

**NAME**

openssl-passwd - compute password hashes

**SYNOPSIS**

**openssl passwd** [**-help**] [**-1**] [**-apr1**] [**-aixmd5**] [**-5**] [**-6**] [**-salt** *string*] [**-in** *file*] [**-stdin**] [**-noverify**] [**-quiet**] [**-table**] [**-reverse**] [**-rand** *files*] [**-writerand** *file*] [**-provider** *name*] [**-provider-path** *path*] [**-propquery** *propq*] [*password*]

**DESCRIPTION**

This 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**, from stdin for option **-stdin**, or from the command line, or from the terminal otherwise.

**OPTIONS****-help**

Print out a usage message.

**-1** Use the MD5 based BSD password algorithm **1** (default).

**-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.

**-reverse**

When the **-table** option is used, reverse the order of cleartext and hash.

**-rand files, -writerand file**

See "Random State Options" in **openssl(1)** for details.

**-provider name****-provider-path path****-propquery propq**

See "Provider Options" in **openssl(1)**, **provider(7)**, and **property(7)**.

**EXAMPLES**

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

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

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

**HISTORY**

The **-crypt** option was removed in OpenSSL 3.0.

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