1.6 mark licenses as "declared"

fixes #718

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'b0ae453` <<https://github.com/CycloneDX/cyclonedx-python/commit/b0ae453e7dc69356ba5e1b987a6b19a31d106909>>`_)

6.1.6 v4.2.0 (2024-04-18)

Feature

- feat: support CycloneDX 1.6 output (#720)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'639b35a` <<https://github.com/CycloneDX/cyclonedx-python/commit/639b35ad7e9aa832a4ad9b489a2391348f97fc15>>`_)

6.1.7 v4.1.6 (2024-04-15)

Fix

- fix: more resilient PEP610 parsing (#716)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'93f0184` <<https://github.com/CycloneDX/cyclonedx-python/commit/93f0184dd969db1536128d1ec4861f84977f0a91>>`_)

6.1.8 v4.1.5 (2024-04-11)

Fix

- fix: docs for default of CLI switch --mc-type (#710)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'a218b40` <<https://github.com/CycloneDX/cyclonedx-python/commit/a218b40ae8bc383e449b69ba3aa5280253387f19>>`_)

6.1.9 v4.1.4 (2024-03-28)

Chore

- chore(deps-dev): Update autopep8 requirement from 2.0.4 to 2.1.0 (#699)

Updates the requirements on `autopep8` to permit the latest version.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: autopep8 dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`'59f07c1` <<https://github.com/CycloneDX/cyclonedx-python/commit/59f07c1f26be43111c50194d86796731aa4fa1e>>`_)

- chore(deps-dev): Update flake8-logging requirement from 1.5.0 to 1.6.0 (#701)

Updates the requirements on `flake8-logging` to permit the latest version.

- [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-logging dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`'dfc63b6` <<https://github.com/CycloneDX/cyclonedx-python/commit/dfc63b650408545e53e065b595bd4ab2e4302f7c>>`_)

- chore(deps-dev): Update tox requirement from 4.14.1 to 4.14.2 (#700)

Updates the requirements on `tox` to permit the latest version.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: tox dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com>; Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`7ae2145` <<https://github.com/CycloneDX/cyclonedx-python/commit/7ae2145de46db25881375a9f179f13c9e68c23ac>>_)

- chore(deps): Update packaging requirement || ^24 (#697)
-

updated-dependencies:

- dependency-name: packaging dependency-type: direct:production ...

Signed-off-by: dependabot[bot] <support@github.com>; Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`bd3f232` <<https://github.com/CycloneDX/cyclonedx-python/commit/bd3f2324fbe80bb3bab7efcab8837adba04e14ac>>_)

- chore(deps-dev): Update coverage requirement from 7.4.3 to 7.4.4 (#696)

Updates the requirements on [coverage](#) to permit the latest version.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: coverage dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com>; Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`8181ce9` <<https://github.com/CycloneDX/cyclonedx-python/commit/8181ce98ad66e39af762271fd6d19ce7cc69b1cc>>_)

Fix

- fix: poetry analyzer crashed with certain optional package's version constraints (#703)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>; (`8ade6e1` <<https://github.com/CycloneDX/cyclonedx-python/commit/8ade6e18637428e86332ecd1019416dfc121e862>>_)

6.1.10 v4.1.3 (2024-03-15)

Chore

- chore(deps): Bump python-semantic-release/python-semantic-release (#683)

Bumps [python-semantic-release/python-semantic-release](#) from 8.5.1 to 9.1.1.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: [python-semantic-release/python-semantic-release](#) dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (`[f27170edfd...`\)](https://github.com/CycloneDX/cyclonedx-python/commit/f27170edfd...)

- chore(deps): Bump actions/setup-python from 4 to 5 (#673)

Bumps [actions/setup-python](#) from 4 to 5.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: [actions/setup-python](#) dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (`[e661fb2...`\)](https://github.com/CycloneDX/cyclonedx-python/commit/e661fb2...)

- chore(deps-dev): Update bandit requirement from 1.7.7 to 1.7.8 (#688)

Updates the requirements on [bandit](#) to permit the latest version.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: [bandit](#) dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (`[40f16e0...`\)](https://github.com/CycloneDX/cyclonedx-python/commit/40f16e0...)

- chore(deps-dev): Update tox requirement from 4.13.0 to 4.14.1 (#687)

Updates the requirements on [tox](#) to permit the latest version.

- [Release notes](#)

- [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: tox dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`16efe0b` <<https://github.com/CycloneDX/cyclonedx-python/commit/16efe0b14fa80bafa986998bde3c4c92090906ed>>) [View on GitHub](#)

- chore(deps-dev): Update mypy requirement from 1.8.0 to 1.9.0 (#686)

Updates the requirements on [mypy](#) to permit the latest version.

- [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`de3be95` <<https://github.com/CycloneDX/cyclonedx-python/commit/de3be95b6deb2801adf0d8389183627274a71968>>) [View on GitHub](#)

- chore(deps-dev): Update tox requirement from 4.11.4 to 4.13.0 (#685)

Updates the requirements on [tox](#) to permit the latest version.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: tox dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`33d2b9b` <<https://github.com/CycloneDX/cyclonedx-python/commit/33d2b9b492d1ea85028f1c890745117fed82ac1f>>) [View on GitHub](#)

- chore(deps-dev): Update ddt requirement from 1.7.1 to 1.7.2 (#684)

Updates the requirements on [ddt](#) to permit the latest version.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: ddt dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`743324a` <<https://github.com/CycloneDX/cyclonedx-python/commit/743324aaa9a7b16c33ec4b164d0e59a82c9e6a3e>>) [View on GitHub](#)

Ci

- ci: default to python 3.12 (#693)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`dc81c35` <<https://github.com/CycloneDX/cyclonedx-python/commit/dc81c35e3389906ef1fe6944ee720b17c47a19e7>>_)

Documentation

- docs: imprve environment use cases and examples (#690)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`0d38c7b` <<https://github.com/CycloneDX/cyclonedx-python/commit/0d38c7b252e8d7f868656dd4663d1aac1c10fba5>>_)

Fix

- fix: declared license texts as such, not as license name (#694)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`ec7ab3e` <<https://github.com/CycloneDX/cyclonedx-python/commit/ec7ab3eb3a0aba31ce84227637aa0c91e05e76ba>>_)

6.1.11 v4.1.2 (2024-03-01)

Build

- build: use poetry v1.8.1 (#682)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`dba63b8` <<https://github.com/CycloneDX/cyclonedx-python/commit/dba63b8509336757d17d1cd21cdbe72517ecfd67>>_)

Chore

- chore(deps-dev): Update coverage requirement from 7.4.1 to 7.4.3 (#680)

Updates the requirements on `coverage` to permit the latest version.

- Release notes
 - Changelog
 - Commits
-

updated-dependencies:

- dependency-name: coverage dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`dadc9b5` <<https://github.com/CycloneDX/cyclonedx-python/commit/dadc9b50fb2738f76cc5a5a32ace57491789a52c>>_)

- chore(deps): Bump Gr1N/setup-poetry from 8 to 9 (#681)

Bumps `Gr1N/setup-poetry` from 8 to 9.

- Release notes
- Commits

updated-dependencies:

- dependency-name: Gr1N/setup-poetry dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`5ee8bb2` <<https://github.com/CycloneDX/cyclonedx-python/commit/5ee8bb2e32ed0d6410b456ed3660690077142e2e>>)

- chore(deps-dev): Update flake8-quotes requirement from 3.3.2 to 3.4.0 (#679)

Updates the requirements on `flake8-quotes` to permit the latest version.

- [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-quotes dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`4da9c9e` <<https://github.com/CycloneDX/cyclonedx-python/commit/4da9c9edb604cad57757c50f277f07289fef3880>>)

- chore(deps-dev): Update flake8-bugbear requirement (#677)

Updates the requirements on `flake8-bugbear` to permit the latest version.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`14a8ec0` <<https://github.com/CycloneDX/cyclonedx-python/commit/14a8ec025e6aca0c2d8b6c0875a23f708b152923>>)

6.1.12 v4.1.1 (2024-02-03)

Documentation

- docs: improve example for programmatic call of CLI (#670)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`2ac3f21` <<https://github.com/CycloneDX/cyclonedx-python/commit/2ac3f218840b256bc84f25fa962feb484800860>>)

Fix

- fix: normalize package extras (#671)

ALL names of package extras are normalized, according to spec <<https://packaging.python.org/en/latest/specifications/name-normalization/#name-normalization>>

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^4d550ad` <<https://github.com/CycloneDX/cyclonedx-python/commit/4d550ad2467bcfbf3a8705188fd4f15e0dee194e>>`_)

6.1.13 v4.1.0 (2024-02-02)

Feature

- feat: support poetry multi-constraint dependencies (#668)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^50d2a4b` <<https://github.com/CycloneDX/cyclonedx-python/commit/50d2a4bb1827fc0e7de83a7f78fc0a4d278df93e>>`_)

Unknown

- tests: modernize testbeds (#667)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^2fd3faf` <<https://github.com/CycloneDX/cyclonedx-python/commit/2fd3faf45a5d3b9024bbf47d6e50c995880e2fd4>>`_)

- docs (#666)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^491e875` <<https://github.com/CycloneDX/cyclonedx-python/commit/491e87564d124ccc91e21772423a10434ba5ff28>>`_)

6.1.14 v4.0.0 (2024-01-31)

Breaking

- feat!: v4.0.0 (#605)

6.1.15 Changelog

See also the migration guide in the docs.

- BC: Removed support for python < 3.8
- BC: Removed deprecated shell script `cyclonedx-bom`; use `cyclonedx-py` instead
- BC: Removed conda support. However, conda's Python environments are fully supported. See below.
- BC: Removed public API. You may use the CLI instead, see chapter "usage" in the docs.
- BC: Complete redesign of the CommandLineInterface(CLI):
 - Uses sub-commands for easy accessibility and divide in specific purposes and domains
 - Easy understandable flags, switches and options – in accordance with the domains
 - Updated help pages, added usage examples

- Dozens of new features and fixes, such as:
 - *environment* analyzer supports any Python (virtual) environment – including support for, but not limited to: *conda*, *Hatch*, *PDM*, *Pipenv*, *Poetry*, *venv*, *virtualenv*
 - *Poetry* analyzer support groups, filtering, and such
 - *Pipenv* analyzer support categories, filtering, and such
 - *requirements* analyzer is feature complete and fixed
 - More details in the SBOM results (based on method)
 - PackageURLs may have more qualifiers (enabled per default, disable via `--short-PURLs`)
 - component properties according to [official taxonomy](#)
 - SBOM results may be validated (enabled per default, disable via `--no-validate`)
 - SBOM results may have dependency graph populated (if supported by method - applies to *environment* and *Poetry*)
 - SBOM results may have root-component populated (if *pyproject* provided)
 - SBOM results are more `diff`-friendly and not just one long line of text
 - Fixed possible issues with input data encoding
 - May omit dev-dependencies or domain-specific groups/categories (if supported by method and issued by CLI switches)
 - Strip authentication secrets from (private) download/index URLs
 - Support CycloneDX 1.5 - which is the default now
 - Upgraded documentation, examples, ...
 - Complete rewrite from scratch
 - Dependencies were bumped, dropped, added, ...
 - QA and test suites were massively enhanced
-

Signed-off-by: Paul Horton <paul.horton@owasp.org> Signed-off-by: Thomas Graf <thomas.graf@siemens.com> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Signed-off-by: dependabot[bot] <support@github.com> Signed-off-by: Andreas Fehlner <fehlner@arcor.de> Signed-off-by: Jan Kowalleck <jan.kowalleck@owasp.org> Signed-off-by: semantic-release <semantic-release> Co-authored-by: Paul Horton <paul.horton@owasp.org> Co-authored-by: Thomas Graf <thomas.graf@siemens.com> Co-authored-by: semantic-release <semantic-release> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> Co-authored-by: github-actions <github-actions@github.com> Co-authored-by: Andreas Fehlner <fehlner@arcor.de> (`6d24e65` <<https://github.com/CycloneDX/cyclonedx-python/commit/6d24e656835d1be2705237100b289ae0c3ff51df>>_)

Chore

- chore(deps): Bump actions/setup-python from 4 to 5 (#620)

Bumps [actions/setup-python](#) from 4 to 5.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: actions/setup-python dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (`0181aeb` <<https://github.com/CycloneDX/cyclonedx-python/commit/0181aeb40a23c312d2a2540d106269bb0413cf4c>>_)

6.1.16 v3.11.7 (2023-11-03)

Fix

- fix: toml-compatible fingers-crossed handling for failed input data decoding (#613)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`fb3d7bf` <<https://github.com/CycloneDX/cyclonedx-python/commit/fb3d7bfd1216ad8b5328a1d348fea04fee31d3a4>>_)

Unknown

- 3.11.7

Automatically generated by python-semantic-release (`f680a9a` <<https://github.com/CycloneDX/cyclonedx-python/commit/f680a9a0d1b56f14c416f45877207ab1838f1c1c>>_)

6.1.17 v3.11.6 (2023-11-03)

Fix

- fix: added a fingers-crossed handling for failed input data decoding (#612)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`be55902` <<https://github.com/CycloneDX/cyclonedx-python/commit/be559020e482795c6603f36e98713c6f7bde1e34>>_)

Unknown

- 3.11.6

Automatically generated by python-semantic-release (`6002e0e` <<https://github.com/CycloneDX/cyclonedx-python/commit/6002e0ee2e74f1157718500a23a3d2236eb91919>>_)

6.1.18 v3.11.5 (2023-10-20)

Fix

- fix: Custom input encoding (#601)

The custom input specified via CLI's -i option did not properly detect the input encoding. This was fixed.

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^363934c` <<https://github.com/CycloneDX/cyclonedx-python/commit/363934c0bc69ebbb23472f1173bf3c6b1e3c023a>>`_)

Unknown

- 3.11.5

Automatically generated by python-semantic-release (`^4cd517` <<https://github.com/CycloneDX/cyclonedx-python/commit/46cd51753ab4746396d4c3d298292d6d3bf25056>>`_)

6.1.19 v3.11.4 (2023-10-19)

Fix

- fix: Input file encoding fallback

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^0bc7296` <<https://github.com/CycloneDX/cyclonedx-python/commit/0bc72964d0578f713f405bc101742ef096bf8fd7>>`_)

Unknown

- 3.11.4

Automatically generated by python-semantic-release (`^70889be` <<https://github.com/CycloneDX/cyclonedx-python/commit/70889bedfcc10635b487a9a677316aab263c2184>>`_)

6.1.20 v3.11.3 (2023-10-19)

Chore

- chore: Update CONTRIBUTING.md

Signed-off-by: Jan Kowalleck <jan.kowalleck@owasp.org> (`^4adab1c` <<https://github.com/CycloneDX/cyclonedx-python/commit/4adab1c4b5d79416db6fa6b24928ec7358ad4268>>`_)

- chore(deps): Bump actions/checkout from 3 to 4 (#581)

Bumps actions/checkout from 3 to 4.

- Release notes
- Changelog
- Commits

updated-dependencies:

- dependency-name: actions/checkout dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`7a3f8d2` <<https://github.com/CycloneDX/cyclonedx-python/commit/7a3f8d259cd6f9aa9afbbe5333e3605d4c5a4285>>`_)

Documentation

- docs: publish coverage (#600)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`bd4f48e` <<https://github.com/CycloneDX/cyclonedx-python/commit/bd4f48ef7f3c4c890a138c45dbc87f6ca3e2cf7b>>`_)

- docs: adjust syntax hilight for code blocks (#592)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`ccac31e` <<https://github.com/CycloneDX/cyclonedx-python/commit/ccac31eb4d0996236da24ca9efb57af66bd1a020>>`_)

- docs: mark ShellSession in README

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`411cf3d` <<https://github.com/CycloneDX/cyclonedx-python/commit/411cf3d0a4b5005c1591211ecdc464d4747d69f1>>`_)

Fix

- fix: input file encoding (#596)

Input files in lock-format are expected in a certain encoding, other input file encodings are detected.

fixes <https://github.com/CycloneDX/cyclonedx-python/issues/448>

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Co-authored-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`a9dda4b` <<https://github.com/CycloneDX/cyclonedx-python/commit/a9dda4bfd0e68529628eab99b6db00fb5214bfc3>>`_)

Unknown

- 3.11.3

Automatically generated by python-semantic-release (`02ab8cb` <<https://github.com/CycloneDX/cyclonedx-python/commit/02ab8cbcf4bb495dbfc4e6e4ba5743f312d2abb0>>`_)

- Update usage.rst (#572)

Signed-off-by: Andreas Fehlner <fehlner@arcor.de> (`04e1ea8` <<https://github.com/CycloneDX/cyclonedx-python/commit/04e1ea8af23c55940c77ca8ab4af53bfa3f93647>>`_)

6.1.21 v3.11.2 (2023-07-12)

Fix

- fix: referenced branch `main`, instead of `master` (#562)

somebody renamed the `master` branch to `main`. but forgot to transition the docs.

fixed this

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`830d15c` <<https://github.com/CycloneDX/cyclonedx-python/commit/830d15c27fadb475fa9a15918b1d5930cd71834d>>`_)

Unknown

- 3.11.2

Automatically generated by python-semantic-release (`614f6fa` <<https://github.com/CycloneDX/cyclonedx-python/commit/614f6fa0994132170bb8911dcd2eccdaed288ec0>>`_)

6.1.22 v3.11.1 (2023-07-12)

Chore

- chore: finish transition to main branch (#561)

somebody renamed the `master` branch to `main`. but forgot to transition the CI triggers.

fixed this

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`ea233cb` <<https://github.com/CycloneDX/cyclonedx-python/commit/ea233cbced743859842336bfcc0cdd07ad3a7da>>`_)

- chore(deps): Bump relekang/python-semantic-release from 7.33.1 to 7.34.6 (#550)

Bumps relekang/python-semantic-release from 7.33.1 to 7.34.6.

- Release notes
- Changelog
- Commits

updated-dependencies:

- dependency-name: relekang/python-semantic-release dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`82c901b` <<https://github.com/CycloneDX/cyclonedx-python/commit/82c901b829162f592a34313a22446413244398a0>>`_)

- chore: rename file for lowest constraints/requirements (#517)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`b4f0403` <<https://github.com/CycloneDX/cyclonedx-python/commit/b4f04033452403dd3bf75d3ead034b7c2a92ae8e>>`_)

- chore: rename file for lowest constraints/requirements (#516)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^a262bdb` <<https://github.com/CycloneDX/cyclonedx-python/commit/a262bdb4a1e2692872d6b31ecf694c3cf6f0616f>>`_)

- chore: rename file for lowest constraints/requirements (#515)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^a096cc7` <<https://github.com/CycloneDX/cyclonedx-python/commit/a096cc7c1e890ef87005ccf271bcf5da5093240a>>`_)

- chore: rename file for lowest constraints/requirements (#514)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^02d8437` <<https://github.com/CycloneDX/cyclonedx-python/commit/02d8437bbddf8e02727368abdfb80a7b5313d210>>`_)

- chore: adjust lowest constraints/requirements (#513)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^c8e6d0d` <<https://github.com/CycloneDX/cyclonedx-python/commit/c8e6d0d3f25c8acc1f74b498bfaaf814885da48a>>`_)

Ci

- ci: finish transition to main branch (#560)

somebody renamed the `master` branch to `main`. but forgot to transition the CI triggers.

fixed this

followup of #558

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^0ea56c7` <<https://github.com/CycloneDX/cyclonedx-python/commit/0ea56c764870240a5636be2ca2ec16ae2e342e43>>`_)

- ci: adjust release concurecncy (#559)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^4b0ceac` <<https://github.com/CycloneDX/cyclonedx-python/commit/4b0ceac138d309e2b0e4a516161ca3f5b9567c1a>>`_)

- ci: finish transition to main branch (#558)

somebody renamed the `master` branch to `main`. but forgot to transition the CI triggers.

fixed this

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^7556eb9` <<https://github.com/CycloneDX/cyclonedx-python/commit/7556eb98e4e985304a8afd876c8dd2c79f62d298>>`_)

- ci: add build concurrency (#557)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^fbcede26` <<https://github.com/CycloneDX/cyclonedx-python/commit/fbcde26d392a5e3ab463ea92b602ba09d0f941ec>>`_)

- ci: disable tests on windows with `py>=3.8` (#556)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^c95e384` <<https://github.com/CycloneDX/cyclonedx-python/commit/c95e384e3f071d6370440410f0d4944c969922ca>>`_)

Fix

- fix: fix typo in help page (#552)

it's -> its

fixes #551

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`19bf41a` <<https://github.com/CycloneDX/cyclonedx-python/commit/19bf41a52a698ee3ddee5fafc5d293ea3d9427be>>_)

Unknown

- 3.11.1

Automatically generated by python-semantic-release (`d90b45c` <<https://github.com/CycloneDX/cyclonedx-python/commit/d90b45c4d11abe2c5abab794005a7565b8c3cf12>>_)

6.1.23 v3.11.0 (2023-02-11)

Chore

- chore(deps): Bump relekang/python-semantic-release from 7.31.4 to 7.33.1 (#492)

Bumps [relekang/python-semantic-release](#) from 7.31.4 to 7.33.1.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

updated-dependencies:

- dependency-name: relekang/python-semantic-release dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`04a25b1` <<https://github.com/CycloneDX/cyclonedx-python/commit/04a25b1d37fc53cc182d52f947f2f72f970ff9c7>>_)

- chore: fix lowest requirements for tests (#499)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`4928515` <<https://github.com/CycloneDX/cyclonedx-python/commit/492851592fe8c130a3e55fe79c46bdf1d0def7bc>>_)

- chore(deps): Bump types-toml from 0.10.8 to 0.10.8.3 (#496)

Bumps [types-toml](#) from 0.10.8 to 0.10.8.3.

- [Release notes](#)
- [Commits](#)

updated-dependencies:

- dependency-name: types-toml dependency-type: direct:production update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`2cf3379` <<https://github.com/CycloneDX/cyclonedx-python/commit/2cf33792581771c9c3ad49609ec5347ffcef8049>>`_)

- chore(deps): Bump pip-requirements-parser from 32.0.0 to 32.0.1 (#493)

Bumps [pip-requirements-parser](#) from 32.0.0 to 32.0.1.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: pip-requirements-parser dependency-type: direct:production update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`b5e8e93` <<https://github.com/CycloneDX/cyclonedx-python/commit/b5e8e93fcda6698dbc91dd5b81767cf51f8edce6>>`_)

- chore: add Paul Horton & Jan Kowalleck as a maintainer

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`b1a52fc` <<https://github.com/CycloneDX/cyclonedx-python/commit/b1a52fc297f0ee774e77ceff47b99d780a4cc58c>>`_)

- chore(deps): Bump Gr1N/setup-poetry from 7 to 8 (#480)

Bumps [Gr1N/setup-poetry](#) from 7 to 8.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: Gr1N/setup-poetry dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`bd97484` <<https://github.com/CycloneDX/cyclonedx-python/commit/bd9748416c035980175fcf25c9cd63b6a7277917>>`_)

- chore: editorconfig

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`2122dba` <<https://github.com/CycloneDX/cyclonedx-python/commit/2122dba8fada2336f7fd07dff33321dea165858b>>`_)

- chore(deps-dev): slack version pinning of mypy (#478)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`8ab1b4b` <<https://github.com/CycloneDX/cyclonedx-python/commit/8ab1b4b527334ddd1d4a25f8c48310f070a37619>>`_)

Documentation

- docs: fix typo in CLI help page (#490) (``a8a8445` <

Signed-off-by: Thomas Beutlich <thomas.beutlich@neocx.de>; Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>; Co-authored-by: Jan Kowalleck <jan.kowalleck@gmail.com> \(edbe3d4` <https://github.com/CycloneDX/cyclonedx-python/commit/edbe3d4e0ee62396ac10b42dd9ee5d6094817675>`\)`

- docs: fix shields (#473)

caused by <https://github.com/badges/shields/issues/8671>

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`e32b288` <https://github.com/CycloneDX/cyclonedx-python/commit/e32b28894a8859925f22a1f45aec8608e7cd8bc3>`)`

Feature

- feat: deprecated CLI command `cyclonedx-bom` prints deprecation warning on STDERR before execution (#489)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`2009236` <https://github.com/CycloneDX/cyclonedx-python/commit/2009236c537af212aab1d5907e02f2b003f3062c>`)`

Unknown

- 3.11.0

Automatically generated by python-semantic-release (`fe5ea31` <https://github.com/CycloneDX/cyclonedx-python/commit/fe5ea31ef5e6c33702b7cb63064b7a21e177fd49>`)`

6.1.24 v3.10.1 (2022-12-15)

Documentation

- docs: improve CONTRIBUTION instructions - sign-off step (#470)

Signed-off-by: Roland Weber <rolweber@de.ibm.com> (`578c0a8` <https://github.com/CycloneDX/cyclonedx-python/commit/578c0a88e63c804b1462e3d3b617f56b53b6012e>`)`

Fix

- fix: PURL for PyPI packages from 'conda list' have the correct format now (#471)

Signed-off-by: Roland Weber <rolweber@de.ibm.com> (`1573064` <https://github.com/CycloneDX/cyclonedx-python/commit/157306483a21583d752714a77ad7d0c7395291e5>`)`

Unknown

- 3.10.1

Automatically generated by python-semantic-release (``7b44aea` <<https://github.com/CycloneDX/cyclonedx-python/commit/7b44aeab491be5f91cb3fc895b9429c4dfe01ecc>>`_)

6.1.25 v3.10.0 (2022-12-13)

Feature

- feat: add support for poetry lock format v2.0 (#469)

Signed-off-by: tewfik-ghariani <tewfik.ghariani@1und1.de> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Co-authored-by: tewfik-ghariani <tewfik.ghariani@1und1.de> (``0b1e07f` <<https://github.com/CycloneDX/cyclonedx-python/commit/0b1e07f91aada201088605a84ea394182ce0f10e>>`_)

Unknown

- 3.10.0

Automatically generated by python-semantic-release (``2501bed` <<https://github.com/CycloneDX/cyclonedx-python/commit/2501bedfb72a48ba8418ba9c0b11710f9b1fb135>>`_)

6.1.26 v3.9.0 (2022-12-13)

Feature

- feat: parsers can output more debug messages (#466)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``9eedb4f` <<https://github.com/CycloneDX/cyclonedx-python/commit/9eedb4ff27bb81f4ad323e9fa0f79230b0710032>>`_)

Unknown

- 3.9.0

Automatically generated by python-semantic-release (``895f597` <<https://github.com/CycloneDX/cyclonedx-python/commit/895f5971b5e14031eb464b4038a3adce0a810f2d>>`_)

6.1.27 v3.8.0 (2022-12-12)

Feature

- feat: error- and debug-output is send to STDERR, instead of STDOUT (#465)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``f543b69` <<https://github.com/CycloneDX/cyclonedx-python/commit/f543b69ee4463df3fb4d4b7c86475562f62e4744>>`_)

Unknown

- 3.8.0

Automatically generated by python-semantic-release (``24c4163` <<https://github.com/CycloneDX/cyclonedx-python/commit/24c4163d4dd2d17fd7aa62e088c33bc7615625e9>>`_)

6.1.28 v3.7.4 (2022-12-12)

Chore

- chore: dependabot fix config

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``889a83e` <<https://github.com/CycloneDX/cyclonedx-python/commit/889a83e4959391d010e536e3ed72f6ddf7a5cb1f>>`_)

- chore: dependabot interval weekly (#454)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``876ed30` <<https://github.com/CycloneDX/cyclonedx-python/commit/876ed30b55300ad4abd4b078609d1b8d6e0e08a5>>`_)

Fix

- fix: ignore broken licenses in env parser (#463)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``3118acd` <<https://github.com/CycloneDX/cyclonedx-python/commit/3118acdf180b6d8d35a637b3e94dc6ec7c5c5b3d>>`_)

Unknown

- 3.7.4

Automatically generated by python-semantic-release (``de188b8` <<https://github.com/CycloneDX/cyclonedx-python/commit/de188b82fd05dcf3010095263c1a93bc1a5ca662>>`_)

6.1.29 v3.7.3 (2022-12-11)

Chore

- chore: Bump flake8-bugbear from 22.8.23 to 22.9.23 (#422)

Bumps `flake8-bugbear` from 22.8.23 to 22.9.23.

- Release notes
- Commits

updated-dependencies:

- dependency-name: `flake8-bugbear` dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>

Signed-off-by: dependabot[bot] <support@github.com> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Co-authored-by: dependabot[bot] <`b05c55a` <<https://github.com/CycloneDX/cyclonedx-python/commit/b05c55a7f191521a4d0b4bda29bdef3d250d8b4a>>`_>

Ci

- ci: test dockerimage with more unique version identifier (#453)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`5a7fb9a` <<https://github.com/CycloneDX/cyclonedx-python/commit/5a7fb9a374b336ee72852d8f4ccd9bcd0dfe0a36>>`_>)

- ci: migrate set-output to >> \$GITHUB_OUTPUT (#452)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`bf133a3` <<https://github.com/CycloneDX/cyclonedx-python/commit/bf133a3c7a436a25bd6930eae7be435747c8b521>>`_>)

- ci: fix py36 (#451)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`b35e2bf` <<https://github.com/CycloneDX/cyclonedx-python/commit/b35e2bfaf5703dc23fd9790114f014825a56404e>>`_>)

Fix

- fix: adjust dependency pip-requirements-parser to a working version (#450)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`6101986` <<https://github.com/CycloneDX/cyclonedx-python/commit/610198659be408b5ef17d649aa381944d992a7dd>>`_>)

Unknown

- 3.7.3

Automatically generated by python-semantic-release (`d425005` <<https://github.com/CycloneDX/cyclonedx-python/commit/d4250057b3d2ed3e7b99bdd983d2b02945e78fc3>>`_>)

6.1.30 v3.7.2 (2022-11-15)

Fix

- fix: add a missing space in the help pages path to (#443)
- docs: fix typo path to
- fix(help): added the missing space path to

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> Co-authored-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`bc5fe57` <<https://github.com/CycloneDX/cyclonedx-python/commit/bc5fe5760565e608387ad7638126869550d65213>>`_>)

Unknown

- 3.7.2

Automatically generated by python-semantic-release (``7aff239` <https://github.com/CycloneDX/cyclonedx-python/commit/7aff239caa22c6a4d7bc1dcbe6a1f1439dc0bf8f>`_)`

6.1.31 v3.7.1 (2022-11-10)

Chore

- chore(dep): bump and devide coverage (#438)
- chore(deps): bump coverage
- chore(deps): bump coverage locked

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``db051d1` <https://github.com/CycloneDX/cyclonedx-python/commit/db051d12660c5b6cc8209234a48f51b9e0657cec>`_)`

Ci

- ci: enable py311 & bump poetry (#437)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``b7d5a4e` <https://github.com/CycloneDX/cyclonedx-python/commit/b7d5a4eb09e2348df34942d2afdf2a149efd9378>`_)`

- ci: fix python-version for static-code-analysis (#439)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``86daf68` <https://github.com/CycloneDX/cyclonedx-python/commit/86daf68a12c385406422dae3a582a48d0ca5e82>`_)`

Fix

- fix(EnvironmentParser): reduced crashes if no Classifiers are found (#441)

fixes #440

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``67f56e7` <https://github.com/CycloneDX/cyclonedx-python/commit/67f56e7bfa4fb9d50654ebd07ece1ad14377a355>`_)`

Unknown

- 3.7.1

Automatically generated by python-semantic-release (``b2a97e0` <https://github.com/CycloneDX/cyclonedx-python/commit/b2a97e0328c4fb720717ff2233c357b76b1b73e7>`_)`

6.1.32 v3.7.0 (2022-11-10)

Feature

- feat: pass purl-bom-ref to EnvironmentParser (#432)

Signed-off-by: a1lu <github.foreshoe@slmail.me> (`7cfeeb` <<https://github.com/CycloneDX/cyclonedx-python/commit/7cfeeb389b3c63b69ad93aec1a709231da2901>>`_)

Unknown

- 3.7.0

Automatically generated by python-semantic-release (`8c9a65a` <<https://github.com/CycloneDX/cyclonedx-python/commit/8c9a65a17daf6feaa30dbe934235ce1ac67a43eb>>`_)

6.1.33 v3.6.4 (2022-11-10)

Fix

- fix(EnvironmentParser): remove code break when classifier parsing in py>=3.8 (#431)

Signed-off-by: a1lu <github.foreshoe@slmail.me> (`4ab075e` <<https://github.com/CycloneDX/cyclonedx-python/commit/4ab075ee814571a8dc8c1e7b962686b232619330>>`_)

Unknown

- 3.6.4

Automatically generated by python-semantic-release (`f718356` <<https://github.com/CycloneDX/cyclonedx-python/commit/f7183563ca812aa92fd267e588447fe45de1810b>>`_)

6.1.34 v3.6.3 (2022-09-19)

Fix

- fix: CI release pipeline

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`99ccdc6` <<https://github.com/CycloneDX/cyclonedx-python/commit/99ccdc671f5a7a941f31199813bce71405bbfdd8>>`_)

Unknown

- 3.6.3

Automatically generated by python-semantic-release (`ddea61e` <<https://github.com/CycloneDX/cyclonedx-python/commit/ddea61e60cceef20a1b3237af4f30340d1d76bc26>>`_)

6.1.35 v3.6.2 (2022-09-19)

Chore

- chore: Bump packageurl-python from 0.9.9 to 0.10.3 (#416)

Bumps packageurl-python from 0.9.9 to 0.10.3.

- Release notes
 - Changelog
 - Commits
-

updated-dependencies:

- dependency-name: packageurl-python dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`2d6dade` <<https://github.com/CycloneDX/cyclonedx-python/commit/2d6dadef49c6c2fb6bafb2ef10702125f2af11cb>>`_)

Fix

- fix: CI release pipeline

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`6515071` <<https://github.com/CycloneDX/cyclonedx-python/commit/6515071fc95d2b460577d0fbceb7d6c34a18c508>>`_)

Unknown

- 3.6.2

Automatically generated by python-semantic-release (`0a8f8ff` <<https://github.com/CycloneDX/cyclonedx-python/commit/0a8f8ffd9978e59e1c158c981c410d2788ecafb4>>`_)

6.1.36 v3.6.1 (2022-09-19)

Fix

- fix: properly declare licenses from environment (#417)

use named licenses instead of license expressions.

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`25f9e29` <<https://github.com/CycloneDX/cyclonedx-python/commit/25f9e29a162f20918b6f1bbe887cc7b18c623c16>>`_)

Unknown

- 3.6.1

Automatically generated by python-semantic-release (``89c262a` <<https://github.com/CycloneDX/cyclonedx-python/commit/89c262a86f73d97f86b8d7605ba9ad4d4f52b00c>>`_)

6.1.37 v3.6.0 (2022-09-16)

Chore

- chore: package manifest fix link to homepage and documentation (#401)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``aa5ba35` <<https://github.com/CycloneDX/cyclonedx-python/commit/aa5ba35a3677d8ebf5ac4643b2d403003267ef8b>>`_)

- chore: fix poetry in tox (#411)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``b5ceec5` <<https://github.com/CycloneDX/cyclonedx-python/commit/b5ceec5f3fb58959a20c26db85316b39e522b8a2>>`_)

- chore: Bump flake8-bugbear from 22.8.22 to 22.8.23 (#404)

Bumps [flake8-bugbear](#) from 22.8.22 to 22.8.23.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com>

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``37f18f8` <<https://github.com/CycloneDX/cyclonedx-python/commit/37f18f88337bbfa89f5a40fa203d22aad6b852ef>>`_)

- chore: Bump flake8-bugbear from 22.7.1 to 22.8.22 (#403)

Bumps [flake8-bugbear](#) from 22.7.1 to 22.8.22.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Signed-off-by: dependabot[bot] <support@github.com> Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``1b6e7a0` <<https://github.com/CycloneDX/cyclonedx-python/commit/1b6e7a062f8598187122599305eebbad5c76915a>>`_)

- chore: Bump flake8-isort from 4.1.1 to 4.2.0 (#400)

Bumps [flake8-isort](#) from 4.1.1 to 4.2.0.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-isort dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``b4275e7` <

- chore: Bump types-toml from 0.10.7 to 0.10.8 \(#387\)`

Bumps [types-toml](#) from 0.10.7 to 0.10.8.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: types-toml dependency-type: direct:production update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``4a68f5f` <

- chore: Bump mypy from 0.961 to 0.971 \(#390\)`

Bumps [mypy](#) from 0.961 to 0.971.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``f2a7ec4` <

- chore: Bump tox from 3.25.0 to 3.25.1 \(#384\)`

Bumps [tox](#) from 3.25.0 to 3.25.1.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: tox dependency-type: direct:development update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (` `cf4a73` <<https://github.com/CycloneDX/cyclonedx-python/commit/cf4a736e2e8df83d6d998cadb68eeb822d6a8b1>>`_)

- chore: Bump flake8-bugbear from 22.6.22 to 22.7.1 (#385)

Bumps flake8-bugbear from 22.6.22 to 22.7.1.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (` `3ac5df9` <<https://github.com/CycloneDX/cyclonedx-python/commit/3ac5df95f45675c1780b6c8cb7a9e2ecf422da81>>`_)

Documentation

- docs: describe cyclonedx-py rather than cyclonedx-bom

fixes #414

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (` `c04196e` <<https://github.com/CycloneDX/cyclonedx-python/commit/c04196e4404efc0513676e5baefaf03e6b3b8e3>>`_)

- docs: Minor updates to poetry usage details & contributing.md (#407)
- docs: fix minor typo in poetry usage docs
- docs: update commit flag in contribution guidelines

Signed-off-by: Emily Schultz <emilyschultz16@gmail.com> (` `0abe230` <<https://github.com/CycloneDX/cyclonedx-python/commit/0abe23049b5423f55b3e0951a00047f4e3f93056>>`_)

Feature

- feat: enable dependency cyclonedx-python-lib@^3 (#418)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (` `05cd51e` <<https://github.com/CycloneDX/cyclonedx-python/commit/05cd51e1da261d29fb5c3e1722544a8f00a0cfcd>>`_)

Unknown

- 3.6.0

Automatically generated by python-semantic-release (`'049a5b3` <<https://github.com/CycloneDX/cyclonedx-python/commit/049a5b353318e6f98f514051b442e99c9a90740a>>`_)

- Merge pull request #415 from CycloneDX/docs_cyclonedx-py

docs: describe command line usages as `cyclonedx-py` rather than `cyclonedx-bom` #414 (`'348f689` <<https://github.com/CycloneDX/cyclonedx-python/commit/348f68900e97a1eac30b712298f1e75d88d55e5f>>`_)

6.1.38 v3.5.0 (2022-06-27)

Chore

- chore: Bump flake8-bugbear from 22.4.25 to 22.6.22 (#376)

Bumps `flake8-bugbear` from 22.4.25 to 22.6.22.

- Release notes
 - Commits
-

updated-dependencies:

- dependency-name: `flake8-bugbear` dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot@users.noreply.github.com> (`'7139bb0` <<https://github.com/CycloneDX/cyclonedx-python/commit/7139bb093e9c7b3585abaf193a2dee5a63c1ec1b>>`_)

Feature

- feat: optionally force `bom_ref` to be `purl` rather than the default random UUID format - thanks @RodneyRichardson

Merge pull request #361 from RodneyRichardson/use-explicit-bom-ref (`'9659d08` <<https://github.com/CycloneDX/cyclonedx-python/commit/9659d08f524fd1ea2eb34234f2449105feb93f62>>`_)

Unknown

- 3.5.0

Automatically generated by python-semantic-release (`'d5465ec` <<https://github.com/CycloneDX/cyclonedx-python/commit/d5465ecd67dfc16ebfa554c4cdaefcebc2f17665>>`_)

- Update README.md with `purl-bom-ref` parameter.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`'b9b3a01` <<https://github.com/CycloneDX/cyclonedx-python/commit/b9b3a0151d74b0e1dec2a37aaa011176deba7a6f>>`_)

- Add CLI option to use `purl` as `bom-ref`.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`'d609ec3` <<https://github.com/CycloneDX/cyclonedx-python/commit/d609ec3dc00ae01aa9aec96e6717cb7dcf2b3550>>`_)

- Remove unnecessary str() cast.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (``b1f9895` <<https://github.com/CycloneDX/cyclonedx-python/commit/b1f9895d5278f794b119b655321670edd788a77c>>`_)

- Merge branch 'CycloneDX:master' into use-explicit-bom-ref (``23d10bf` <<https://github.com/CycloneDX/cyclonedx-python/commit/23d10bfd9800240550a4e1d089447d1275c9ca71>>`_)
- Merge branch 'master' into use-explicit-bom-ref (``f89f706` <<https://github.com/CycloneDX/cyclonedx-python/commit/f89f7067e4fdb6c09463d8631f509bd2aa1c4c5>>`_)
- chore: Bump cyclonedx-python-lib from 2.4.0 to 2.5.2 (#373)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``a9bbe5e` <<https://github.com/CycloneDX/cyclonedx-python/commit/a9bbe5e49a6d3cdbd8b4a63ef4d5c8d9189a722e>>`_)

6.1.39 v3.4.0 (2022-06-16)

Feature

- feat: Update purl to match specification when ingesting packages from Conda - thanks to @RodneyRichardson (``072c8f1` <<https://github.com/CycloneDX/cyclonedx-python/commit/072c8f11bdef44abb0c6f7f7e99e2b833ab1c875>>`_)

Unknown

- 3.4.0

Automatically generated by python-semantic-release (``cf7c625` <<https://github.com/CycloneDX/cyclonedx-python/commit/cf7c625d51d54633fd86d12d44ceac54ef8a001>>`_)

- Merge branch 'master' into fix-conda-purl (``2999022` <<https://github.com/CycloneDX/cyclonedx-python/commit/29990223c475f1445d6c04654569517417e5d65e>>`_)

6.1.40 v3.3.0 (2022-06-16)

Chore

- chore: Bump actions/setup-python from 3 to 4 (#369)

Bumps actions/setup-python from 3 to 4.

- Release notes
- Commits

updated-dependencies:

- dependency-name: actions/setup-python dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``eecf04a` <<https://github.com/CycloneDX/cyclonedx-python/commit/eecf04ac95f8beb0a32488a0f6b57d082f632214>>`_)

- chore: Bump mypy from 0.960 to 0.961 (#365)

Bumps [mypy](#) from 0.960 to 0.961.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> (``3bab869` <

- chore: Bump mypy from 0.942 to 0.960 \(#356\)
- chore: Bump mypy from 0.942 to 0.960`

Bumps [mypy](#) from 0.942 to 0.960.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

- chore: try type fixes

Signed-off-by: Jan Kowalleck <[jan.kowalleck@gmail.com](mailto;jan.kowalleck@gmail.com)>

Co-authored-by: dependabot[bot] <[49699333+dependabot\[bot\]@users.noreply.github.com](mailto:49699333+dependabot[bot]@users.noreply.github.com)> Co-authored-by: Jan Kowalleck <[jan.kowalleck@gmail.com](mailto;jan.kowalleck@gmail.com)> (``b62fc5e` <https://github.com/CycloneDX/cyclonedx-python/commit/b62fc5e2e8bfe2f85765b0e566f4d119dee20b8b>`_)`

Feature

- feat: Add Conda MD5 hash to Component.hashes, if available - thanks @RodneyRichardson (``772c517` <https://github.com/CycloneDX/cyclonedx-python/commit/772c517521da0fd8ddbd1ed8abdf22243f418217>`_)`

Test

- test: extend TestRequirementsParser to check hashes (#368)
- Extend TestRequirementsParser.test_example_with_hashes() to check hashes

Signed-off-by: Rodney Richardson <[rodney.richardson@cambridgeconsultants.com](mailto;rodney.richardson@cambridgeconsultants.com)>

- Add additional test for hash.

Signed-off-by: Rodney Richardson <[rodney.richardson@cambridgeconsultants.com](mailto;rodney.richardson@cambridgeconsultants.com)> (``e2be444` <https://github.com/CycloneDX/cyclonedx-python/commit/e2be444b8db7dd12031f3e9b481dfdae23f3e59e>`_)`

Unknown

- 3.3.0

Automatically generated by python-semantic-release (`b028c2b` <<https://github.com/CycloneDX/cyclonedx-python/commit/b028c2b96fb2caea2d7f084b6ef88cba1bcade2b>>`_)

- Merge branch 'master' into fix-conda-purl (`cf4a5e4` <<https://github.com/CycloneDX/cyclonedx-python/commit/cf4a5e4f66c0c934c10ba06aecb42641eb201470>>`_)
- Merge branch 'master' into add-conda-hash (`95c6893` <<https://github.com/CycloneDX/cyclonedx-python/commit/95c68932e3aa24cf7b83e2e1139928a95b71f8d6>>`_)
- Merge branch 'master' into use-explicit-bom-ref

6.2 Conflicts:

6.3 tests/test_parser_requirements.py

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`d5d0160` <<https://github.com/CycloneDX/cyclonedx-python/commit/d5d0160e3e3fc35efb0037586aadd84160304774>>`_)

- Ignore missing typing for packageurl

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`5ac29c5` <<https://github.com/CycloneDX/cyclonedx-python/commit/5ac29c5cb9fdb47e8d060b421cef66d4c8dcc9a4>>`_)

- Explicitly cast package_format to str.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`31d5daf` <<https://github.com/CycloneDX/cyclonedx-python/commit/31d5dafaf999da8939618138cb86f474750446eb>>`_)

- Cast md5_hash to str

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`51afacf` <<https://github.com/CycloneDX/cyclonedx-python/commit/51afacf997343c2ebcab998b1f02c78051dea040>>`_)

- Fix sonatype-lift warning.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`5e60fac` <<https://github.com/CycloneDX/cyclonedx-python/commit/5e60face658c74a4a6b549d091c2a440b25e9869>>`_)

- Add Conda MD5 hash to Component.hashes, if available

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`54c33b5` <<https://github.com/CycloneDX/cyclonedx-python/commit/54c33b5fd717ca9481294191a24cca5658c7c2b>>`_)

- Update Conda purl to match specification

Add conda_package_to_purl() utility function Add package_format field to CondaPackage purl specification can be found here: <https://github.com/package-url/purl-spec/blob/master/PURL-TYPES.rst#conda>

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`e392cbc` <<https://github.com/CycloneDX/cyclonedx-python/commit/e392cbced269608b67d5bee7482843fc45e30586>>`_)

- Merge branch 'CycloneDX:master' into use-explicit-bom-ref (`c99d993` <<https://github.com/CycloneDX/cyclonedx-python/commit/c99d9931f4432266f430505598deec61772010c8>>`_)

6.3.1 v3.2.2 (2022-06-02)

Chore

- chore: Bump cyclonedx-python-lib from 2.1.0 to 2.4.0 (#353)

Bumps [cyclonedx-python-lib](#) from 2.1.0 to 2.4.0.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: cyclonedx-python-lib dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``350297e` <<https://github.com/CycloneDX/cyclonedx-python/commit/350297ee11cf312f4d4d08b983ac7c3d0ca719>>`_)

- chore: Bump flake8-bugbear from 22.3.23 to 22.4.25 (#351)

Bumps [flake8-bugbear](#) from 22.3.23 to 22.4.25.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``ecfb175` <<https://github.com/CycloneDX/cyclonedx-python/commit/ecfb17560f1be39e1d28aa64f009344871db4162>>`_)

- chore: Bump tox from 3.24.5 to 3.25.0 (#345)

Bumps [tox](#) from 3.24.5 to 3.25.0.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: tox dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``194d287` <<https://github.com/CycloneDX/cyclonedx-python/commit/194d2878fe088f8f1a680cc4eb95504c046d34a2>>`_)

- chore: Bump actions/download-artifact from 2 to 3 (#343)

Bumps actions/download-artifact from 2 to 3.

- Release notes
 - Commits
-

updated-dependencies:

- dependency-name: actions/download-artifact dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`259351e` <<https://github.com/CycloneDX/cyclonedx-python/commit/259351ea468c7d7642be4640783e76826a56d39a>>`_)

- chore: Bump actions/upload-artifact from 2 to 3 (#342)

Bumps actions/upload-artifact from 2 to 3.

- Release notes
 - Commits
-

updated-dependencies:

- dependency-name: actions/upload-artifact dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`4b74fa0` <<https://github.com/CycloneDX/cyclonedx-python/commit/4b74fa064b40051bbe0e2aad298caecff6ef7940>>`_)

Ci

- ci: pin GH-action semantic-release to v7.28.1 (#359)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>; (`ec417c7` <<https://github.com/CycloneDX/cyclonedx-python/commit/ec417c7418b3eef456c90bccb1bc8c29f038beca>>`_)

- ci: introduce timeout-minutes and drop dependabot branches for CI #344

Signed-off-by: Paul Horton <paul.horton@owasp.org>; (`3591849` <<https://github.com/CycloneDX/cyclonedx-python/commit/359184951f18a49c7c6dd47f7e0945a215507360>>`_)

- ci: introduce timeout-minutes and drop dependabot branches for CI

Signed-off-by: Paul Horton <paul.horton@owasp.org>; (`72c4967` <<https://github.com/CycloneDX/cyclonedx-python/commit/72c4967ccad4ceabb2367177c90c0a80388193b7>>`_)

Fix

- fix: add actively used (transitive) dependencies (#363)
- ci: add test with lowest dependencies
- fix: have some typings corrected
- fix: add actively used (transitive) dependencies

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`'1f45ad9` <<https://github.com/CycloneDX/cyclonedx-python/commit/1f45ad9162be511f07e9310414793218c554a097>>`_)

Unknown

- 3.2.2

Automatically generated by python-semantic-release (`'f3f40c8` <<https://github.com/CycloneDX/cyclonedx-python/commit/f3f40c8cc648a5d116a892bdd6ff9bf067133542>>`_)

- Use purl.to_string() as default bom_ref for Components.

Signed-off-by: Rodney Richardson <rodney.richardson@cambridgeconsultants.com> (`'0c8dd60` <<https://github.com/CycloneDX/cyclonedx-python/commit/0c8dd608adeb9861e0d2312cdf7ff14a059c8edb>>`_)

- Merge pull request #348 from sleightsec/include-pipenv-hashes-without-index-attribute

fix: remove check for index==pypi which causes hashes to be excluded from the resultant BOM when using PipEnv Parser (`'ae537fb` <<https://github.com/CycloneDX/cyclonedx-python/commit/ae537fb4106f14dfd4bf5eb78a17f67ce95cf204>>`_)

- correct test for dependencies with hashes and no index attribute in pipenv

Signed-off-by: sleightsec <69399725+sleightsec@users.noreply.github.com> (`'b9ab033` <<https://github.com/CycloneDX/cyclonedx-python/commit/b9ab033c7251cc5257fd0069eb0d1c76c85a27ef>>`_)

- #347 - remove index=pypi attribute requirement for pipenv hash inclusion

Signed-off-by: sleightsec <69399725+sleightsec@users.noreply.github.com> (`'65bf318` <<https://github.com/CycloneDX/cyclonedx-python/commit/65bf3181c61382186cafb67c25d2583fa5a53637>>`_)

6.3.2 v3.2.1 (2022-04-05)

Unknown

- 3.2.1

Automatically generated by python-semantic-release (`'092bd2` <<https://github.com/CycloneDX/cyclonedx-python/commit/092bd260349a2d5dc20faf8007fbda1ff2bba18>>`_)

- Merge pull request #338 from CycloneDX/bugfix/json-format-default-file

fix: cli default file name for json format (`'929e26d` <<https://github.com/CycloneDX/cyclonedx-python/commit/929e26d504f158f775f00b1f44669e02d5e4f536>>`_)

6.3.3 v3.2.0 (2022-04-05)

Chore

- chore: Bump cyclonedx-python-lib from 2.0.0 to 2.1.0 (#340)

Bumps [cyclonedx-python-lib](#) from 2.0.0 to 2.1.0.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: cyclonedx-python-lib dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`'171aafe` <<https://github.com/CycloneDX/cyclonedx-python/commit/171aafe8daf2ca3fc0ec15b7aa2d0cacf3c208e4>>`_)

- chore: Bump mypy from 0.941 to 0.942 (#339)

Bumps [mypy](#) from 0.941 to 0.942.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`'7cb551c` <<https://github.com/CycloneDX/cyclonedx-python/commit/7cb551c182d05d3cc54bf2c5cca5f408c96fa4cd>>`_)

- chore: Bump flake8-bugbear from 22.3.20 to 22.3.23 (#336)

Bumps [flake8-bugbear](#) from 22.3.20 to 22.3.23.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`'11fcb60` <<https://github.com/CycloneDX/cyclonedx-python/commit/11fcb60d8be0e95ad44e2b3d6d7431c9a1e018e1>>`_)

- chore: dependabot prefixes with chore and scope (#324)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>; (`'1985b56` <<https://github.com/CycloneDX/cyclonedx-python/commit/1985b56ba235e48e79071667bc1425c0a3552974>>`_)

Fix

- fix: cli default file for json format

fixes #337

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^8747620` <<https://github.com/CycloneDX/cyclonedx-python/commit/8747620dac7ed3eff69369c05dfb6386a56e549>>`_)

Test

- test: fix malformed or wrong test setups (#333)
- test: corrected malformed/broken tests

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>

- test: fix tests and fixtures

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com>

- test: corrected malformed/broken tests

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>

- fix: fix style and remove unnecessary package

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

Co-authored-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`^0ff6493` <<https://github.com/CycloneDX/cyclonedx-python/commit/0ff6493dd59d2e8efaf35d4460847525e590937>>`_)

Unknown

- 3.2.0

Automatically generated by python-semantic-release (`^eb054b0` <<https://github.com/CycloneDX/cyclonedx-python/commit/eb054b05a6003b30e1a7ed85f5f6dc399c41f85e>>`_)

- Merge pull request #326 from CycloneDX/callable-module

feat: make package/module callable (`^193f1a4` <<https://github.com/CycloneDX/cyclonedx-python/commit/193f1a491c042beac67c1e519bd0862e899faea1>>`_)

- shield icons in README (`^b647219` <<https://github.com/CycloneDX/cyclonedx-python/commit/b64721995c731c00b22011b7ba62ae21207d38fc>>`_)

6.3.4 v3.1.1 (2022-03-21)

Chore

- chore: Bump flake8-bugbear from 22.1.11 to 22.3.20 (#335)

Bumps flake8-bugbear from 22.1.11 to 22.3.20.

- Release notes
- Commits

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``5e344e2` <<https://github.com/CycloneDX/cyclonedx-python/commit/5e344e223a19048c896b394bf1e6fe1a3a8d4855>>`_)

- chore: Bump mypy from 0.940 to 0.941 (#330)

Bumps mypy from 0.940 to 0.941.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``c02d770` <<https://github.com/CycloneDX/cyclonedx-python/commit/c02d770cf18a57e118347a0a57db29ae65919c35>>`_)

- chore: Bump mypy from 0.931 to 0.940 (#329)

Bumps mypy from 0.931 to 0.940.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``133ef9f` <<https://github.com/CycloneDX/cyclonedx-python/commit/133ef9f432253923b7533852cbf5ba637363002e>>`_)

Documentation

- docs: describe methods to call the tool

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``2bac83a` <<https://github.com/CycloneDX/cyclonedx-python/commit/2bac83a6c6f7354d8b7218c32b4b2e5d96b2fd0c>>`_)

- docs: add link to <https://cyclonedx.org/> to README

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``fc4b8e4` <<https://github.com/CycloneDX/cyclonedx-python/commit/fc4b8e44bec39b175bb8994e0a59bc5076d1b2a6>>`_)

- docs: add hint for RTFD to README

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``cf4f534` <<https://github.com/CycloneDX/cyclonedx-python/commit/cf4f534401dc90dbe093ce1a094efb02e5fb7c90>>`_)

- docs: add RTFD shield to README

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`7fef6ee` <<https://github.com/CycloneDX/cyclonedx-python/commit/7fef6eec5d553c7687e7b2d2af1ba4e330f16490>>`_)

- docs: fixed link to RTFD

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`3a8669a` <<https://github.com/CycloneDX/cyclonedx-python/commit/3a8669ad7ba4230d06d1e0965342a5a836a52d1f>>`_)

Feature

- feat: make module callable

fixes #321

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`5b3d8d7` <<https://github.com/CycloneDX/cyclonedx-python/commit/5b3d8d7641b0f2825e5419b5ad8c8a75bf66403b>>`_)

Fix

- fix(conda-parser): version recognition for strings (#332)

conda package string parser no longer raises unexpected errors, if the build-number is non-numeric. fixes #331

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`65246dd` <<https://github.com/CycloneDX/cyclonedx-python/commit/65246ddfa9a55ce53fbf87f33b1f269c519f9b3a>>`_)

Unknown

- 3.1.1

Automatically generated by python-semantic-release (`f5d7943` <<https://github.com/CycloneDX/cyclonedx-python/commit/f5d7943f28b19af836139699f6fd0e95806b317d>>`_)

- Merge pull request #328 from CycloneDX/docs-hint-to-rtd

docs: add and fix hint to rtd (`3b3477b` <<https://github.com/CycloneDX/cyclonedx-python/commit/3b3477bc8c79f46208ad46568082ceca036cac2f>>`_)

6.3.5 v3.1.0 (2022-03-10)

Chore

- chore: added documentation to CONTRIBUTING guidelines

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`8d7d6b6` <<https://github.com/CycloneDX/cyclonedx-python/commit/8d7d6b638d22309124c8dc80aa494590cce9422d>>`_)

- chore: Bump actions/setup-python from 2 to 3 (#322)

Bumps actions/setup-python from 2 to 3.

- Release notes
- Commits

updated-dependencies:

- dependency-name: actions/setup-python dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`69de237` <<https://github.com/CycloneDX/cyclonedx-python/commit/69de237fb6bd327f7e2a6f1047122dfafb65e388>>`_)

- chore: Bump actions/checkout from 2.4.0 to 3 (#323)

Bumps actions/checkout from 2.4.0 to 3.

- Release notes
 - Changelog
 - Commits
-

updated-dependencies:

- dependency-name: actions/checkout dependency-type: direct:production update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>;

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`cae737f` <<https://github.com/CycloneDX/cyclonedx-python/commit/cae737f2b6fcbb9c44f7d6602260bc460da23858>>`_)

- chore: make isort and flake8-isort available

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`c6b561e` <<https://github.com/CycloneDX/cyclonedx-python/commit/c6b561eabfb81c29ab0a44056d08e55cd23a91>>`_)

- chore: manually fixed CHANGELOG after accidental 2.1.0

2.1.0 should have been 3.0.0 (`33c4437` <<https://github.com/CycloneDX/cyclonedx-python/commit/33c4437aec7c29b331bbbf8e9abb63b86c6f6964>>`_)

Documentation

- docs: update RequirementsFileParser docs to include nested file support

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`9e9021d` <<https://github.com/CycloneDX/cyclonedx-python/commit/9e9021decb19d8262e87fe6955577c1bd1309d95>>`_)

Feature

- feat: Add pip-requirements-parser and update virtualenv to latest version

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`73b2182` <<https://github.com/CycloneDX/cyclonedx-python/commit/73b2182550d9635a0a5ab8e4f2226f37cf6b1b35>>`_)

Fix

- fix: sort imports

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`fdec44b` <<https://github.com/CycloneDX/cyclonedx-python/commit/fdec44bc111d7eb1add080a219dbc77744678f8a>>_)

- fix: Try to fix the temp file issue on Windows machines

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`684d4f0` <<https://github.com/CycloneDX/cyclonedx-python/commit/684d4f03ad6f8c0764dfaf8f3a38a09b91b69e5d>>_)

Refactor

- refactor: Apply suggestions by @jkowalleck

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`90b336f` <<https://github.com/CycloneDX/cyclonedx-python/commit/90b336ff4a0b49176162e6d2ea4c25faa21e3d99>>_)

- refactor: ignore mypy type errors and add proper annotation to _TemporaryFileWrapper

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`82cb655` <<https://github.com/CycloneDX/cyclonedx-python/commit/82cb6556927aacf911ee69fef86006c5c6ca7e76>>_)

- refactor: remove unnecessary import (flake8 error)

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`ef8148f` <<https://github.com/CycloneDX/cyclonedx-python/commit/ef8148f05c31a2d254cb72048f20f98dce450aef>>_)

- refactor: Replace requirements file parser

feat: Add support for hashes, local packages and private repositories Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`addc21a` <<https://github.com/CycloneDX/cyclonedx-python/commit/addc21ae832f642298f665d426c576822038fb2f>>_)

Style

- style: sort imports

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`75d325d` <<https://github.com/CycloneDX/cyclonedx-python/commit/75d325d2872b01e3cfb31883fb4044c5b7991609>>_)

- style: sorted all imports

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`804420a` <<https://github.com/CycloneDX/cyclonedx-python/commit/804420afc9bb02ac01c04c18fa0828024688bd42>>_)

Test

- test: add remote URL as requirements line

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`4be30e2` <<https://github.com/CycloneDX/cyclonedx-python/commit/4be30e29aa7da993dedc66560d5df7360932fd7e>>_)

- test: add test for nested requirements file parsing

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`d0856e9` <<https://github.com/CycloneDX/cyclonedx-python/commit/d0856e90743926648977f91981cfda500502fc51>>_)

- test: Add test for Git URLs

Signed-off-by: Mostafa Moradian <mostafamoradian0@gmail.com> (`25333c4` <<https://github.com/CycloneDX/cyclonedx-python/commit/25333c4e4bb041373fea06489ea672e5e2db176f>>`_)

Unknown

- 3.1.0

Automatically generated by python-semantic-release (`92b21f7` <<https://github.com/CycloneDX/cyclonedx-python/commit/92b21f7310c85c155cff156361acc7a816ce65a4>>`_)

- Merge pull request #327 from mostafa/feat/parse-requirements-txt-with-locally-referenced-packages

feat: Change requirements parser (`f973c91` <<https://github.com/CycloneDX/cyclonedx-python/commit/f973c9159eaed852c5acb7804f9cbe61f480f9c8>>`_)

- Merge pull request #320 from CycloneDX/sort-imports

style: sort imports (`a527e0d` <<https://github.com/CycloneDX/cyclonedx-python/commit/a527e0df9d83ca2c756cac19079c00a59ad21d55>>`_)

6.3.6 v3.0.0 (2022-02-21)

Breaking

- feat: bump to latest cyclonedx-python-lib

BREAKING CHANGE: Default Schema Version has been replaced by notion of LATEST supported Schema Version

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`5902fbf` <<https://github.com/CycloneDX/cyclonedx-python/commit/5902fbf9dc5becdf7d92180242488e56b998d9de>>`_)

Feature

- feat: added marker and classifiers to denote this as typed (#313)

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`f317353` <<https://github.com/CycloneDX/cyclonedx-python/commit/f317353bd7a24dbf4fb31642d766d94da609eb42>>`_)

- feat: update to latest RC of cyclonedx-python-lib

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`6c8b517` <<https://github.com/CycloneDX/cyclonedx-python/commit/6c8b5173f07329b2086312d27af5d111f9b2c7ed>>`_)

- feat: update to latest RC of cyclonedx-python-lib

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`bc8ee6b` <<https://github.com/CycloneDX/cyclonedx-python/commit/bc8ee6bb115dd5214358430f64bd0581de5cb2e4>>`_)

Unknown

- 3.0.0

Automatically generated by python-semantic-release (`f7ca95c` <<https://github.com/CycloneDX/cyclonedx-python/commit/f7ca95ceb0f7d7ab24db4fa59cb2474eb9d53329>>`_)

- Merge pull request #316 from CycloneDX/feat/update-lib-2.0.x

feat: bump to latest cyclonedx-python-lib

feat: Added marker and classifiers to denote this as typed (#313)

BREAKING CHANGE: bump to latest cyclonedx-python-lib (`4700399` <<https://github.com/CycloneDX/cyclonedx-python/commit/4700399a6ca9121324f361ce696a90f7345a8fc4>>`_)

- 2.1.0

Automatically generated by python-semantic-release (`cc848f7` <<https://github.com/CycloneDX/cyclonedx-python/commit/cc848f7773e15fed1298f2c4ca6e049412bf5ec5>>`_)

- Merge pull request #311 from CycloneDX/feat/update-lib-2.0.x

BREAKING CHANGE: update to latest RC of cyclonedx-python-lib (`3cb14e0` <<https://github.com/CycloneDX/cyclonedx-python/commit/3cb14e015ce531a1aad92d43686fe3a3d0f6f63f>>`_)

- bumped to latest RC of cyclonedx-python-lib

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`e193521` <<https://github.com/CycloneDX/cyclonedx-python/commit/e193521eeb56e41726ee6c8d9718d970313c5455>>`_)

- updated tests to be more Pythonic

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`891cf3e` <<https://github.com/CycloneDX/cyclonedx-python/commit/891cf3ee00df9ca3f603990dac2d2f402bd9607f>>`_)

- bumped to latest RC of cyclonedx-python-lib

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`54db3cd` <<https://github.com/CycloneDX/cyclonedx-python/commit/54db3cd9fefab5820f0c901c2968dbc15c41>>`_)

- bump cyclonedx-python-lib rc

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`a4795ed` <<https://github.com/CycloneDX/cyclonedx-python/commit/a4795ed7fbe095a57f26b3c76aeb5027fbdece3f8>>`_)

- BREAKING CHANGE: update so default schema version is 1.4

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`689e7e9` <<https://github.com/CycloneDX/cyclonedx-python/commit/689e7e9a6d99a4589115777857e18488fe46b57c>>`_)

6.3.7 v2.0.3 (2022-02-03)

Fix

- fix: docker image release checkout ref w/o tags (#309)

fixes #308

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`5d8b1e1` <<https://github.com/CycloneDX/cyclonedx-python/commit/5d8b1e159c2ced59e810b9e9564e19a29fe263d0>>`_)

Unknown

- 2.0.3

Automatically generated by python-semantic-release (``8379712` <<https://github.com/CycloneDX/cyclonedx-python/commit/837971222d1f3d5f62d3cdxfc84bb82b8fcc2e37>>`_)

6.3.8 v2.0.2 (2022-02-03)

Fix

- fix: properly support reading from stdin (#307)
- Adjust cli when reading from stdin.

Bind reading from stdin on specifying `-i -`. This is part of ```argparse.FileType` <https://docs.python.org/3/library/argparse.html?highlight=pseudo-argument#argparse.FileType>`_`.

Local tests under the following conditions:

- implicit reading `poetry.lock` using args `-p -o -`
- explicit reading `poetry.lock` using args `-p -i poetry.lock -o -`
- explicit reading `poetry.lock` file after renaming using `cat p.lock | python -m cyclonedx_py.client -p -i - -o -`

Signed-off-by: Theodor van Nahl <theo@van-nahl.org> (``23f31a0` <<https://github.com/CycloneDX/cyclonedx-python/commit/23f31a03a4fbf888f396b88a9413c054358b2a3a>>`_)

Unknown

- 2.0.2

Automatically generated by python-semantic-release (``916951a` <<https://github.com/CycloneDX/cyclonedx-python/commit/916951a4ff13dd91140f93ecb079c5b5a31d5f27>>`_)

- Update CONTRIBUTING.md

link to pep8 (``4f87341` <<https://github.com/CycloneDX/cyclonedx-python/commit/4f87341ea847974a9cd89b753af3f9424267ff01>>`_)

6.3.9 v2.0.1 (2022-01-24)

Chore

- chore: add CI artifacts and improve build consistency (#290)

fixes #292 prep for #289

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (``185b300` <<https://github.com/CycloneDX/cyclonedx-python/commit/185b30071acc2fb310e4632a7a1b735b9cc9382e>>`_)

- chore: Bump flake8-bugbear from 21.11.29 to 22.1.11 (#301)

Bumps `flake8-bugbear` from 21.11.29 to 22.1.11.

- Release notes
- Commits

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-major ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``1b6e042` <<https://github.com/CycloneDX/cyclonedx-python/commit/1b6e0422d6932dac0accbad78169b850602162ca>>`_)

- chore: Bump mypy from 0.930 to 0.931 (#297)

Bumps mypy from 0.930 to 0.931.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (``19b285c` <<https://github.com/CycloneDX/cyclonedx-python/commit/19b285c9590cc4a66c07a32bcbb54df8839dc7b>>`_)

- chore: corrected next version

Signed-off-by: Paul Horton <paul.horton@owasp.org> (``ea8a963` <<https://github.com/CycloneDX/cyclonedx-python/commit/ea8a9633f3a06c294a8c57a2169d1707af927e46>>`_)

Fix

- fix: bump dependencies to get latest cyclonedx-python-lib

Signed-off-by: Paul Horton <paul.horton@owasp.org> (``87c3fe7` <<https://github.com/CycloneDX/cyclonedx-python/commit/87c3fe7747cd8abd55ad5699bfc87ad9877c8132>>`_)

Unknown

- 2.0.1

Automatically generated by python-semantic-release (``a4a4c42` <<https://github.com/CycloneDX/cyclonedx-python/commit/a4a4c427f1fe97231f6e93e13c477030a7a9eed9>>`_)

6.3.10 v2.0.0 (2022-01-13)

Build

- build(deps-dev): Bump coverage from 6.1.2 to 6.2

Bumps coverage from 6.1.2 to 6.2.

- [Release notes](#)
- [Changelog](#)

- [Commits](#)
-

updated-dependencies:

- dependency-name: coverage dependency-type: direct:development update-type: version-update:semver-minor
...

Signed-off-by: dependabot[bot] <support@github.com> (`82f0dba` <<https://github.com/CycloneDX/cyclonedx-python/commit/82f0dba359030b513e9fcf3f8e8c561afc794c1d>>_)

- build(deps-dev): Bump flake8-bugbear from 21.9.2 to 21.11.29

Bumps [flake8-bugbear](#) from 21.9.2 to 21.11.29.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: flake8-bugbear dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com> (`a3d0b87` <<https://github.com/CycloneDX/cyclonedx-python/commit/a3d0b87152183682dfeed459c6e44af4bc69a8c8>>_)

Chore

- chore: add pre-release manual GH workflow

Signed-off-by: Paul Horton <phorton@sonatype.com> (`8343c0d` <<https://github.com/CycloneDX/cyclonedx-python/commit/8343c0d20fe8ce2ffaf41016155dee7953f4eb57>>_)

- chore: Bump cyclonedx-python-lib from 0.12.2 to 0.12.3 (#285)

Bumps [cyclonedx-python-lib](#) from 0.12.2 to 0.12.3.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: cyclonedx-python-lib dependency-type: direct:production update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`2ef2b3e` <<https://github.com/CycloneDX/cyclonedx-python/commit/2ef2b3eb767ed45c329390abc2800927c6324948>>_)

- chore: Bump mypy from 0.920 to 0.930 (#288)

Bumps [mypy](#) from 0.920 to 0.930.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`a58ed74` <<https://github.com/CycloneDX/cyclonedx-python/commit/a58ed740fd5f6a603d76a0308d69551a186f8c65>>_)

- chore: update flake8 to v4 and add autopep8 (#283)

closes #275

update locked dependencies:

- Updating pycodestyle (2.7.0 -> 2.8.0)
- Updating pyflakes (2.3.1 -> 2.4.0)
- Updating flake8 (3.9.2 -> 4.0.1)
- Installing autopep8 (1.6.0)
- Updating flake8-annotations (2.0.1 -> 2.7.0)

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`87aa348` <<https://github.com/CycloneDX/cyclonedx-python/commit/87aa3487864ca94cab3c2c9dff3c263f0a849c21>>_)

- chore: Bump mypy from 0.910 to 0.920 (#286)

Bumps mypy from 0.910 to 0.920.

- [Release notes](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: mypy dependency-type: direct:development update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`a2dc03f` <<https://github.com/CycloneDX/cyclonedx-python/commit/a2dc03f15a994361c973e97f2f9c406a41f9d7cd>>_)

- chore: build(deps): Bump cyclonedx-python-lib from 0.11.1 to 0.12.2 (#282)

Bumps cyclonedx-python-lib from 0.11.1 to 0.12.2.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: cyclonedx-python-lib dependency-type: direct:production update-type: version-update:semver-minor ...

Signed-off-by: dependabot[bot] <support@github.com>

Co-authored-by: dependabot[bot] <49699333+dependabot[bot]@users.noreply.github.com> (`6b51a66` <<https://github.com/CycloneDX/cyclonedx-python/commit/6b51a66094afa5e424d8548724e5d09ea3851f7d>>_)

- chore: remove dev-container (#265)
- closes #262
- Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^16349cb` <<https://github.com/CycloneDX/cyclonedx-python/commit/16349cbef449ded638c0fdcba01d3b1a6978678a>`_)

Documentation

- docs: readme maintenance - shields & links (#266)
 - README: added typehint to the vode blocks
- Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>
- README: fixed fenced-code and lists
- Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>
- README: shields got modernixed and linked
- Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>
- README: harmonized links
- Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^a34046f` <<https://github.com/CycloneDX/cyclonedx-python/commit/a34046f9b4c96d013fdf2dbdac5e930aa9204e15>`_)

Feature

- feat: add support for CycloneDX 1.4 specification (#294)
 - feat: add support for output to CycloneDX 1.4 (draft) feat: Error with return code 2 if attempting to output in JSON and SchemaVersion < 1.2 test: Multiple tests added
- Signed-off-by: Paul Horton <phorton@sonatype.com> <paul.horton@owasp.org> Signed-off-by: Paul Horton <paul.horton@owasp.org>
- fix: addressed flake8 issues fix: added missing bump to dependencies
- Signed-off-by: Paul Horton <phorton@sonatype.com> <paul.horton@owasp.org> Signed-off-by: Paul Horton <paul.horton@owasp.org>
- fix: corrected import
- Signed-off-by: Paul Horton <phorton@sonatype.com> <paul.horton@owasp.org> Signed-off-by: Paul Horton <paul.horton@owasp.org>
- ci: removed poetry cache as broken?
- Signed-off-by: Paul Horton <phorton@sonatype.com> <paul.horton@owasp.org> Signed-off-by: Paul Horton <paul.horton@owasp.org>
- bump to latest RC for cyclonedx-python-lib
- Signed-off-by: Paul Horton <phorton@sonatype.com> <paul.horton@owasp.org> Signed-off-by: Paul Horton <paul.horton@owasp.org>
- doc: migration to RTD (#296)
 - doc: migration to RTD.
- Signed-off-by: Paul Horton <phorton@sonatype.com>
- doc: removed references to schema version 1.4

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• doc: updates to include schema version

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• doc: cleanup

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• feat: BREAKING CHANGE - relocated concrete parsers (#299) BREAKING CHANGE Concrete Parsers now reside in this project, not `cyclonedx-python-lib`
• re-located tests for Utils

Signed-off-by: Paul Horton <phorton@sonatype.com>;
• feat: BREAKING CHANGE - relocated concrete parsers from `cyclonedx-python-lib` doc: updated to reflect breaking changes dod: added changelog

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• feat: BREAKING CHANGE - relocated concrete parsers from `cyclonedx-python-lib` doc: updated to reflect breaking changes dod: added changelog

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• chore: removed schema validation from unit tests as this is performed in upstream library `cyclonedx-python-lib`

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• chore: removed schema validation from unit tests as this is performed in upstream library `cyclonedx-python-lib`

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• chore: add pre-release manual GH workflow

Signed-off-by: Paul Horton <phorton@sonatype.com>;<paul.horton@owasp.org>;
• chore: bump to latest RC of `cyclonedx-python-lib`

Signed-off-by: Paul Horton <paul.horton@owasp.org>;
• added `purl` into Components output by parsers

Signed-off-by: Paul Horton <paul.horton@owasp.org>;
• Ignore type for packageurl imports

Signed-off-by: Paul Horton <paul.horton@owasp.org>;
• doc: corrected project title

Signed-off-by: Paul Horton <paul.horton@owasp.org>;
• chore: bump to released version of `cyclonedx-python-lib`

Signed-off-by: Paul Horton <paul.horton@owasp.org> (`7bb6d32` <<https://github.com/CycloneDX/cyclonedx-python/commit/7bb6d328adec59cdd4c3ab80eb5f39568ca3bc9c>>`_)

Test

- test: CI/CT for the docker image

CI for the docker image (`6c4a6de` <<https://github.com/CycloneDX/cyclonedx-python/commit/6c4a6deb3293dfaf059d0d114a93b570257e5dfb>>`_)

Unknown

- 1.6.0

Automatically generated by python-semantic-release (`958af1a` <<https://github.com/CycloneDX/cyclonedx-python/commit/958af1af991d1f90644e265ad3862ba76e4a9287>>`_)

- doc: migration to RTD (#296)
- doc: migration to RTD.

Signed-off-by: Paul Horton <phorton@sonatype.com>

- doc: removed references to schema version 1.4

Signed-off-by: Paul Horton <phorton@sonatype.com> (`1744f4d` <<https://github.com/CycloneDX/cyclonedx-python/commit/1744f4d77a16e135a26fdf28a5367dd187ad7502>>`_)

- Update CONTRIBUTING.md (`1175c84` <<https://github.com/CycloneDX/cyclonedx-python/commit/1175c8433a36ac5c98020e3fb04fe619bf9d994b>>`_)
- Merge pull request #279 from CycloneDX/contributing-file

initial CONTRIBUTING file (`73fc7d8` <<https://github.com/CycloneDX/cyclonedx-python/commit/73fc7d84a003358ec5a6666982cf7ee1e93bc62a>>`_)

- initial CONTRIBUTING file

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`104d223` <<https://github.com/CycloneDX/cyclonedx-python/commit/104d223fe773abffc7006817d4657c635846a34c>>`_)

- gh-action: docker test build

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`3b92b00` <<https://github.com/CycloneDX/cyclonedx-python/commit/3b92b003cc5a862f72404720da7df601ce6dd457>>`_)

- rename python ci workflow

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`b1f57fb` <<https://github.com/CycloneDX/cyclonedx-python/commit/b1f57fb378fe2dafcd372c9539ef86f0077ca25>>`_)

- CHORE: gh-action release use org's secrets

as part of #271 (`71d1c47` <<https://github.com/CycloneDX/cyclonedx-python/commit/71d1c47c6de565c20239a79e04229bbe317accb7>>`_)

- gh-action release use org's secrets

as of #271

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`80a6e68` <<https://github.com/CycloneDX/cyclonedx-python/commit/80a6e683cbca01b8f2a628b64a5ba58557e575b7>>`_)

- CHORE: build(deps-dev): Bump coverage from 6.1.2 to 6.2

build(deps-dev): Bump coverage from 6.1.2 to 6.2 (``36dd7bd`` <[- CHORE: build\(deps-dev\): Bump flake8-bugbear from 21.9.2 to 21.11.29](https://github.com/CycloneDX/cyclonedx-python/commit/36dd7bdd571f677f04863d904a4dce589b378745>`_)</p></div><div data-bbox=)

build(deps-dev): Bump flake8-bugbear from 21.9.2 to 21.11.29 (``c7a5fd0`` <[- DOCS: fix README shield labels \(``7291d06`` <\[### 6.3.11 v1.5.3 \\(2021-11-23\\)\]\(https://github.com/CycloneDX/cyclonedx-python/commit/7291d0604227a09645b5d8807587559191d0874d>`_\)</div><div data-bbox=\)](https://github.com/CycloneDX/cyclonedx-python/commit/c7a5fd0d8cc4f618ebc988767ced1bb050eeaf07>`_)</p></div><div data-bbox=)

Fix

- fix: revert to previous process for building Docker image as PyPi index update is too slow to pull straight away after publish

Signed-off-by: Paul Horton <phorton@sonatype.com> (``67bb738`` <[#### Unknown](https://github.com/CycloneDX/cyclonedx-python/commit/67bb738246bfe0ca3acd409d8c5a27fd7a305347>`_)</p></div><div data-bbox=)

- 1.5.3

Automatically generated by python-semantic-release (``ce33cf0`` <[- Merge branch 'master' of \[github.com:CycloneDX/cyclonedx-python\]\(https://github.com:CycloneDX/cyclonedx-python\) \(``186bdda`` <<https://github.com/CycloneDX/cyclonedx-python/commit/186bddaf940a4292cfa7757f96dbceec5ced829e>>`_\)](https://github.com/CycloneDX/cyclonedx-python/commit/ce33cf0217dc087fa970179199a0d9fafb26aec6>`_)</p></div><div data-bbox=)

6.3.12 v1.5.2 (2021-11-23)

Fix

- fix: corrected docker image build process to not rely on `dist` folder which is cleaned up by python-semantic-release

Signed-off-by: Paul Horton <phorton@sonatype.com> (``6c65c11`` <<https://github.com/CycloneDX/cyclonedx-python/commit/6c65c11d439169417e2ef7e94cab1ec216eb11c>>`_)

Unknown

- 1.5.2

Automatically generated by python-semantic-release (``7586867`` <<https://github.com/CycloneDX/cyclonedx-python/commit/7586867d53b3edcf1663705e6b913147da96cd38>>`_)

6.3.13 v1.5.1 (2021-11-23)

Fix

- fix: Re-enable build and publish of Docker Image (#263)
- fix: update `Dockerfile` to use Python 3.10

Signed-off-by: Paul Horton <phorton@sonatype.com>

- ci: renable publishing of Docker Images

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^478360d` <<https://github.com/CycloneDX/cyclonedx-python/commit/478360db0de269159ab6e3777cd291b87e2e1174>>_)

Unknown

- 1.5.1

Automatically generated by python-semantic-release (`^dd31888` <<https://github.com/CycloneDX/cyclonedx-python/commit/dd31888b0a6b564da3c170437ec92fbe275200d1>>_)

6.3.14 v1.5.0 (2021-11-17)

Feature

- feat: support for Python 3.10 (#261)
- enabled py3.10 tests in CI

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>

- add py-version classifiers

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`^f4f9fe` <<https://github.com/CycloneDX/cyclonedx-python/commit/f4f9fe4b1e2d4ffe4ad0b274a067a20c9c372f>>_)

Unknown

- 1.5.0

Automatically generated by python-semantic-release (`^31fdd93` <<https://github.com/CycloneDX/cyclonedx-python/commit/31fdd930cc500423fa167e0d83a2b070b08bcc76>>_)

6.3.15 v1.4.3 (2021-11-16)

Ci

- ci: run release action on push to master

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^24477a0` <<https://github.com/CycloneDX/cyclonedx-python/commit/24477a0c30e3ffbc088837b55bcc4336a3d564a1>>_)

Fix

- fix: add static code analysis, better typing and bump cyclonedx-python-lib to 0.11

Signed-off-by: Paul Horton <phorton@sonatype.com> (`d5d9f56` <<https://github.com/CycloneDX/cyclonedx-python/commit/d5d9f563f2ceb1bdfb2f9cb39ff07af9f0deca26>>`_)

Unknown

- 1.4.3

Automatically generated by python-semantic-release (`8050477` <<https://github.com/CycloneDX/cyclonedx-python/commit/805047778e0c14fce44353659ed34454c9029070>>`_)

- FIX: add static code analysis, better typing and bump to `cyclonedx-python-lib` = 0.11.0
- fixed some tox issues

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- add more QA

bumped `cyclonedx-python-lib` to the version that opened type-checks added QA tools: `mypy`, `flake8-annotations`, `flake8-bugbear`

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- gitignore alternative paths of `venv`

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- gh-action CI no longer failes fast

this allowes to run all tests, regardless of failes in parallel tests of the matrix

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- add missing return types

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- make `mypy` pass

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- tests dont run subprocesses in the shell

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- unittest run in verbose mode

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- fix windows tox run

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>;

- make tests a module

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com>; (`3080b57` <<https://github.com/CycloneDX/cyclonedx-python/commit/3080b571c2561268d90b0ecee17788da9046893b>>`_)

6.3.16 v1.4.2 (2021-11-12)

Build

- build(deps-dev): Bump coverage from 6.1.1 to 6.1.2

Bumps [coverage](#) from 6.1.1 to 6.1.2.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: coverage dependency-type: direct:development update-type: version-update:semver-patch
...

Signed-off-by: dependabot[bot] <support@github.com> (`3ce6467` <<https://github.com/CycloneDX/cyclonedx-python/commit/3ce64679915a7ab83aa67da05087ca6b4e84c4ef>>_)

- build(deps-dev): Bump coverage from 5.5 to 6.1.1

Bumps [coverage](#) from 5.5 to 6.1.1.

- [Release notes](#)
 - [Changelog](#)
 - [Commits](#)
-

updated-dependencies:

- dependency-name: coverage dependency-type: direct:development update-type: version-update:semver-major
...

Signed-off-by: dependabot[bot] <support@github.com> (`bd63845` <<https://github.com/CycloneDX/cyclonedx-python/commit/bd63845c397490e56e2bcd64a7b7e879ef9bc027>>_)

Fix

- fix: if no input file is supplied and no input is provided on STDIN, we will now try to automatically locate (in the current working directory) a manifest with default name for the input type specified. This works for PIP (Pipfile.lock), Poetry (poetry.lock) and Requirements (requirements.txt)

Signed-off-by: Paul Horton <phorton@sonatype.com> (`93f9e59` <<https://github.com/CycloneDX/cyclonedx-python/commit/93f9e5985f0d0cecd865b66119276d33b2175fe9>>_)

Unknown

- 1.4.2

Automatically generated by python-semantic-release (`e39ebd3` <<https://github.com/CycloneDX/cyclonedx-python/commit/e39ebd34916f0a56028d2b0585ed37e6bbcf59f4>>`_)

- Merge pull request #257 from CycloneDX/fix/256-no-default-file-when-no-input-on-stdin

FIX: Fallback to default manifest names in current directory when no -i supplied and nothing piped in via STDIN (`c0f0766` <<https://github.com/CycloneDX/cyclonedx-python/commit/c0f07665589db93727db0df90f78b5fc89abb9ab>>`_)

- doc: updated documentation

Signed-off-by: Paul Horton <phorton@sonatype.com> (`47612e6` <<https://github.com/CycloneDX/cyclonedx-python/commit/47612e6929684bf0fe57aad5d9cf13c71ff156ef>>`_)

- typo corrected

Signed-off-by: Paul Horton <phorton@sonatype.com> (`4949a0d` <<https://github.com/CycloneDX/cyclonedx-python/commit/4949a0df1d8da8ab503b44b5c55540220c79d21d>>`_)

- Merge pull request #255 from CycloneDX/dependabot/pip/coverage-6.1.2

build(deps-dev): Bump coverage from 6.1.1 to 6.1.2 (`6924dac` <<https://github.com/CycloneDX/cyclonedx-python/commit/6924dacaf7f288a96f6826262968d21dcd16965e>>`_)

- Merge pull request #252 from jkowalleck/patch-1

Create CODEOWNERS (`b64c707` <<https://github.com/CycloneDX/cyclonedx-python/commit/b64c707e9610480f940a95a22505dc39777306f9>>`_)

- run github "CI" on commits to master (`00532dd` <<https://github.com/CycloneDX/cyclonedx-python/commit/00532dd0e6265da74832f5000d875e5837d15709>>`_)

- Merge pull request #251 from CycloneDX/dependabot/pip/coverage-6.1.1

build(deps-dev): Bump coverage from 5.5 to 6.1.1 (`525ee0e` <<https://github.com/CycloneDX/cyclonedx-python/commit/525ee0eee102d8b97c48f52a5e8d61b2ea786f53>>`_)

- Create CODEOWNERS

Signed-off-by: Jan Kowalleck <jan.kowalleck@gmail.com> (`a29525a` <<https://github.com/CycloneDX/cyclonedx-python/commit/a29525a69aeccab0e9eabedf62463487cc9d23a2>>`_)

6.3.17 v1.4.1 (2021-10-26)

Chore

- chore: manual addition of breaking changes in 1.4.0 into CHANGELOG

Signed-off-by: Paul Horton <phorton@sonatype.com> (`84fce2` <<https://github.com/CycloneDX/cyclonedx-python/commit/84fce293aeeef2e716866edd53e589b91ba9340>>`_)

Fix

- fix: corrected documentation after deprecation of `-rf`, `-pf`, `--poetry-file`, `--requirements-file` and `--pip-file` doc: updated documentation to clarify there is a single input parameter: `-i`

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^4c4c8d8` <<https://github.com/CycloneDX/cyclonedx-python/commit/4c4c8d8d4756ebc953c26504052d5469f3c47cfa>>`_)

Unknown

- 1.4.1

Automatically generated by python-semantic-release (`^8f525f2` <<https://github.com/CycloneDX/cyclonedx-python/commit/8f525f24c9e91e5b0bad30fe23527ca87abea711>>`_)

6.3.18 v1.4.0 (2021-10-21)

Feature

- feat: add conda support (bump cyclonedx-python-lib to ^0.10.0)

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^cb24275` <<https://github.com/CycloneDX/cyclonedx-python/commit/cb24275f3e8716244de2b4ef0a046b879fa88ba5>>`_)

Fix

- fix: encoding issues on Windows (bump cyclonedx-python-lib to ^0.10.2)

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^da6772b` <<https://github.com/CycloneDX/cyclonedx-python/commit/da6772be89ad923b1d8df6dd3b2a89c6e5805571>>`_)

- fix: encoding issues on Windows (bump cyclonedx-python-lib to ^0.10.1)

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^fe5df36` <<https://github.com/CycloneDX/cyclonedx-python/commit/fe5df3607157b2f24854ef1f69457f163d79a093>>`_)

Unknown

- 1.4.0

Automatically generated by python-semantic-release (`^564076b` <<https://github.com/CycloneDX/cyclonedx-python/commit/564076b3d2c3c140aa7c50c5385e841d9f4d40f6>>`_)

- Merge pull request #247 from CycloneDX/feat/conda-support

FEATURE: Add Conda Support (`^c3709af` <<https://github.com/CycloneDX/cyclonedx-python/commit/c3709af0fce553ac43809e87bfd5b303dbfdceac>>`_)

- fixed some tests

Signed-off-by: Paul Horton <phorton@sonatype.com> (`^002b31d` <<https://github.com/CycloneDX/cyclonedx-python/commit/002b31d3a06367f13c433e1e604754e373b2d538>>`_)

6.3.19 v1.3.1 (2021-10-19)

Fix

- fix: bump to cyclonedx-python-lib to resolve issue #244

Signed-off-by: Paul Horton <phorton@sonatype.com> (``ebea3ef` <<https://github.com/CycloneDX/cyclonedx-python/commit/ebea3ef47e917479a7474489bb274b5fa9704375>>``_)

Unknown

- 1.3.1

Automatically generated by python-semantic-release (``a030392` <<https://github.com/CycloneDX/cyclonedx-python/commit/a030392b751fc2b36f7f892b82806b3cedbbde8a>>``_)

- Merge pull request #246 from CycloneDX/feat/add-basic-license-support

fix: bump to cyclonedx-python-lib to resolve issue #244 (``d831254` <<https://github.com/CycloneDX/cyclonedx-python/commit/d8312546ddb94d0e7ac7fce2335ae52f6fc415f0>>``_)

6.3.20 v1.3.0 (2021-10-19)

Feature

- feat: add license information in CycloneDX BOM when using Environment as the source

Signed-off-by: Paul Horton <phorton@sonatype.com> (``5d1f9a7` <<https://github.com/CycloneDX/cyclonedx-python/commit/5d1f9a76cfa2bc1461a3dcf4c140d81876a37c40>>``_)

Unknown

- 1.3.0

Automatically generated by python-semantic-release (``8d01377` <<https://github.com/CycloneDX/cyclonedx-python/commit/8d013774696d89d8e52ebf81c5539de9c6f4d955>>``_)

- Merge pull request #245 from CycloneDX/feat/add-basic-license-support

Add license information in CycloneDX BOM when using Environment as the source (``26f2500` <<https://github.com/CycloneDX/cyclonedx-python/commit/26f25002f380b18e5bbc70460fd50f90d170f965>>``_)

6.3.21 v1.2.0 (2021-10-12)

Feature

- feat: update to latest stable cyclonedx-python-lib
- Enables PipEnv support natively
- Vast improvements to quality and information contained in the generated CycloneDX BOM documents - see cyclonedx-python-lib for details
- Various old files removes

Signed-off-by: Paul Horton <phorton@sonatype.com> (`6145bd5` <<https://github.com/CycloneDX/cyclonedx-python/commit/6145bd52c450e66f42367e61e086d2a9d9818b47>>`_)

Unknown

- 1.2.0

Automatically generated by python-semantic-release (`1e46b3d` <<https://github.com/CycloneDX/cyclonedx-python/commit/1e46b3d6181b6165e0320e4a1c073e961990bb87>>`_)

- Merge pull request #243 from CycloneDX/feat/bump-cyclonedx-lib-0.8.x

Update to latest stable cyclonedx-python-lib (`68f7daa` <<https://github.com/CycloneDX/cyclonedx-python/commit/68f7daa50e6d4841c1c27184c370047ff4a29488>>`_)

6.3.22 v1.1.0 (2021-10-04)

Feature

- feat: add support for generating SBOM from poetry.lock files

Signed-off-by: Paul Horton <phorton@sonatype.com> (`bb4ac0f` <<https://github.com/CycloneDX/cyclonedx-python/commit/bb4ac0f29b46db59b192191f65dfa40757268188>>`_)

Unknown

- 1.1.0

Automatically generated by python-semantic-release (`ca992f2` <<https://github.com/CycloneDX/cyclonedx-python/commit/ca992f29dca21aec31d9eeb858a966b3ef34315>>`_)

6.3.23 v1.0.5 (2021-09-27)

Fix

- fix: handle requirements.txt which contain dependencies without a version statement and warn that they cannot be included in the resulting CycloneDX BOM

Signed-off-by: Paul Horton <phorton@sonatype.com> (`e637e56` <<https://github.com/CycloneDX/cyclonedx-python/commit/e637e56cada6d841dae193c106647b0b03a4e776>>`_)

Unknown

- 1.0.5

Automatically generated by python-semantic-release (`5523909` <<https://github.com/CycloneDX/cyclonedx-python/commit/552390974ba35f664e5854afcad05fa35270991f>>`_)

- Merge pull request #236 from CycloneDX/enhancement/issue-235-requirements-unpinned-versions

fix: handle requirements.txt which contain dependencies without a v... (`f57ab1a` <<https://github.com/CycloneDX/cyclonedx-python/commit/f57ab1a0ec14a3ef604058d21dfa59d88f8d462a>>`_)

6.3.24 v1.0.4 (2021-09-27)

Fix

- fix: error message when `requirements.txt` file is non-existent updated

Signed-off-by: Paul Horton <phorton@sonatype.com> (``3bbc071` <

Unknown`

- 1.0.4

Automatically generated by python-semantic-release (``c8b00bc` <https://github.com/CycloneDX/cyclonedx-python/commit/c8b00bc490faa1bd402ed5176daa422516ff8940>`_)`

- Merge pull request #234 from CycloneDX/enhancement/issue-232-error-message

fix: error message when `requirements.txt` file is non-existent updated (``2e6acee` <https://github.com/CycloneDX/cyclonedx-python/commit/2e6acee74bba98d05b03dae61e22149e747946f5>`_)`

6.3.25 v1.0.3 (2021-09-27)

Build

- build: added flake8 as dev dependency

Signed-off-by: Paul Horton <phorton@sonatype.com> (``a8fed84` <https://github.com/CycloneDX/cyclonedx-python/commit/a8fed843986d60da49649e6d9393ef77be2e80fa>`_)`

- build: updated all dependencies

Signed-off-by: Paul Horton <phorton@sonatype.com> (``616b949` <https://github.com/CycloneDX/cyclonedx-python/commit/616b949e0d3200cd7c3a3e5131213e2e9bb51fce>`_)`

Ci

- ci: define missing env variable in CI workflow

Signed-off-by: Paul Horton <phorton@sonatype.com> (``49db8c2` <https://github.com/CycloneDX/cyclonedx-python/commit/49db8c2c587ab75cdcfb12513a89905b61b6e854>`_)`

- ci: updated GitHub workflows to align with those used in cyclonedx-python-lib

Signed-off-by: Paul Horton <phorton@sonatype.com> (``0b11f5a` <https://github.com/CycloneDX/cyclonedx-python/commit/0b11f5a7d7699a88e0d689f4cc33108a3017f355>`_)`

Fix

- fix: default to "requirements.txt" in current directory when "-r" flag is supplied but not "-rf" flag is supplied

Signed-off-by: Paul Horton <phorton@sonatype.com> (``bb7e30a` <<https://github.com/CycloneDX/cyclonedx-python/commit/bb7e30a869300b1e63a00d7db4bcc7f35d68552d>>``)

Test

- test: align Tox configuration with cyclonedx-python-lib

Signed-off-by: Paul Horton <phorton@sonatype.com> (``1e5c6b6` <<https://github.com/CycloneDX/cyclonedx-python/commit/1e5c6b61542a1f2b5459ce2f2a84923505e86a1f>>``)

Unknown

- 1.0.3

Automatically generated by python-semantic-release (``f3522b9` <<https://github.com/CycloneDX/cyclonedx-python/commit/f3522b941f0300d178448f8071ace2b379eb713d>>``)

- Merge pull request #233 from CycloneDX/fix/issue-230-hang-with-no-rf-flag

Fix for hang when no -rf flag supplied with -r flag (``651b35f` <<https://github.com/CycloneDX/cyclonedx-python/commit/651b35ffb4f70004fff2bc685ccf523d6aa13e16>>``)

- Merge pull request #229 from madpah/fix/bump-dependencies

build: updated all dependencies (``5587777` <<https://github.com/CycloneDX/cyclonedx-python/commit/558777717130ec37d1bf3417b85bfa1819b972bd>>``)

6.3.26 v1.0.2 (2021-09-13)

Fix

- fix: Release GH action (``148421b` <<https://github.com/CycloneDX/cyclonedx-python/commit/148421bcd8cea2b5f8f3bd5958f6f7171afe859e>>``)

Unknown

- 1.0.2

Automatically generated by python-semantic-release (``5d077a2` <<https://github.com/CycloneDX/cyclonedx-python/commit/5d077a220abb50d71ee068f4ca1242c7d722e2dc>>``)

6.3.27 v1.0.1 (2021-09-13)

Fix

- fix(ci): corrected main to master branch.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`7162cd9` <<https://github.com/CycloneDX/cyclonedx-python/commit/7162cd9385729dafbdc15dbb55e9ac5adf3906cf>>`_)

Unknown

- 1.0.1

Automatically generated by python-semantic-release (`9af491d` <<https://github.com/CycloneDX/cyclonedx-python/commit/9af491d343dc3f3cc45bbd2c72861dd3e2fb2856>>`_)

- Merged in master. (`95b89a7` <<https://github.com/CycloneDX/cyclonedx-python/commit/95b89a7a191b57e0720d5e09e396dab6acd506fe>>`_)
- fix(ci) - bumped release workflow to run on Python 3.9 which is supported.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`fd7cd8c` <<https://github.com/CycloneDX/cyclonedx-python/commit/fd7cd8c4ff9c88a55a540c24cbe7bc14086a1d63>>`_)

- Merge pull request #221 from madpah/feature/migrate-to-cyclonedx-python-lib

Migration to new cyclonedx-python-lib for SBOM generation (`3b1a13c` <<https://github.com/CycloneDX/cyclonedx-python/commit/3b1a13c453d4477de0aba9613d9c7f7fba2843cb>>`_)

- Corrected Development Status classifier.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`0263610` <<https://github.com/CycloneDX/cyclonedx-python/commit/0263610160f86ef9b499682aa848c392bdca2908>>`_)

- Removed Python 3.5, added 3.8, 3.9 support in GitLab CI.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`9ecb7b8` <<https://github.com/CycloneDX/cyclonedx-python/commit/9ecb7b800b6e059a6459efb58f3f9a88b665fb9c>>`_)

- Addressed issues reported by flake8..

Signed-off-by: Paul Horton <phorton@sonatype.com> (`177a99f` <<https://github.com/CycloneDX/cyclonedx-python/commit/177a99f6701fc9e6c284038d3d9b43d6f16a350>>`_)

- Updated documentation.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`ef76b4d` <<https://github.com/CycloneDX/cyclonedx-python/commit/ef76b4dedfc59f79eab04fbcbf678b68ca2e877c>>`_)

- Started rewrite of tests.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`914463b` <<https://github.com/CycloneDX/cyclonedx-python/commit/914463bd2e448b287a4851631d9f9bd9be1b5a7d>>`_)

- Fixed a few things:
- Was defaulting to Environment incorrectly
- Output to STDOUT also output to a file named '-'
- Now support data from STDIN

Signed-off-by: Paul Horton <phorton@sonatype.com> (`4a47efb` <<https://github.com/CycloneDX/cyclonedx-python/commit/4a47efbb53cb59bc154b0c5c9067dfb835a440a3>>`_)

- Moved from local cyclonedx-python-lib dependency to published version on PyPi.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`3ac87a6` <<https://github.com/CycloneDX/cyclonedx-python/commit/3ac87a60c0e885aa3d4b45e1f5849d1a4ac32b2c>>`_)

- Re-work to consume new cyclonedx python library which will do all the heavy lifting.

Signed-off-by: Paul Horton <phorton@sonatype.com> (`25f89fd` <<https://github.com/CycloneDX/cyclonedx-python/commit/25f89fde49b2fa982d6beb4bfd5e7b69299b31be>>`_)

- Merge pull request #190 from CycloneDX/dependabot/github_actions/actions/setup-python-2.2.2 (`f5a0946` <<https://github.com/CycloneDX/cyclonedx-python/commit/f5a094617f1167f08abdf75946761e24399a522f>>`_)
- Merge pull request #191 from CycloneDX/dependabot/github_actions/actions/upload-release-asset-1.0.2 (`caac584` <<https://github.com/CycloneDX/cyclonedx-python/commit/caac5844199406730d9db770089f2d04f0cef18c>>`_)
- Merge pull request #192 from CycloneDX/dependabot/github_actions/actions/create-release-1.1.4

Bump actions/create-release from 1 to 1.1.4 (`33e47b0` <<https://github.com/CycloneDX/cyclonedx-python/commit/33e47b0bbaf83582a60ed090d2eb1b0bb45a7a6e>>`_)

- Merge pull request #202 from CycloneDX/dependabot/docker/python-3.9.6-slim-buster

Bump python from 3.9.5-slim-buster to 3.9.6-slim-buster (`c859cb7` <<https://github.com/CycloneDX/cyclonedx-python/commit/c859cb7542ea0ba726ee91191a3a83c311739b10>>`_)

- Merge pull request #206 from mgrajesh1/issue_205_pypi_connect_using_proxy

Issue# 205. Use HTTPS_PROXY if env is set (`f5108c4` <<https://github.com/CycloneDX/cyclonedx-python/commit/f5108c469f2e53fb8c33f449d19cb9967e72da>>`_)

- Updating copyright statements (`18e206e` <<https://github.com/CycloneDX/cyclonedx-python/commit/18e206e4ebb7eaeaf9d764a5e539e4ec28f27e4d>>`_)
- Issue# 205. Use HTTPS_PROXY if env is set

Signed-off-by: akshadpai <akshadpai01@gmail.com> (`4fb8714` <<https://github.com/CycloneDX/cyclonedx-python/commit/4fb8714ea71d7d2b777442568e0f5b43bb892da>>`_)

- Bump python from 3.9.5-slim-buster to 3.9.6-slim-buster

Bumps python from 3.9.5-slim-buster to 3.9.6-slim-buster.

updated-dependencies:

- dependency-name: python dependency-type: direct:production update-type: version-update:semver-patch ...

Signed-off-by: dependabot[bot] <support@github.com> (`ecd0fba` <<https://github.com/CycloneDX/cyclonedx-python/commit/ecd0fbaf14c93e372c2fdf5d7c86cd4f4fd8f168>>`_)

- Added notice and updated file headers (`0f4ff74` <<https://github.com/CycloneDX/cyclonedx-python/commit/0f4ff74890fd30c81e5cec6d17470fdb771ae09>>`_)
- Bump actions/create-release from 1 to 1.1.4

Bumps actions/create-release from 1 to 1.1.4.

- Release notes
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`6371988` <<https://github.com/CycloneDX/cyclonedx-python/commit/63719884de0c76e25a7977c2fdb7378d27dd3b22>>`_)

- Bump actions/upload-release-asset from 1 to 1.0.2

Bumps [actions/upload-release-asset](#) from 1 to 1.0.2.

- [Release notes](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`^50cfad3` <<https://github.com/CycloneDX/cyclonedx-python/commit/50cfad3d7863c595d577561c51a8759eca3deb1b>>`_)

- Bump actions/setup-python from 2.2.1 to 2.2.2

Bumps [actions/setup-python](#) from 2.2.1 to 2.2.2.

- [Release notes](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`^dbca5da` <<https://github.com/CycloneDX/cyclonedx-python/commit/dbca5dac176ce3d69d45df831bfc268ee4c2de25>>`_)

- Merge pull request #186 from CycloneDX/dependabot/docker/python-3.9.5-slim-buster

Bump python from 3.9.2-slim-buster to 3.9.5-slim-buster (`^3cd645a` <<https://github.com/CycloneDX/cyclonedx-python/commit/3cd645a9b74f4e7921cd53ab336c286280b10c47>>`_)

- Bump python from 3.9.2-slim-buster to 3.9.5-slim-buster

Bumps python from 3.9.2-slim-buster to 3.9.5-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (`^657b1ff` <<https://github.com/CycloneDX/cyclonedx-python/commit/657b1ff16c8928b02f0e0929a85662af3d44001e>>`_)

- Merge pull request #173 from CycloneDX/dependabot/pip/packageurl-python-0.9.4

Bump packageurl-python from 0.9.3 to 0.9.4 (`^1615d91` <<https://github.com/CycloneDX/cyclonedx-python/commit/1615d91436cd9bc68f26d5e69085133adb953834>>`_)

- Merge pull request #165 from CycloneDX/dependabot/docker/python-3.9.2-slim-buster

Bump python from 3.9.1-slim-buster to 3.9.2-slim-buster (`^4a33cf1` <<https://github.com/CycloneDX/cyclonedx-python/commit/4a33cf117388456329e89e139ea876b1e13269b1>>`_)

- Bump packageurl-python from 0.9.3 to 0.9.4

Bumps [packageurl-python](#) from 0.9.3 to 0.9.4.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`^7f153fa` <<https://github.com/CycloneDX/cyclonedx-python/commit/7f153faf7c4ba63949734502fdc1bb6eddb13edb>>`_)

- Merge pull request #161 from CycloneDX/dependabot/pip/packaging-20.9

Bump packaging from 20.7 to 20.9 (`^57a0b16` <<https://github.com/CycloneDX/cyclonedx-python/commit/57a0b168b2043235e48593d61aa9120d285e6bda>>`_)

- Bump python from 3.9.1-slim-buster to 3.9.2-slim-buster

Bumps python from 3.9.1-slim-buster to 3.9.2-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (`^fba5248` <<https://github.com/CycloneDX/cyclonedx-python/commit/fba524838a6d388bf429dacac53b5ff51351d657>>`_)

- Bump packaging from 20.7 to 20.9

Bumps [packaging](#) from 20.7 to 20.9.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`240847f` <<https://github.com/CycloneDX/cyclonedx-python/commit/240847f340db80ba3c967d7a1cf59cff841968e9>>`_)

- Merge pull request #149 from CycloneDX/dependabot/github_actions/actions/setup-python-v2.2.1

Bump actions/setup-python from v2.2.0 to v2.2.1 (`5eb87ee` <<https://github.com/CycloneDX/cyclonedx-python/commit/5eb87ee0ab403b5673bd38baea63bcfb31c230af>>`_)

- Bump actions/setup-python from v2.2.0 to v2.2.1

Bumps [actions/setup-python](#) from v2.2.0 to v2.2.1.

- [Release notes](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`3c9eaae` <<https://github.com/CycloneDX/cyclonedx-python/commit/3c9eaae3babb5cdce00d1a3192e7e02f9023d8fe>>`_)

- Merge pull request #147 from CycloneDX/dependabot/github_actions/actions/setup-python-v2.2.0

Bump actions/setup-python from v2.1.4 to v2.2.0 (`a31103e` <<https://github.com/CycloneDX/cyclonedx-python/commit/a31103e7351e45e354d5edb6d1b332c904381b08>>`_)

- Bump actions/setup-python from v2.1.4 to v2.2.0

Bumps [actions/setup-python](#) from v2.1.4 to v2.2.0.

- [Release notes](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (`89dacb0` <<https://github.com/CycloneDX/cyclonedx-python/commit/89dacb0e1e95b975251597465e54e56ea4b9ccbb>>`_)

- Merge pull request #142 from CycloneDX/dependabot/docker/python-3.9.1-slim-buster

Bump python from 3.9.0-slim-buster to 3.9.1-slim-buster (`2f1f5ba` <<https://github.com/CycloneDX/cyclonedx-python/commit/2f1f5ba215b72147be425a0a51360674ed9ebfe1>>`_)

- Bump python from 3.9.0-slim-buster to 3.9.1-slim-buster

Bumps python from 3.9.0-slim-buster to 3.9.1-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (`37eaf19` <<https://github.com/CycloneDX/cyclonedx-python/commit/37eaf19ef115e715af2314e68da1c6df222749d0>>`_)

6.3.28 v0.4.3 (2020-12-05)

Unknown

- Bug fix release - invalid XML character handling (``\ud5c01e`` <[Fix for invalid xml characters \(``\de9c16`` <\[- Re-order test data \\(``c8fa641`` <\\[>`_\\\)\\]\\(https://github.com/CycloneDX/cyclonedx-python/commit/c8fa641ee8a41aae885f2650427c522270d81067>`_\\)• Add handling for invalid xml characters \\(`<code>\228af8d</code>` <<a href=\\)
 - Add test for invalid xml unicode characters \\(``\56bbb40`` <\\[Bump packaging from 20.4 to 20.7 \\\(``ca4cf86`` <\\\[- Bump packaging from 20.4 to 20.7\\\]\\\(https://github.com/CycloneDX/cyclonedx-python/commit/ca4cf86ccd109d112fa5d234139564a6ed99a55e>`_\\\)</p></div><div data-bbox=\\\)\\]\\(https://github.com/CycloneDX/cyclonedx-python/commit/56bbb40fe53bea411b74d0564477305cca0053d>`_\\)• Merge pull request #138 from CycloneDX/dependabot/pip/packaging-20.7</div><div data-bbox=\\)\]\(https://github.com/CycloneDX/cyclonedx-python/commit/8de9c16741605f54e57caa15e91dbddd74682ed>`_\)</p></div><div data-bbox=\)](https://github.com/CycloneDX/cyclonedx-python/commit/0d5c01e616f6c716c9f261eed9d45f52d9644d9f>`_)• Merge pull request #140 from CycloneDX/invalid-xml-characters</div><div data-bbox=)

Bumps [packaging](#) from 20.4 to 20.7.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`\oce786c`` <[- Merge pull request #137 from CycloneDX/dependabot/pip/requests-2.25.0](https://github.com/CycloneDX/cyclonedx-python/commit/0ce786cfbe4ce41f22c10dbda112a242c36e1fe3>`_)</p></div><div data-bbox=)

Bump requests from 2.24.0 to 2.25.0 (``e943788`` <[- Bump requests from 2.24.0 to 2.25.0](https://github.com/CycloneDX/cyclonedx-python/commit/e943788f5321c1bc292de531b77560590d02d5c1>`_)</p></div><div data-bbox=)

Bumps [requests](#) from 2.24.0 to 2.25.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`\5b22ddf`` <[- Merge pull request #134 from CycloneDX/dependabot/github_actions/actions/checkout-v2.3.4](https://github.com/CycloneDX/cyclonedx-python/commit/5b22ddfec8f0ccde335458756a99c0ea5477e33>`_)</p></div><div data-bbox=)

Bump actions/checkout from v2.3.3 to v2.3.4 (``85bb4fc`` <[- Bump actions/checkout from v2.3.3 to v2.3.4](https://github.com/CycloneDX/cyclonedx-python/commit/85bb4fcabb5dadf188332d3d04c38565fc62bf10>`_)</p></div><div data-bbox=)

Bumps [actions/checkout](#) from v2.3.3 to v2.3.4.

- Release notes

- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`22b9305` <<https://github.com/CycloneDX/cyclonedx-python/commit/22b9305f76a59699edc3d13c320bf7c5944e8488>>`_)

- Merge pull request #132 from CycloneDX/dependabot/pip/setuptools-50.3.2

Bump setuptools from 50.3.1 to 50.3.2 (`d01d920` <<https://github.com/CycloneDX/cyclonedx-python/commit/d01d9204289ff27f589331b2c6d4e284ab3eff00>>`_)

- Bump setuptools from 50.3.1 to 50.3.2

Bumps setuptools from 50.3.1 to 50.3.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`e2df914` <<https://github.com/CycloneDX/cyclonedx-python/commit/e2df914e5b5ae6076d2b449117ab0f513b7fd0f9>>`_)

- Merge pull request #133 from CycloneDX/dependabot/pip/pytest-6.1.2

Bump pytest from 6.1.1 to 6.1.2 (`140a00a` <<https://github.com/CycloneDX/cyclonedx-python/commit/140a00a4e932ea5cf059e4dfc02b502b4a5b757b>>`_)

- Bump pytest from 6.1.1 to 6.1.2

Bumps pytest from 6.1.1 to 6.1.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`bf5267d` <<https://github.com/CycloneDX/cyclonedx-python/commit/bf5267d1f85d83cbde310510afcc54fa043e0267>>`_)

- Merge pull request #127 from CycloneDX/dependabot/pip/setuptools-50.3.1

Bump setuptools from 50.3.0 to 50.3.1 (`bb69861` <<https://github.com/CycloneDX/cyclonedx-python/commit/bb69861b200704ec04145b202633c468677d9403>>`_)

- Merge pull request #128 from CycloneDX/dependabot/github_actions/actions/setup-python-v2.1.4

Bump actions/setup-python from v2.1.3 to v2.1.4 (`de9da36` <<https://github.com/CycloneDX/cyclonedx-python/commit/de9da36e48c3fa43b3601297499d7d1a72c5799f>>`_)

- Bump actions/setup-python from v2.1.3 to v2.1.4

Bumps actions/setup-python from v2.1.3 to v2.1.4.

- Release notes
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`765d9d1` <<https://github.com/CycloneDX/cyclonedx-python/commit/765d9d124536d58b7a6a93d518e9375e161644dd>>`_)

- Bump setuptools from 50.3.0 to 50.3.1

Bumps setuptools from 50.3.0 to 50.3.1.

- Release notes

- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``162d7ea` <<https://github.com/CycloneDX/cyclonedx-python/commit/162d7ea960048a7b1e0e793558467d7fb1403cf2>>``)

- Merge pull request #126 from CycloneDX/devcontainer

Add devcontainer configuration (``859e9a4` <<https://github.com/CycloneDX/cyclonedx-python/commit/859e9a476127adc90a15b461ca9a88cf6a64810f>>``)

- Add devcontainer configuration (``b9c34a6` <<https://github.com/CycloneDX/cyclonedx-python/commit/b9c34a67030208cc7204889ecfd48e007ca3d242>>``)

- Merge pull request #118 from c0d3nh4ck/master

Added support for metadata timestamp (``d954df8` <<https://github.com/CycloneDX/cyclonedx-python/commit/d954df868d155f58daa690c6f567e660fe3900d1>>``)

- check for metadata to be empty (``180f207` <<https://github.com/CycloneDX/cyclonedx-python/commit/180f20714ced7a64a256f12f3c9ecf2d047427d4>>``)

6.3.29 v0.4.2 (2020-10-08)

Unknown

- Maintenance release (``308f98e` <<https://github.com/CycloneDX/cyclonedx-python/commit/308f98efe11c404f414676e256e50d733153dc26>>``)
- Merge pull request #121 from CycloneDX/dependabot/docker/python-3.9.0-slim-buster

Bump python from 3.8.6-slim-buster to 3.9.0-slim-buster (``7703a52` <<https://github.com/CycloneDX/cyclonedx-python/commit/7703a52b8fd342392d1836c30f89d575f1183490>>``)

- Merge pull request #120 from CycloneDX/dependabot/pip/packageurl-python-0.9.3

Bump packageurl-python from 0.9.2 to 0.9.3 (``257fa2b` <<https://github.com/CycloneDX/cyclonedx-python/commit/257fa2b539980350838368dbdf54476f528f6107>>``)

- Bump python from 3.8.6-slim-buster to 3.9.0-slim-buster

Bumps python from 3.8.6-slim-buster to 3.9.0-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (``bf938c9` <<https://github.com/CycloneDX/cyclonedx-python/commit/bf938c9a0ebfe983f5914ae604ab4894592ceac8>>``)

- Bump packageurl-python from 0.9.2 to 0.9.3

Bumps packageurl-python from 0.9.2 to 0.9.3.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``1a7d36b` <<https://github.com/CycloneDX/cyclonedx-python/commit/1a7d36bb44337fd13d7afb6be87fc7159bf48a5>>``)

- Merge pull request #119 from CycloneDX/dependabot/pip/pytest-6.1.1

Bump pytest from 6.1.0 to 6.1.1 (``202f029` <<https://github.com/CycloneDX/cyclonedx-python/commit/202f0290124241d60dfb9d3cf3e25e928546cc6c>>``)

- Bump pytest from 6.1.0 to 6.1.1

Bumps [pytest](#) from 6.1.0 to 6.1.1.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (``005f85f` <<https://github.com/CycloneDX/cyclonedx-python/commit/005f85fb6e7590174abb358b52ceb16639baa74d>>`_)

- update for the xml part to convert metadata to dictionary object (``d31e8b2` <<https://github.com/CycloneDX/cyclonedx-python/commit/d31e8b269afa93aaaa87c2bf0999f018aa94c2cf>>`_)
- updated metadata to dictionary from list (``deebd3d` <<https://github.com/CycloneDX/cyclonedx-python/commit/deebd3d38e8f2c3697b8be20de05788706ec89cb>>`_)
- Added code to check for metadata value (``a3497fd` <<https://github.com/CycloneDX/cyclonedx-python/commit/a3497fd5370b1cb289fb0a82ece65cca0808dd7>>`_)
- added default value for metadata as None (``86641b6` <<https://github.com/CycloneDX/cyclonedx-python/commit/86641b6196a8e823f53f4554caaf2ceb4a32b486>>`_)
- Added support for metadata timestamp (``27eb3e5` <<https://github.com/CycloneDX/cyclonedx-python/commit/27eb3e550fceeb2e737f602048c5ccf6b9d95664>>`_)
- Merge pull request #116 from CycloneDX/dependabot/github_actions/actions/setup-python-v2.1.3

Bump actions/setup-python from v2.1.2 to v2.1.3 (``e7c1cd9` <<https://github.com/CycloneDX/cyclonedx-python/commit/e7c1cd9fa6a564b015d923b2219509bab9804cd1>>`_)

- Bump actions/setup-python from v2.1.2 to v2.1.3

Bumps [actions/setup-python](#) from v2.1.2 to v2.1.3.

- [Release notes](#)
- [Commits](#)

Signed-off-by: dependabot[bot] <support@github.com> (``648ab6f` <<https://github.com/CycloneDX/cyclonedx-python/commit/648ab6fd6b4d0f2f374ebf8d563352101024e474>>`_)

- Merge pull request #112 from CycloneDX/dependabot/pip/xmlschema-1.2.5

Bump xmlschema from 1.2.4 to 1.2.5 (``9f22abf` <<https://github.com/CycloneDX/cyclonedx-python/commit/9f22abff2d65b9787f980277622463af10a0e68a>>`_)

- Merge pull request #113 from CycloneDX/dependabot/pip/pytest-6.1.0

Bump pytest from 6.0.1 to 6.1.0 (``5801185` <<https://github.com/CycloneDX/cyclonedx-python/commit/5801185ad080cb47fcc967ce47c8a421578f195>>`_)

- Merge pull request #115 from praveenmylavapu/make-component-generic

Make component type generic (``584e929` <<https://github.com/CycloneDX/cyclonedx-python/commit/584e929ab97e5b82d4738568cc2ba0f8543c670f>>`_)

- Merge pull request #114 from praveenmylavapu/remove-duplicate

remove duplicate function call (``7ad5892` <<https://github.com/CycloneDX/cyclonedx-python/commit/7ad5892cd958719323b3ef047b06b99bdea458ee>>`_)

- Make component type generic (``4a2d220` <<https://github.com/CycloneDX/cyclonedx-python/commit/4a2d220f3c7d7bd2af663977cde93faae20ab8d4>>`_)

- remove duplicate function call (``df6d6d0` <<https://github.com/CycloneDX/cyclonedx-python/commit/df6d6d035649f765672c2ddb67de08257a6594f3>>`_)
- Bump pytest from 6.0.1 to 6.1.0

Bumps pytest from 6.0.1 to 6.1.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``f8ffeeb` <<https://github.com/CycloneDX/cyclonedx-python/commit/f8ffeebb97c58fc79eacbf2f58a8f90fdf6260bd>>`_)

- Bump xmlschema from 1.2.4 to 1.2.5

Bumps [xmlschema](#) from 1.2.4 to 1.2.5.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``8f94c58` <<https://github.com/CycloneDX/cyclonedx-python/commit/8f94c589b8d756c13a3c26cc2662681d0933391e>>`_)

- Revert "Bump pytest from 6.0.1 to 6.0.2"

This reverts commit 986d2ef737e051be04203b14ee5d11b26b00edb7. (``528341a` <<https://github.com/CycloneDX/cyclonedx-python/commit/528341af07dc7a4cdee995432b652aee8c6100e7>>`_)

- Merge pull request #108 from CycloneDX/dependabot/pip/pytest-6.0.2

Bump pytest from 6.0.1 to 6.0.2 (``feed962` <<https://github.com/CycloneDX/cyclonedx-python/commit/feed962319f1dc0e47e24ec7ef603228602a55bf>>`_)

- Bump pytest from 6.0.1 to 6.0.2

Bumps [pytest](#) from 6.0.1 to 6.0.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``986d2ef` <<https://github.com/CycloneDX/cyclonedx-python/commit/986d2ef737e051be04203b14ee5d11b26b00edb7>>`_)

- Merge pull request #109 from CycloneDX/dependabot/pip/packageurl-python-0.9.2

Bump packageurl-python from 0.9.1 to 0.9.2 (``bfa1db6` <<https://github.com/CycloneDX/cyclonedx-python/commit/bfa1db63790938e038a6ceb52ca1281a01362818>>`_)

- Bump packageurl-python from 0.9.1 to 0.9.2

Bumps [packageurl-python](#) from 0.9.1 to 0.9.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``a2a3596` <<https://github.com/CycloneDX/cyclonedx-python/commit/a2a35968f8b8e0580b3bfb0cd2a14ea2110b7b5>>`_)

- Merge pull request #107 from CycloneDX/dependabot/pip/xmlschema-1.2.4

Bump xmlschema from 1.2.3 to 1.2.4 (``c58a756`` <[- Merge pull request #111 from CycloneDX/dependabot/docker/python-3.8.6-slim-buster](https://github.com/CycloneDX/cyclonedx-python/commit/c58a756c8299db469b6f37c87557e1357bbb927>`_)</p></div><div data-bbox=)

Bump python from 3.8.5-slim-buster to 3.8.6-slim-buster (``00eccf6`` <[- Bump python from 3.8.5-slim-buster to 3.8.6-slim-buster](https://github.com/CycloneDX/cyclonedx-python/commit/00eccf61b9b9de2a7fa01d496764f60c48ce43c5>`_)</p></div><div data-bbox=)

Bumps python from 3.8.5-slim-buster to 3.8.6-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (``0db21cd`` <[- Merge pull request #110 from CycloneDX/dependabot/github_actions/actions/checkout-v2.3.3](https://github.com/CycloneDX/cyclonedx-python/commit/0db21cd5dad63c689636228694e8c5ed9dc6b923>`_)</p></div><div data-bbox=)

Bump actions/checkout from v2.3.2 to v2.3.3 (``f84ace1`` <[- Bump actions/checkout from v2.3.2 to v2.3.3](https://github.com/CycloneDX/cyclonedx-python/commit/f84ace1dde38b794c81cda88dbf6d6a5f23abd61>`_)</p></div><div data-bbox=)

Bumps actions/checkout from v2.3.2 to v2.3.3.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``f1381a5`` <[- Bump xmlschema from 1.2.3 to 1.2.4](https://github.com/CycloneDX/cyclonedx-python/commit/f1381a51978f00c5f7eb7fa1c72e0a28649f3704>`_)</p></div><div data-bbox=)

Bumps xmlschema from 1.2.3 to 1.2.4.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (``8a92d37`` <[- Merge pull request #101 from CycloneDX/dependabot/docker/python-3.8.5-slim-buster](https://github.com/CycloneDX/cyclonedx-python/commit/8a92d370eb4ec3655066bb1c736542c5cd636f66>`_)</p></div><div data-bbox=)

Bump python from 3.8.1-slim-buster to 3.8.5-slim-buster (``bfa41d2`` <[- Merge pull request #105 from CycloneDX/null-license-handling](https://github.com/CycloneDX/cyclonedx-python/commit/bfa41d2830231b94a8885f2db5bd02b57ed5f9f0>`_)</p></div><div data-bbox=)

Add test data for package with a null license (``50e634b`` <[- Fix test data for GitHub runners](https://github.com/CycloneDX/cyclonedx-python/commit/50e634bfb741d9d273aea298f590368791ca5ad>`_)</p></div><div data-bbox=)

There is something odd here that needs more investigation to make it more deterministic. (``d2fee97`` <[- Merge branch 'master' into null-license-handling \(``0d11a2e`` <\[>`_\\)\]\(https://github.com/CycloneDX/cyclonedx-python/commit/0d11a2e247700467a91d09a5ce03e1928547a6c5>`_\)• Add test data for package with a null license \(`<code>9958abb</code>` <<a href=\)](https://github.com/CycloneDX/cyclonedx-python/commit/d2fee97a6557410eebe257039bca19aeda32884c>`_)</p></div><div data-bbox=)

6.3.30 v0.4.1 (2020-09-08)

Unknown

- Bug fix release
- Fix handling of null licenses
- Fix Docker image bundled tool version (``ab588be` <https://github.com/CycloneDX/cyclonedx-python/commit/ab588be864ac0d14f3ddfbf5ecb93f019967a561>`_)`
- Merge pull request #104 from rback123/patch-103

Prevent crash when package_license is none from pypi null value (``57e31f0` <https://github.com/CycloneDX/cyclonedx-python/commit/57e31f03193d22fc508e1c9f68a2993cb12d0aa3>`_)`

- Added NoneType check for package_license (``6b18250` <https://github.com/CycloneDX/cyclonedx-python/commit/6b182500ddf055ac702716d05f15307c41a82f21>`_)`
- Bump python from 3.8.1-slim-buster to 3.8.5-slim-buster

Bumps python from 3.8.1-slim-buster to 3.8.5-slim-buster.

Signed-off-by: dependabot[bot] <support@github.com> (`a5e46d1` <https://github.com/CycloneDX/cyclonedx-python/commit/a5e46d1dde1d82136fa8ec3bf901b5570c7786da>`_)`

- Merge pull request #102 from CycloneDX/docker-release-fix

Use release built package when building Docker image (``3c8b583` <https://github.com/CycloneDX/cyclonedx-python/commit/3c8b583b20b388aef996d2dcce15eb205106e093>`_)`

- Install locally created package when creating Docker image (``890bdee` <https://github.com/CycloneDX/cyclonedx-python/commit/890bdeed11f686ef666d2d649373ac18c9645cd7>`_)`
- Merge pull request #100 from CycloneDX/dependabot/github_actions/actions/setup-python-v2.1.2

Bump actions/setup-python from v1 to v2.1.2 (``60ecc7c` <https://github.com/CycloneDX/cyclonedx-python/commit/60ecc7c91e646e9504b7b48dfc926b6f52455472>`_)`

- Bump actions/setup-python from v1 to v2.1.2

Bumps actions/setup-python from v1 to v2.1.2.

- Release notes
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`6d34eaa` <https://github.com/CycloneDX/cyclonedx-python/commit/6d34eaa5b8abceb38d27bd4d0c0159747e4f5e>`_)`

- Merge pull request #99 from CycloneDX/dependabot/github_actions/actions/checkout-v2.3.2

Bump actions/checkout from v1 to v2.3.2 (``dc2af31` <https://github.com/CycloneDX/cyclonedx-python/commit/dc2af31ae60e81d8689a5e65612363387e414a7>`_)`

- Bump actions/checkout from v1 to v2.3.2

Bumps actions/checkout from v1 to v2.3.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot[bot] <support@github.com> (`127e885` <https://github.com/CycloneDX/cyclonedx-python/commit/127e8851dec86f21c285187eb9f4f7e756b43b3e>`_)`

- Merge pull request #98 from davidkarlsen/dependabot

```
fix      language      definition      (`'6cc7a17`      <https://github.com/CycloneDX/cyclonedx-python/commit/6cc7a1795f81eb9891f8feeee378490e733dbb81>`_)
```

- fix language definition (`'cee1611` <https://github.com/CycloneDX/cyclonedx-python/commit/cee16114b785f6ce7e47d533ba860fe1eda35a31>`_)

- Merge pull request #97 from davidkarlsen/dependabot

Configure dependabot through config-files (`'003e20c` <https://github.com/CycloneDX/cyclonedx-python/commit/003e20c29f5b62c673bbd7dd8ab53e6c67bf833c>`_)

- Configure dependabot through config-files

Signed-off-by: David Karlsen <david@davidkarlsen.com> (`'36c92f7` <https://github.com/CycloneDX/cyclonedx-python/commit/36c92f712e20ef783eb5e34c564da4fce5b0cea>`_)

- Merge pull request #96 from CycloneDX/dependabot/pip/setuptools-50.3.0

Bump setuptools from 50.1.0 to 50.3.0 (`'2727ff9` <https://github.com/CycloneDX/cyclonedx-python/commit/2727ff9faa41b673733b59f5c3368b0dfa6e1dc>`_)

- Bump setuptools from 50.1.0 to 50.3.0

Bumps `setuptools` from 50.1.0 to 50.3.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'60e3547` <https://github.com/CycloneDX/cyclonedx-python/commit/60e35478ac04e12f4bd8cf8ec085bb2774a171d0>`_)

- Add additional comments/doco to the GitHub workflows (`'f49bad6` <https://github.com/CycloneDX/cyclonedx-python/commit/f49bad60e60c748d357322720d49985dd00ccb90>`_)
- Merge pull request #93 from CycloneDX/dependabot/pip/setuptools-50.1.0

Bump setuptools from 18.5 to 50.1.0 (`'de6c3a9` <https://github.com/CycloneDX/cyclonedx-python/commit/de6c3a933e89ac00b195aef801a1932b14efa669>`_)

- Bump setuptools from 18.5 to 50.1.0

Bumps `setuptools` from 18.5 to 50.1.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'b9dd248` <https://github.com/CycloneDX/cyclonedx-python/commit/b9dd2484af195bd928ba3f19f097e2a2a96dff2>`_)

- Merge pull request #84 from CycloneDX/dependabot/pip/packageurl-python-0.9.1

Bump packageurl-python from 0.8.7 to 0.9.1 (`'1434bd8` <https://github.com/CycloneDX/cyclonedx-python/commit/1434bd867c341e44151f4bd29f330eed628ea25d>`_)

- Bump packageurl-python from 0.8.7 to 0.9.1

Bumps `packageurl-python` from 0.8.7 to 0.9.1.

- Release notes

- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`c45e7b7` <<https://github.com/CycloneDX/cyclonedx-python/commit/c45e7b70214a07e2241f1af76a01498954617562>>_)

- Add 30 minute timeout for GitHub workflows (`47341f7` <<https://github.com/CycloneDX/cyclonedx-python/commit/47341f7661b5d2a4b99c3544e248664853798af2>>_)
- Merge pull request #68 from CycloneDX/dependabot/pip/packaging-20.4

Bump packaging from 19.2 to 20.4 (`9123452` <<https://github.com/CycloneDX/cyclonedx-python/commit/9123452d842d0975a6a3874fef10f1d6f9359114>>_)

- Bump packaging from 19.2 to 20.4

Bumps [packaging](#) from 19.2 to 20.4.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`cc0ba25` <<https://github.com/CycloneDX/cyclonedx-python/commit/cc0ba25e0b60aea91ab4b7a7abdd73d8b17640f7>>_)

- Merge pull request #82 from CycloneDX/dependabot/pip/pytest-6.0.1

Bump pytest from 4.6.9 to 6.0.1 (`ab1eb35` <<https://github.com/CycloneDX/cyclonedx-python/commit/ab1eb358946e5c602ebd47a1b8e0849e102622df>>_)

- Merge pull request #78 from CycloneDX/dependabot/pip/requests-2.24.0

Bump requests from 2.22.0 to 2.24.0 (`ac5ab88` <<https://github.com/CycloneDX/cyclonedx-python/commit/ac5ab88111a6c332294aa245ae1fc2d19127405b>>_)

- Bump requests from 2.22.0 to 2.24.0

Bumps [requests](#) from 2.22.0 to 2.24.0.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`53ed092` <<https://github.com/CycloneDX/cyclonedx-python/commit/53ed092fe00296d413fe89c712b43d397f3538d9>>_)

- Merge pull request #89 from CycloneDX/dependabot/pip/xmlschema-1.2.3

Bump xmlschema from 1.0.16 to 1.2.3 (`72cad92` <<https://github.com/CycloneDX/cyclonedx-python/commit/72cad929f6f8e83c1b3baaecd2027f6ccb2ef35>>_)

- Bump xmlschema from 1.0.16 to 1.2.3

Bumps [xmlschema](#) from 1.0.16 to 1.2.3.

- [Release notes](#)
- [Changelog](#)
- [Commits](#)

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`2e0aa9f` <<https://github.com/CycloneDX/cyclonedx-python/commit/2e0aa9f546b4240fe44433ed6bccd8cd16ab3806>>_)

6.3.31 v0.4.0 (2020-09-03)

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- Fix incorrect twine upload repo (``2ad67fe` <https://github.com/CycloneDX/cyclonedx-python/commit/2ad67fe4150450aab7d0448a2b33cb119887178d>`_)`
- Feature release
- add JSON support
- include schema files in package
- code quality improvements (``74cdcaf` <https://github.com/CycloneDX/cyclonedx-python/commit/74cdcaf2d4e08d95a78801dcda80d0e95574a912>`_)`
- Remove manual release script (``927da78` <https://github.com/CycloneDX/cyclonedx-python/commit/927da786a0fa3021738a591db8c0ba7529aa21f5>`_)`
- Add Docker image and GitHub release to workflow (``4f921a8` <https://github.com/CycloneDX/cyclonedx-python/commit/4f921a8b1608ce2f6b8f15e94a6d12d970217dfd>`_)`
- Add docker build and push to release workflow (``7b868dc` <https://github.com/CycloneDX/cyclonedx-python/commit/7b868dcce7507675b7b657def7af9f92ea939bc9>`_)`
- Merge branch 'master' into github-workflows (``6134a9b` <https://github.com/CycloneDX/cyclonedx-python/commit/6134a9b7821b1a464313b799f22eab9927d95bc2>`_)`
- Merge pull request #94 from CycloneDX/github-workflows

GitHub workflow for releases (``aa84147` <https://github.com/CycloneDX/cyclonedx-python/commit/aa841471e0d6ddd68c414fefbc5c32710bd06a3a>`_)`

- Add release workflow (``9396ba8` <https://github.com/CycloneDX/cyclonedx-python/commit/9396ba819714c5174f50ad76988a54e05efcf159>`_)`
- Remove newline from VERSION (``c67b398` <https://github.com/CycloneDX/cyclonedx-python/commit/c67b3982ada361aa83c8a881b3be504a54b6ead0>`_)`
- Run CI tests on Ubuntu, Windows and Mac agents (``eb84c46` <https://github.com/CycloneDX/cyclonedx-python/commit/eb84c46fe59f24337fef3237f6af45e10520c638>`_)`
- Rename pythonpackge workflow file to ci (``2137711` <https://github.com/CycloneDX/cyclonedx-python/commit/2137711e327e3bb7e8d6d372c9dc1f88cc5bf9f>`_)`
- Bump pytest from 4.6.9 to 6.0.1

Bumps pytest from 4.6.9 to 6.0.1.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`a3db165` <https://github.com/CycloneDX/cyclonedx-python/commit/a3db165660415220956ef372c5c4d2ce0e84863f>`_)`)

- Merge pull request #63 from coderpatros/json

Support for JSON output (``a71084c` <https://github.com/CycloneDX/cyclonedx-python/commit/a71084cd851fc3a40e9dc322281796200b32e05d>`_)`)

- Replace snapshot JSON schema with final v1.2 schema (``44ad74b` <https://github.com/CycloneDX/cyclonedx-python/commit/44ad74be1db17d39f9ea82834b65be21f44951c9>`_)`)

- Update existing tests to use CLI instead of module imports (``99430cc` <https://github.com/CycloneDX/cyclonedx-python/commit/99430cc51b1d80c8949e4518dab5341e05b053ca>`_)`
- Add initial "preview" JSON output support (``44e0667` <https://github.com/CycloneDX/cyclonedx-python/commit/44e0667b57d52da3861e17071bcfe9f6fe0f47>`_)`
- Fix bug that can result in duplicate components being included in the BOM (``5fd04f5` <https://github.com/CycloneDX/cyclonedx-python/commit/5fd04f5550b12c88589d43eb9064c30d56b415ab>`_)`
- Refactor to use Component, Hash and License classes and rename some XML methods

This is in preparation for supporting JSON output. (``3be896a` <https://github.com/CycloneDX/cyclonedx-python/commit/3be896afdb0d4b205b27d222f22e37c7a2fc02e>`_)`

- Fix path issue when debugging from virtual environment (``d208b16` <https://github.com/CycloneDX/cyclonedx-python/commit/d208b16bb0a4d9bac65556d57f4cbc44b5b93db5>`_)`
- Git ignore files in build/ and dist/ (``d80b959` <https://github.com/CycloneDX/cyclonedx-python/commit/d80b959647aa6dbc77d6c19b044686abf38c0>`_)`
- Merge pull request #55 from coderpatros/tests

Add a basic happy path test (``c373dad` <https://github.com/CycloneDX/cyclonedx-python/commit/c373dad3f068354cc3af85d5a7d8e8afce2b3fbf>`_)`

- Include xml schema files in package (``0ae93d6` <https://github.com/CycloneDX/cyclonedx-python/commit/0ae93d6b35d41d87a11e933316c20b75924727ce>`_)`
- Merge remote-tracking branch 'refs/remotes/origin/master'

Conflicts:

cyclonedx/cli/generateBom.py

Changes to generateBom.py moved to reader.py (``ab307e5` <https://github.com/CycloneDX/cyclonedx-python/commit/ab307e50ac0ad536ff2690534001062c56707d2c>`_)`

- Merge pull request #59 from RobertMaaskant/pypi-mirror-support

Pypi mirror support (``169b642` <https://github.com/CycloneDX/cyclonedx-python/commit/169b6428283361292dd90ef3fdf5abdb55542350>`_)`

- Use OrderedDict for hashes to fix failing test under Python 3.5

The dictionary implementation was changed from version 3.6. This means generated output is different under Python 3.5 (``518cae9` <https://github.com/CycloneDX/cyclonedx-python/commit/518cae97316040ffcf9971845b1b1730e6e353e>`_)`

- Fixup for mirror support (``d53a5d1` <https://github.com/CycloneDX/cyclonedx-python/commit/d53a5d102961245d985ac0e482be70573bca7f4d>`_)`
- Fixup of bad refactoring (``a95c39` <https://github.com/CycloneDX/cyclonedx-python/commit/a95c393f88d59e0814b280ce1f852d8331e316c>`_)`
- Refactor + add package info mirror support (``4876f41` <https://github.com/CycloneDX/cyclonedx-python/commit/4876f4192649ad7d2d5185af937e516b56d63a96>`_)`
- Simplified populate_digests method (``b9c5e0a` <https://github.com/CycloneDX/cyclonedx-python/commit/b9c5e0ac74d8747f9f93a070be5ead7592d58d22>`_)`
- Refactor bom building (``5043e85` <https://github.com/CycloneDX/cyclonedx-python/commit/5043e85c15ec6b7809fd566010a49516dad29ab>`_)`
- Prevent main client from running on import (``d3ce0c7` <https://github.com/CycloneDX/cyclonedx-python/commit/d3ce0c7141c74514a4e58105c0510bca14ef8676>`_)`

- Reorder imports (``19f47b9` <>`_\)`
- Add basic bom generation test (``1018f4c` <>`_\)`
- Use script relative paths for setup.py reference files (``b06a628` <>`_\)`
- Add .gitignore (``d07d736` <>`_\)`
- Update README.rst (``c845183` <>`_\)`
- Update README.rst (``7cc8e37` <>`_\)`
- Merge pull request #46 from davidkarlsen/feature/dockerimage

Docker image. Fixes #45 (``jbf1482` <

- Docker image. Fixes #45`

Signed-off-by: David Karlsen <david@davidkarlsen.com> (``7b06b3a` <

- bump \(`0364312` <

6.3.32 v0.3.5 \\(2019-12-05\\)`

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- bump (``85b4755` <

6.3. tests/test_parser_requirements.py`

6.3.33 v0.3.4 (2019-12-05)

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- call python (`'0d7ceca` <<https://github.com/CycloneDX/cyclonedx-python/commit/0d7ceca561b14692896c9d039b67f58dd69314d0>>`_)
- #11 #34 - Fix for version comparison (`'eeaca97` <<https://github.com/CycloneDX/cyclonedx-python/commit/eeaca970dfafbf3defd72846b7e4e9616b386cc9>>`_)
- Merge pull request #16 from CycloneDX/dependabot/pip/requirements-parser-0.2.0

Bump requirements-parser from 0.1.0 to 0.2.0 (`'5ac8aa0` <<https://github.com/CycloneDX/cyclonedx-python/commit/5ac8aa01df9512df671d18377acd10ee6a410860>>`_)

- Bump requirements-parser from 0.1.0 to 0.2.0

Bumps requirements-parser from 0.1.0 to 0.2.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'1505aa1` <<https://github.com/CycloneDX/cyclonedx-python/commit/1505aa17d05644798c717d4ef3b4967f042da4b4>>`_)

- Merge pull request #19 from CycloneDX/dependabot/pip/packaging-19.2

Bump packaging from 19.1 to 19.2 (`'f4a558f` <<https://github.com/CycloneDX/cyclonedx-python/commit/f4a558f5e72a80bd99ed5009c091c452473043e2>>`_)

- Merge pull request #30 from CycloneDX/dependabot/pip/xmlschema-1.0.16

Bump xmlschema from 1.0.14 to 1.0.16 (`'b22762a` <<https://github.com/CycloneDX/cyclonedx-python/commit/b22762ad4ec86b2e496fbe7c44278fbcede3ffdd>>`_)

- Merge remote-tracking branch 'origin/master' (`'3dba3a4` <<https://github.com/CycloneDX/cyclonedx-python/commit/3dba3a4560b084dccbc278241a091fc119f161e9>>`_)
- Changed lang (`'b586534` <<https://github.com/CycloneDX/cyclonedx-python/commit/b5865342c2290b1a97e4075f2b46e4b7b93a1a9a>>`_)
- Merge pull request #4 from msander/patch-1

Continue with other requirements (`'88193b2` <<https://github.com/CycloneDX/cyclonedx-python/commit/88193b244b632dd468e0cfffe1dd3c815256b03ef>>`_)

- Bump xmlschema from 1.0.14 to 1.0.16

Bumps xmlschema from 1.0.14 to 1.0.16.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'575595c` <<https://github.com/CycloneDX/cyclonedx-python/commit/575595cbfb95ac347776b04db935307fa7ba9ffa>>`_)

- Update pythonpackage.yml (`'21990bc` <<https://github.com/CycloneDX/cyclonedx-python/commit/21990bc2ac03df93ef31f393bd992345b44f06a6>>`_)

- bump (``f795b97`` <<https://github.com/CycloneDX/cyclonedx-python/commit/f795b978f5359b71b32089c0ec11c505b3e2c9b1>>_)

6.3.34 v0.3.3 (2019-11-14)

Unknown

- Updating release process (``2d47de4`` <<https://github.com/CycloneDX/cyclonedx-python/commit/2d47de4974ba5c4feac4aaab03bb4cb6cca2e95>>_)
- Merge pull request #29 from llamahunter/patch-1

Support requirements.txt with local files (``f476f4f`` <<https://github.com/CycloneDX/cyclonedx-python/commit/f476f4fd7060bf3fc4784c7c7d1d2ea59c027b09>>_)

- Support requirements.txt with local files

It's possible for the requirements.txt file to have local file listings. These do not have 'name' values, and so cause a runtime error when trying to concatenate a NoneType with a string. Test for 'local_file' requirements and skip them when generating bom. See <https://requirements-parser.readthedocs.io/en/latest/usage.html#parsing-requirement-specifiers> (``97d0cde`` <<https://github.com/CycloneDX/cyclonedx-python/commit/97d0cdebc4f3895bb5f2304c9ae9da931082bf4b>>_)

- Update README.rst (``89b488b`` <<https://github.com/CycloneDX/cyclonedx-python/commit/89b488b2f0e08c5368b26ab7352cace98598404d>>_)
- Update pythonpackage.yml (``86d1451`` <<https://github.com/CycloneDX/cyclonedx-python/commit/86d1451cf63bd66bbcb278200432b0b816b5842f>>_)
- Update pythonpackage.yml (``5db4810`` <<https://github.com/CycloneDX/cyclonedx-python/commit/5db481048459af2d179b5ebd8f83c0b3263f5ce7>>_)
- migrating from travis-ci to github actions (``29d989e`` <<https://github.com/CycloneDX/cyclonedx-python/commit/29d989eea5c7316b8adad2d9e7f6df07bd28fc05>>_)
- Update README.rst (``a1aa609`` <<https://github.com/CycloneDX/cyclonedx-python/commit/a1aa609744be72a11eb646344c36bbb5d7668be8>>_)
- Update pythonpackage.yml (``1cb93bf`` <<https://github.com/CycloneDX/cyclonedx-python/commit/1cb93bf550d83e39c71be88bf94a37732d08b168>>_)
- Update pythonpackage.yml (``b9386aa`` <<https://github.com/CycloneDX/cyclonedx-python/commit/b9386aae2e7544c3ab7e7acf0e27ee4bd49e0786>>_)
- Update pythonpackage.yml (``c9dc482`` <<https://github.com/CycloneDX/cyclonedx-python/commit/c9dc4820af8ccb9bcf0bc4831d8eb73765cf3196>>_)
- Update pythonpackage.yml (``3416ee8`` <<https://github.com/CycloneDX/cyclonedx-python/commit/3416ee8e55e8771fe6a2acb0b27824c5928d5585>>_)
- bump (``e84e29f`` <<https://github.com/CycloneDX/cyclonedx-python/commit/e84e29fa421282da542597016548051f42314da8>>_)
- Bump packaging from 19.1 to 19.2

Bumps packaging from 19.1 to 19.2.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'99ad2cb` <<https://github.com/CycloneDX/cyclonedx-python/commit/99ad2cb9c257d1f1b02ddae0cd1933b80282742ed>>`_)

- Fixes requirements (`'79993b7` <<https://github.com/CycloneDX/cyclonedx-python/commit/79993b7a37c1ec0fd6280756d249fe61863a2972>>`_)
- Merge pull request #21 from tngraf/master

Encoding detection added (`'a41d616` <<https://github.com/CycloneDX/cyclonedx-python/commit/a41d6166310a1fb8b3295bc7938b3c28eb62af2>>`_)

- Encoding detection added (`'938374a` <<https://github.com/CycloneDX/cyclonedx-python/commit/938374a6f2ee5541785130bac74f01ce4d72c7df>>`_)
- Merge pull request #18 from TTMaZa/TTMaZa-UTF-8-CLI

Enforced UTF-8 encoding while writing bom.xml (`'b3944a1` <<https://github.com/CycloneDX/cyclonedx-python/commit/b3944a1f0d62e0c68ed52cdf20fec9988a9981b3>>`_)

- Enforced UTF-8 encoding while writing bom.xml (`'2478bf1` <<https://github.com/CycloneDX/cyclonedx-python/commit/2478bf1f180898e2d2bc368d056eaf31168620e2>>`_)
- Merge pull request #17 from CycloneDX/dependabot/pip-packaging-19.1

Bump packaging from 19.0 to 19.1 (`'cd0ff73` <<https://github.com/CycloneDX/cyclonedx-python/commit/cd0ff737e23ff0df3866fb2a241961dd9c96763f>>`_)

- Bump packaging from 19.0 to 19.1

Bumps packaging from 19.0 to 19.1.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'b0a2719` <<https://github.com/CycloneDX/cyclonedx-python/commit/b0a27192a02aa6f9249eeb73429647a5360626bc>>`_)

- Merge pull request #14 from CycloneDX/dependabot/pip-requests-2.22.0

Bump requests from 2.20.1 to 2.22.0 (`'973a89f` <<https://github.com/CycloneDX/cyclonedx-python/commit/973a89fd73e128b762d56d69393438e19a8e3fe5>>`_)

- Bump requests from 2.20.1 to 2.22.0

Bumps requests from 2.20.1 to 2.22.0.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`'ad3169d` <<https://github.com/CycloneDX/cyclonedx-python/commit/ad3169de516b22a316dbc5e655eb4f978a1db3fd>>`_)

- Merge pull request #15 from CycloneDX/dependabot/pip-packageurl-python-0.8.7

Bump packageurl-python from 0.8.1 to 0.8.7 (`'324d6a0` <<https://github.com/CycloneDX/cyclonedx-python/commit/324d6a06941d96bfae5446f57b993f67057804f4>>`_)

- Bump packageurl-python from 0.8.1 to 0.8.7

Bumps packageurl-python from 0.8.1 to 0.8.7.

- Release notes

- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`c47b17e` <<https://github.com/CycloneDX/cyclonedx-python/commit/c47b17e038352b1b224ca4ca2d5c8ccc232db933>>)

- Merge pull request #12 from CycloneDX/dependabot/pip/xmlschema-1.0.14

Bump xmlschema from 1.0.7 to 1.0.14 (`e747f9f` <<https://github.com/CycloneDX/cyclonedx-python/commit/e747f9fd642b4ca62bb1dec408902ed2b5bfec46>>)

- Bump xmlschema from 1.0.7 to 1.0.14

Bumps `xmlschema` from 1.0.7 to 1.0.14.

- Release notes
- Changelog
- Commits

Signed-off-by: dependabot-preview[bot] <support@dependabot.com> (`4159f7b` <<https://github.com/CycloneDX/cyclonedx-python/commit/4159f7bf2ae9c6ce0d17390ea25542583c8dfc12>>)

- Continue with other requirements

Currently the BOM generation breaks when a single requirement does not refer to a specific version. It would be better to continue with the other requirements. (`c633e4f` <<https://github.com/CycloneDX/cyclonedx-python/commit/c633e4ff02adca28d223247242065393832e4abd>>)

- Update `README.rst` (`b4a1dc0` <<https://github.com/CycloneDX/cyclonedx-python/commit/b4a1dc07f2c164d30512f72cb3cc5a798c17c4ee>>)
- version bump. Added xml pretty printing (`83ccb7a` <<https://github.com/CycloneDX/cyclonedx-python/commit/83ccb7a0f4f9d4669eb12b5812ac2509865cac78>>)
- Merge pull request #10 from emnetag/patch-08-19

Handle package versions not found in PyPi (`5d12795` <<https://github.com/CycloneDX/cyclonedx-python/commit/5d12795265e9481c3dce856a6d463e30419019d7>>)

- Handle packages not found in PyPi

If a package version is not found in PyPi, create an entry for that version and print a warning to the console. (`2ffb145` <<https://github.com/CycloneDX/cyclonedx-python/commit/2ffb1451d6a55268cc3e61fe70d3ac20859cff10>>)

- Updating SPDX license list to v3.6 (`51a1727` <<https://github.com/CycloneDX/cyclonedx-python/commit/51a17274d913cc08c1b55014dda6b7151436d321>>)
- Adding release script (`f2a486d` <<https://github.com/CycloneDX/cyclonedx-python/commit/f2a486dbf7ce0e6e065ffd7a18e42cc0fdbdfc48>>)
- Added topics (`7bbc751` <<https://github.com/CycloneDX/cyclonedx-python/commit/7bbc7519d3d72a397117cb12bb8041bd3af9b64e>>)
- version bump (`aa16564` <<https://github.com/CycloneDX/cyclonedx-python/commit/aa16564fc3df4720a62b7e39cc474a8acb9bf5ab>>)
- Updating SPDX license list to v3.5 (`ddb11b7` <<https://github.com/CycloneDX/cyclonedx-python/commit/ddb11b70055f8d10ad21e19ca2fba144bf76cf7b>>)
- Merge pull request #8 from rback123/patch-6

Support PEP 440 concepts like pre, post, and development versions (`20d6c5d` <<https://github.com/CycloneDX/cyclonedx-python/commit/20d6c5d845d5cc2cf59381972ea036f7c7a2cd99>>)

- Support PEP 440 concepts like pre, post, and development versioning schemes. (``4344b9a` <<https://github.com/CycloneDX/cyclonedx-python/commit/4344b9a365af391707463c58052de4a3dca3081b>>`_)
- Merge pull request #5 from msander/patch-2

Add 'requests' requirement to install_requires (``e026932` <<https://github.com/CycloneDX/cyclonedx-python/commit/e02693200188d59b4c3c046a80643094e39ded2f>>`_)

- Merge pull request #1 from jhermann/stdin-as-input

Support -i - (read from stdin) (``e5356ef` <<https://github.com/CycloneDX/cyclonedx-python/commit/e5356ef69757113913216e2e711f640fc0bbb60e>>`_)

- Add 'requests' requirement to install_requires (``625b5a3` <<https://github.com/CycloneDX/cyclonedx-python/commit/625b5a33bf1bdd92399c755cd728b34ed4ea5e2d>>`_)
- main: support '-i -' (read from stdin)

This allows to call...

```
pip freeze | cyclonedx-py -i - ([`e8522a6` (https://github.com/CycloneDX/cyclonedx-python/commit/e8522a679ebd11d151970c26eabf411bd232a881)])
```

- main: output guarded by context (``e634cb8` <<https://github.com/CycloneDX/cyclonedx-python/commit/e634cb876f166e5ccc91d88c1410dc3b3d4f4ea3>>`_)
- setup: set +x flag (``4a1c0d6` <<https://github.com/CycloneDX/cyclonedx-python/commit/4a1c0d6317491226c088971342ae92501bd2bed3>>`_)
- consolidated main (``967ca09` <<https://github.com/CycloneDX/cyclonedx-python/commit/967ca099ecd06e2c4b48d13e143db47b79975628>>`_)
- bump (``273c3fc` <<https://github.com/CycloneDX/cyclonedx-python/commit/273c3fce34bb3837118fbe85b8eb52a6a7c66d28>>`_)
- Moved to cli package. Fixed requirements and setup issues. Fixed issue with req not having a version when parsed. (``4624657` <<https://github.com/CycloneDX/cyclonedx-python/commit/4624657bab30afed78fa09b2c8d98b9c5554c8f3>>`_)
- Removed unneeded requires entry (``c857ba8` <<https://github.com/CycloneDX/cyclonedx-python/commit/c857ba8abfff4be7fe22737663b4386abadc8b3>>`_)
- corrected keywords (``7e39138` <<https://github.com/CycloneDX/cyclonedx-python/commit/7e39138a62d3af7f193405037a782a99c639b22a>>`_)
- corrected dependency name - version bump (``3f2cb11` <<https://github.com/CycloneDX/cyclonedx-python/commit/3f2cb113b3d2db3f5735d5a6df4e8660ddf58226>>`_)
- correcting publish (``635a329` <<https://github.com/CycloneDX/cyclonedx-python/commit/635a32935f351f44de2bde2c9affc5398eea5435>>`_)
- formatting (``2dc1b65` <<https://github.com/CycloneDX/cyclonedx-python/commit/2dc1b65e5623f962dace3462b02a526bb310e4ef>>`_)
- formatting (``fcd2f00` <<https://github.com/CycloneDX/cyclonedx-python/commit/fcd2f00e15156492f6cb8c1c65c138788ccca167>>`_)
- formatting (``fb166d0` <<https://github.com/CycloneDX/cyclonedx-python/commit/fb166d09aa751ab3681325d3c46372bb6bacc7d8>>`_)
- mods (``d584ef6` <<https://github.com/CycloneDX/cyclonedx-python/commit/d584ef61851fb99fcecefbeb7f5b0af2d5927e>>`_)

- mods (``'9a524a2`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/9a524a2ace698e04ce8203744ac0cc7ddf98aaac`)• mods (<code>`'e4e3950`</code> <a href=)
- Added hashes (``'21d0fd0`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/21d0fd02c45a5982b7bacaf37448f57e664002fd`)• Added bom validation after generation (<code>`'273b828`</code> <a href=)
- Added bom validation after generation (``'2d82ac0`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/2d82ac0fb558b28d922d0be62b7c9653fea1d887`)• Added keywords and project url (<code>`'818498a`</code> <a href=)
- Adding Python 3.5 test (``'74807e4`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/74807e4f0a19376d1ae93d661594e74b5fb3f0ab`)• Added bdist_wheel (<code>`'6bf71f7`</code> <a href=)
- removed comment (``'173056e`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/173056e1ad0b6640e29a81b4f1980ab07ef5689b`)• headers (<code>`'128a260`</code> <a href=)
- Updated cli args and readme (``'c02b7b6`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/c02b7b6f8816a36fdeac2cd8e32ae3981540b5ec`)• Initial commit (<code>`'cc233b7`</code> <a href=)
- Initial commit (``'b9e62ba`` [\)](https://github.com/CycloneDX/cyclonedx-python/commit/b9e62bab8e4ec7eac1f81329395b68519bc62bbe`)• Initial commit (<code>`'57bb85f`</code> <a href=)

UPGRADING TO V4

Version 4 is not backwards compatible. Nearly all behaviours and integrations changed. This document covers all breaking changes and should give guidance how to migrate from previous versions.

This document is not a full *change log*, but a migration path.

7.1 Python support

- This tool requires Python 3.8 or later. It is tested with CPython, support for PyPy is best effort.

7.2 Entry points

- Access via deprecated `cyclonedx-bom` was removed. Call `cyclonedx-py` instead.
- Access via `cyclonedx` stayed untouched.
- Access via `python -m cyclonedx_py` stayed untouched.

7.3 Changed Command Line Interface (CLI)

The following describes migration paths only. For a full list of all features and capabilities, as well as additional examples, see the “*usage*” documentation.

7.3.1 Source: Conda

“Conda provides package, dependency, and environment management for **any** language”

—<https://docs.conda.io/en/latest/>

Conda (lock file) analysis was entirely removed for the fact that conda is not dedicated to Python. Yes, conda has some capabilities of managing Python packages and environments, but it does so much more.

However, conda’s Python environments are fully supported now. See the “*usage*” documentation for examples.

Old: `cyclonedx-py -c ...` and `cyclonedx-py -cj ...`

New: It depends. See the “*usage*” documentation for examples.

7.3.2 Source: Environment

The functionality was moved to an own subcommand: `environment`.

Old: `cyclonedx-py -e`

New: `cyclonedx-py environment`

7.3.3 Source: Poetry

The functionality was moved to an own subcommand: `poetry`. It no longer accepts a lockfile as input, but needs a directory instead.

Old: `cyclonedx-py -p -i some/path/poetry.lock`

New: `cyclonedx-py poetry some/path`

7.3.4 Source: Pipenv

The functionality was moved to an own subcommand: `pipenv`. It no longer accepts a lockfile as input, but needs a directory instead.

Old: `cyclonedx-py -pip -i some/path/Pipfile.lock`

New: `cyclonedx-py pipenv some/path`

7.3.5 Source: Requirements

The functionality was moved to an own subcommand: `requirements`.

Old: `cyclonedx-py -r -i some/path/requirements.txt`

New: `cyclonedx-py requirements some/path/requirements.txt`

7.3.6 Input option

The CLI option to determine the input parameters were moved to own subcommand arguments. Therefore all is subcommand-dependant - see the “*usage*” documentation.

7.3.7 Output option: Schema version

The CLI option to determine the desired CycloneDX schema version was moved to own subcommand option `--schema-version`. Its new default value is 1.5 now.

Old: `cyclonedx-py --schema-version 1.2 ...`

New: Example `cyclonedx-py environment --schema-version 1.2 ...`

7.3.8 Output option: Format

The CLI option to determine the desired CycloneDX format was moved to own subcommand option: `--output-format`. Its default value is JSON now.

Old: `cyclonedx-py --output-format json ...`

New: Example `cyclonedx-py environment --output-format JSON ...`

7.3.9 Output option: File

The CLI option to determine the desired output file/target was moved to own subcommand option: `--outfile`. Its default value is `-` now, meaning print to `stdout`.

Old: `cyclonedx-py --output some/path/my_sbom ...`

New: Example `cyclonedx-py environment --outfile some/path/my_sbom ...`

7.3.10 Output verbosity

The CLI was turned to be as non-verbose as possible, per default. It only outputs the resulting SBOM on `stdout`. All other output, like warnings or error messages, is sent to `stderr`.

Additional output can be enabled with the subcommand option `-v`.

Example: `cyclonedx-py environment -v ...`

7.3.11 Enable debug

- The option `-X` was removed. Use subcommand option `-v` two times instead, like so: `-vv`.

Example: `cyclonedx-py environment -vv ...`

7.3.12 BomRefs based on PURL

The option `--purl-bom-ref` was entirely removed.

Per CycloneDX specifications, `bom-ref` values were never intended to shp any meaning, but being linkable. Therefore, `bom-ref` values are arbitrary stings, period.

7.3.13 PURL values

PURL values may be longer now, to shop more meaning. All according to [PackageURL spec](#)

It is a known fact, that some SBOM ingesting tools have issues with PURL values being longer than x characters. You may use the CLI option `--short-PURLs`, which causes information loss in trade-off shorter PURL values.

7.4 Removed API

- All public API was removed. You might call the stable CLI instead, like so:

```
from sys import executable
from subprocess import run
run((executable, '-m', 'cyclonedx_py', '--help'))
```