Security Considerations

The following modules have specific security considerations:

- :mod:`base64`: :ref:`base64 security considerations <base64-security>` in RFC 4648

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

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

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

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

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

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

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

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

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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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- :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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