

# Security Considerations

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) security\_warnings.rst, line 3)

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```
.. index:: single: security considerations
```

The following modules have specific security considerations:

- `mod:`base64``: `ref:`base64 security considerations <base64-security>`` in [RFC 4648](#)

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) security\_warnings.rst, line 10); [backlink](#)

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**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) security\_warnings.rst, line 10); [backlink](#)

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- `mod:`cgi``: `ref:`CGI security considerations <cgi-security>``

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- `mod:`hashlib``: `ref:`all constructors take a "usedforsecurity" keyword-only argument disabling known insecure and blocked algorithms <hashlib-usedforsecurity>``

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- `mod:`http.server`` is not suitable for production use, only implementing basic security checks

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- `mod:`logging``: `ref:`Logging configuration uses eval() <logging-eval-security>``

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(library) security\_warnings.rst, line 18); [backlink](#)

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(library) security\_warnings.rst, line 18); [backlink](#)

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- `:mod:`multiprocessing``: `:ref:`Connection.recv()` uses pickle <multiprocessing-recv-pickle-security>

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(library) security\_warnings.rst, line 20); [backlink](#)

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(library) security\_warnings.rst, line 20); [backlink](#)

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- `:mod:`pickle``: `:ref:`Restricting globals in pickle`` <pickle-restrict>

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(library) security\_warnings.rst, line 22); [backlink](#)

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(library) security\_warnings.rst, line 22); [backlink](#)

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- `:mod:`random`` shouldn't be used for security purposes, use `:mod:`secrets`` instead

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(library) security\_warnings.rst, line 23); [backlink](#)

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(library) security\_warnings.rst, line 23); [backlink](#)

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- `:mod:`shelve``: `:ref:`shelve`` is based on pickle and thus unsuitable for dealing with untrusted sources <shelve-security>

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(library) security\_warnings.rst, line 25); [backlink](#)

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(library) security\_warnings.rst, line 25); [backlink](#)

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- `mod:'ssl': ref:'SSL/TLS security considerations <ssl-security>'`

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- `mod:'subprocess': ref:'Subprocess security considerations <subprocess-security>'`

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- `mod:'tempfile': ref:'mktemp is deprecated due to vulnerability to race conditions <tempfile-mktemp-deprecated>'`

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**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) security\_warnings.rst, line 30); [backlink](#)

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- `mod:'xml': ref:'XML vulnerabilities <xml-vulnerabilities>'`

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- `mod:'zipfile': ref:'maliciously prepared .zip files can cause disk volume exhaustion <zipfile-resources-limitations>'`

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