

:mod:`netrc` --- netrc file processing

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 2); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 5)

Unknown directive type "module".

```
.. module:: netrc
   :synopsis: Loading of .netrc files.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 8)

Unknown directive type "moduleauthor".

```
.. moduleauthor:: Eric S. Raymond <esr@snark.thyrsus.com>
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 9)

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Eric S. Raymond <esr@snark.thyrsus.com>
```

Source code: `:source:`Lib/netrc.py``

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Unknown interpreted text role "source".

The `:class:`~netrc.netrc`` class parses and encapsulates the netrc file format used by the Unix `:program`ftp`` program and other FTP clients.

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Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 15); [backlink](#)

Unknown interpreted text role "program".

A `:class:`~netrc.netrc`` instance or subclass instance encapsulates data from a netrc file. The initialization argument, if present, specifies the file to parse. If no argument is given, the file `:file:`.netrc`` in the user's home directory -- as determined by `:func:`os.path.expanduser`` -- will be read. Otherwise, a `:exc:`FileNotFoundError`` exception will be raised. Parse errors will raise `:exc:`NetrcParseError`` with diagnostic information including the file name, line number, and terminating token. If no argument is specified on a POSIX system, the presence of passwords in the `:file:`.netrc`` file will raise a `:exc:`NetrcParseError`` if the file ownership or permissions are insecure (owned by a user other than the user running the process, or accessible for read or write by any other user). This implements security behavior equivalent to that of `ftp` and other programs that use `:file:`.netrc``.

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Unknown interpreted text role "class".

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Unknown interpreted text role "file".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 21); [backlink](#)

Unknown interpreted text role "func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 21); [backlink](#)

Unknown interpreted text role "exc".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 21); [backlink](#)

Unknown interpreted text role "exc".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 21); [backlink](#)

Unknown interpreted text role "file".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 21); [backlink](#)

Unknown interpreted text role "exc".

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Unknown interpreted text role "file".

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Unknown directive type "versionchanged".

```
.. versionchanged:: 3.4 Added the POSIX permission check.
```

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Unknown directive type "versionchanged".

```
.. versionchanged:: 3.7
   :func:`os.path.expanduser` is used to find the location of the
   :file:`.netrc` file when *file* is not passed as argument.
```

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Unknown directive type "versionchanged".

```
.. versionchanged:: 3.10
   :class:`netrc` try UTF-8 encoding before using locale specific
   encoding.
   The entry in the netrc file no longer needs to contain all tokens. The missing
   tokens' value default to an empty string. All the tokens and their values now
   can contain arbitrary characters, like whitespace and non-ASCII characters.
   If the login name is anonymous, it won't trigger the security check.
```

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main\Doc\library\[cpython-main] [Doc] [library]netrc.rst, line 50)

Unknown directive type "exception".

```
.. exception:: NetrcParseError
```

Exception raised by the :class:`~netrc.netrc` class when syntactical errors are encountered in source text. Instances of this exception provide three interesting attributes: :attr:`msg` is a textual explanation of the error, :attr:`filename` is the name of the source file, and :attr:`lineno` gives the line number on which the error was found.

netrc Objects

A :class:`~netrc.netrc` instance has the following methods:

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Unknown interpreted text role "class".

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Unknown directive type "method".

```
.. method:: netrc.authenticators(host)
```

Return a 3-tuple ``(login, account, password)`` of authenticators for *host*. If the netrc file did not contain an entry for the given host, return the tuple associated with the 'default' entry. If neither matching host nor default entry is available, return ``None``.

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Unknown directive type "method".

```
.. method:: netrc.__repr__()
```

Dump the class data as a string in the format of a netrc file. (This discards comments and may reorder the entries.)

Instances of :class:`~netrc.netrc` have public instance variables:

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Unknown interpreted text role "class".

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Unknown directive type "attribute".

```
.. attribute:: netrc.hosts
```

Dictionary mapping host names to ``(login, account, password)`` tuples. The 'default' entry, if any, is represented as a pseudo-host by that name.

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Unknown directive type "attribute".

```
.. attribute:: netrc.macros
```

Dictionary mapping macro names to string lists.