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
    1xxxxxxxx$UYCIxa628.9qXjpQCjM4a.

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

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

HISTORY

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

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