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# **pan-stix Documentation**

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**Palo Alto Networks**

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**wildfire-to-stix**

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## 1.1 Usage

```
usage: wildfire-to-stix.py [--version] [-t <pan-python tag>] [--verbose]
                        [-h <hash>] [--help] [-i <report filename>]
                        [--no-pcap] [--pcap <pcap source>] [--no-sample]
                        [--sample <sample source>] [-f <output format>]
                        [-o <output filename>]
```

Convert Palo Alto Networks Wildfire reports to STIX/MAEC

optional arguments:

```
--version            show program's version number and exit
-t <pan-python tag>, --tag <pan-python tag>
                    pan-python tag for Wildfire API
--verbose           verbose
-h <hash>, --hash <hash>
                    hash of the sample
--help             help
-i <report filename>, --in <report filename>
                    local Wildfire report
--no-pcap          do not include pcap
--pcap <pcap source> pcap filename or 'network' for retrieving from Wildfire
                    API
--no-sample        do not include sample
--sample <sample source>
                    sample filename or 'network' for retrieving from
                    Wildfire API
-f <output format>, --outfmt <output format>
                    output format
-o <output filename>, --out <output filename>
                    output filename
-e <evidence score>, --evidence <evidence score>
                    minimum evidence score
```





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## panstix.packaging

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This module contains the main entry points for the library.

`panstix.packaging.get_maec_package_from_wfreport (**kwargs)`

Generate a MAEC package from a Wildfire report.

The Wildfire report is retrieved using Wildfire API if *hash* and *tag* keyword arguments are specified, or read from a file passed via *report* keyword argument. *report* can be a filename or a file object.

### Parameters

- **hash** (*str*) – Hash of the sample.
- **tag** (*str*) – pan-python tag used to retrieve the report.
- **report** (*str or file*) – filename of the Wildfire report or a file object.
- **pcap** (*str*) – filename of the pcap file to include or ‘network’ to retrieve the pcap using Wildfire API via *tag*. If *None* pcap is not included in the resulting package.
- **evidence** (*float*) – can be used to retrieve only indicators associated to malicious behaviors with a score higher than this threshold

**Returns** A MAEC Package object with Wildfire report contents.

**Return type** `maec.package.package.Package`

`panstix.packaging.get_stix_il_package_from_wfreport (**kwargs)`

Generate a STIX package with a list of STIX Indicators extracted from a Wildfire report.

The Wildfire report is retrieved using Wildfire API if *hash* and *tag* keyword arguments are specified, or read from a file passed via *report* keyword argument. *report* can be a filename or a file object.

### Parameters

- **hash** (*str*) – Hash of the sample.
- **tag** (*str*) – pan-python tag used to retrieve the report.
- **report** (*str or file*) – filename of the Wildfire report or a file object.
- **evidence** (*float*) – can be used to retrieve only indicators associated to malicious behaviors with a score higher than this threshold

**Returns** A STIX Package object with the list of Indicators extracted from the Wildfire report.

**Return type** `stix.core.STIXPackage`

`panstix.packaging.get_stix_ol_package_from_wfreport (**kwargs)`

Generate a STIX package with a list of CybOX Observables extracted from a Wildfire report.

The Wildfire report is retrieved using Wildfire API if *hash* and *tag* keyword arguments are specified, or read from a file passed via *report* keyword argument. *report* can be a filename or a file object.

**Parameters**

- **hash** (*str*) – Hash of the sample.
- **tag** (*str*) – pan-python tag used to retrieve the report.
- **report** (*str or file*) – filename of the Wildfire report or a file object.
- **evidence** (*float*) – can be used to retrieve only indicators associated to malicious behaviors with a score higher than this threshold

**Returns** A STIX Package object with the list of Observables extracted from the Wildfire report.

**Return type** `stix.core.STIXPackage`

`panstix.packaging.get_stix_package_from_wfireport (**kwargs)`

Generate a STIX package from a Wildfire report.

The Wildfire report is retrieved using Wildfire API if *hash* and *tag* keyword arguments are specified, or read from a file passed via *report* keyword argument. *report* can be a filename or a file object.

**Parameters**

- **hash** (*str*) – Hash of the sample.
- **tag** (*str*) – pan-python tag used to retrieve the report.
- **report** (*str or file*) – filename of the Wildfire report or a file object.
- **pcap** (*str*) – filename of the pcap file to include or ‘network’ to retrieve the pcap using Wildfire API via *tag*. If *None* pcap is not included in the resulting package.
- **sample** (*str*) – filename of the sample file to include or ‘network’ to retrieve the sample using Wildfire API via *tag*. If *None* sample is not included in the resulting package.
- **evidence** (*float*) – can be used to retrieve only indicators associated to malicious behaviors with a score higher than this threshold

**Returns** A STIX Package object with Wildfire report contents.

**Return type** `stix.core.Package`

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**License**

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