

:mod:`pwd` --- The password database

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)pwd.rst, line 1); [backlink](#)

Unknown interpreted text role "mod".

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Unknown directive type "module".

```
.. module:: pwd
   :platform: Unix
   :synopsis: The password database (getpwnam() and friends).
```

This module provides access to the Unix user account and password database. It is available on all Unix versions.

Password database entries are reported as a tuple-like object, whose attributes correspond to the members of the `passwd` structure (Attribute field below, see `<pwd.h>`):

Index	Attribute	Meaning
0	<code>pw_name</code>	Login name
1	<code>pw_passwd</code>	Optional encrypted password
2	<code>pw_uid</code>	Numerical user ID
3	<code>pw_gid</code>	Numerical group ID
4	<code>pw_gecos</code>	User name or comment field
5	<code>pw_dir</code>	User home directory
6	<code>pw_shell</code>	User command interpreter

The uid and gid items are integers, all others are strings. `:exc:`KeyError`` is raised if the entry asked for cannot be found.

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Unknown interpreted text role "exc".

Note

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Unknown directive type "index".

```
.. index:: module: crypt
```

In traditional Unix the field `pw_passwd` usually contains a password encrypted with a DES derived algorithm (see module `:mod:`crypt``). However most modern unices use a so-called *shadow password* system. On those unices the `pw_passwd` field only contains an asterisk (`'*'`) or the letter `'x'` where the encrypted password is stored in a file `:file:`/etc/shadow`` which is not world readable. Whether the `pw_passwd` field contains anything useful is system-dependent. If available, the `:mod:`spwd`` module should be used where access to the encrypted password is required.

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Unknown interpreted text role "mod".

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Unknown interpreted text role "file".

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Unknown interpreted text role "mod".

It defines the following items:

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Unknown directive type "function".

```
.. function:: getpwuid(uid)
```

Return the password database entry for the given numeric user ID.

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Unknown directive type "function".

```
.. function:: getpwnam(name)
```

Return the password database entry for the given user name.

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Unknown directive type "function".

```
.. function:: getpwall()
```

Return a list of all available password database entries, in arbitrary order.

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Unknown directive type "seealso".

```
.. seealso::
```

```
Module :mod:`grp`  
    An interface to the group database, similar to this.
```

```
Module :mod:`spwd`  
    An interface to the shadow password database, similar to this.
```