

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.

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-W indows, **,** 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
$1$xxxxxxxx$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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