

**NAME**

openssl-passwd, passwd – compute password hashes

**SYNOPSIS**

```
openssl passwd [-help] [-crypt] [-1] [-apr1] [-aixmd5] [-5] [-6] [-salt string] [-in file] [-stdin]
[-noverify] [-quiet] [-table] [-rand file...] [-writerand file] {password}
```

**DESCRIPTION**

The **passwd** command computes the hash of a password typed at run-time or the hash of each password in a list. The password list is taken from the named file for option **-in file**, from stdin for option **-stdin**, or from the command line, or from the terminal otherwise. The Unix standard algorithm **crypt** and the MD5-based BSD password algorithm **1**, its Apache variant **apr1**, and its AIX variant are available.

**OPTIONS****-help**

Print out a usage message.

**-crypt**

Use the **crypt** algorithm (default).

**-1** Use the MD5 based BSD password algorithm **1**.

**-apr1**

Use the **apr1** algorithm (Apache variant of the BSD algorithm).

**-aixmd5**

Use the **AIX MD5** algorithm (AIX variant of the BSD algorithm).

**-5**

**-6** Use the **SHA256** / **SHA512** based algorithms defined by Ulrich Drepper. See <https://www.akkadia.org/drepper/SHA-crypt.txt>.

**-salt *string***

Use the specified salt. When reading a password from the terminal, this implies **-noverify**.

**-in *file***

Read passwords from *file*.

**-stdin**

Read passwords from **stdin**.

**-noverify**

Don't verify when reading a password from the terminal.

**-quiet**

Don't output warnings when passwords given at the command line are truncated.

**-table**

In the output list, prepend the cleartext password and a TAB character to each password hash.

**-rand *file...***

A file or files containing random data used to seed the random number generator. Multiple files can be specified separated by an OS-dependent character. The separator is **;** for MS-Windows, **,** for OpenVMS, and **:** for all others.

**[-writerand *file*]**

Writes random data to the specified *file* upon exit. This can be used with a subsequent **-rand** flag.

**EXAMPLES**

```
% openssl passwd -crypt -salt xx password
xxj31ZMTZzkVA

% openssl passwd -1 -salt xxxxxxxx password
$1$xxxxxxx$UYCIxa628.9qXjpQCjM4a.
```

```
% openssl passwd -apr1 -salt xxxxxxxx password
$apr1$xxxxxxxx$dxHfLAsjHkDRmG83UXe8K0
```

```
% openssl passwd -aixmd5 -salt xxxxxxxx password
xxxxxxxx$8Oaipk/GPKhC64w/YVeFD/
```

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