

NAME

passwd, **yppasswd** - modify a user's password

SYNOPSIS

passwd [-l] [*user*]

yppasswd [-l] [-y] [-d *domain*] [-h *host*] [-o]

DESCRIPTION

The **passwd** utility changes the user's local, Kerberos, or NIS password. If the user is not the super-user, **passwd** first prompts for the current password and will not continue unless the correct password is entered.

When entering the new password, the characters entered do not echo, in order to avoid the password being seen by a passer-by. The **passwd** utility prompts for the new password twice in order to detect typing errors.

The total length of the password must be less than `_PASSWORD_LEN` (currently 128 characters).

Once the password has been verified, **passwd** communicates the new password information to the Kerberos authenticating host.

The following option is available:

- l** Cause the password to be updated only in the local password file, and not with the Kerberos database. When changing only the local password, `pwd_mkdb(8)` is used to update the password databases.

When changing local or NIS password, the next password change date is set according to "passwordtime" capability in the user's login class.

To change another user's Kerberos password, one must first run `kinit(1)` followed by **passwd**. The super-user is not required to provide a user's current password if only the local password is modified.

NIS INTERACTION

The **passwd** utility has built-in support for NIS. If a user exists in the NIS password database but does not exist locally, **passwd** automatically switches into **yppasswd** mode. If the specified user does not exist in either the local password database or the NIS password maps, **passwd** returns an error.

When changing an NIS password, unprivileged users are required to provide their old password for authentication (the `rpc.yppasswdd(8)` daemon requires the original password before it will allow any

changes to the NIS password maps). This restriction applies even to the super-user, with one important exception: the password authentication is bypassed for the super-user on the NIS master server. This means that the super-user on the NIS master server can make unrestricted changes to anyone's NIS password. The super-user on NIS client systems and NIS slave servers still needs to provide a password before the update will be processed.

The following additional options are supported for use with NIS:

- y** Override **passwd**'s checking heuristics and forces it into NIS mode.
- l** When NIS is enabled, the **-l** flag can be used to force **passwd** into "local only" mode. This flag can be used to change the entry for a local user when an NIS user exists with the same login name. For example, you will sometimes find entries for system "placeholder" users such as *bin* or *daemon* in both the NIS password maps and the local user database. By default, **passwd** will try to change the NIS password. The **-l** flag can be used to change the local password instead.
- d domain**
Specify what domain to use when changing an NIS password. By default, **passwd** assumes that the system default domain should be used. This flag is primarily for use by the superuser on the NIS master server: a single NIS server can support multiple domains. It is also possible that the domainname on the NIS master may not be set (it is not necessary for an NIS server to also be a client) in which case the **passwd** command needs to be told what domain to operate on.
- h host**
Specify the name of an NIS server. This option, in conjunction with the **-d** option, can be used to change an NIS password on a non-local NIS server. When a domain is specified with the **-d** option and **passwd** is unable to determine the name of the NIS master server (possibly because the local domainname is not set), the name of the NIS master is assumed to be "localhost". This can be overridden with the **-h** flag. The specified hostname need not be the name of an NIS master: the name of the NIS master for a given map can be determined by querying any NIS server (master or slave) in a domain, so specifying the name of a slave server will work equally well.
- o** Do not automatically override the password authentication checks for the super-user on the NIS master server; assume "old" mode instead. This flag is of limited practical use but is useful for testing.

FILES

/etc/master.passwd the user database
/etc/passwd a Version 7 format password file

/etc/passwd.XXXXXX

temporary copy of the password file

/etc/login.conf

login class capabilities database

SEE ALSO

chpass(1), kinit(1), login(1), login.conf(5), passwd(5), kerberos(8), kpasswdd(8), pam_passwdqc(8), pw(8), pwd_mkdb(8), vipw(8)

Robert Morris and Ken Thompson, *UNIX password security*.

NOTES

The **yppasswd** command is really only a link to **passwd**.

HISTORY

A **passwd** command appeared in Version 6 AT&T UNIX.