

:mod:`spwd` --- The shadow password database

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

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) spwd.rst, line 4)

Unknown directive type "module".

```
.. module:: spwd
   :platform: Unix
   :synopsis: The shadow password database (getspnam() and friends).
   :deprecated:
```

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

Unknown directive type "deprecated".

```
.. deprecated:: 3.11
   The :mod:`spwd` module is deprecated (see :pep:`594` for details).
```

This module provides access to the Unix shadow password database. It is available on various Unix versions.

You must have enough privileges to access the shadow password database (this usually means you have to be root).

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

Index	Attribute	Meaning
0	<code>sp_namp</code>	Login name
1	<code>sp_pwdp</code>	Encrypted password
2	<code>sp_lstchg</code>	Date of last change
3	<code>sp_min</code>	Minimal number of days between changes
4	<code>sp_max</code>	Maximum number of days between changes
5	<code>sp_warn</code>	Number of days before password expires to warn user about it
6	<code>sp_inact</code>	Number of days after password expires until account is disabled
7	<code>sp_expire</code>	Number of days since 1970-01-01 when account expires
8	<code>sp_flag</code>	Reserved

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) spwd.rst, line 52); [backlink](#)

Unknown interpreted text role "exc".

The following functions are defined:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) spwd.rst, line 58)

Unknown directive type "function".

```
.. function:: getspnam(name)

   Return the shadow password database entry for the given user name.

.. versionchanged:: 3.6
   Raises a :exc:`PermissionError` instead of :exc:`KeyError` if the user
   doesn't have privileges.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) spwd.rst, line 66)

Unknown directive type "function".

```
.. function:: getspall()
```

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) spwd.rst, line 72)

Unknown directive type "seealso".

```
.. seealso::
```

```
Module :mod:`grp`
```

An interface to the group database, similar to this.

```
Module :mod:`pwd`
```

An interface to the normal password database, similar to this.