

Zabrana korištenja stare zaporke



Naši korisnici uvijek traže što jednostavnije načine upotrebe resursa koji su im dodijeljeni, ne vole učiti i ne žele pamtititi previše stvari. Tako ne vole ni mijenjati zaporku (Čemu, kad je i stara zaporka dobra?). Vaš poslužitelj, iz sigurnosnih razloga, možete podesiti tako da korisniku nakon nekoliko mjeseci istekne zaporka, pa ga sustav prisiljava da je promjeni, ali korisnici kao korisnici, najčešće opet utipkaju staru zaporku.

No, postoji način kako onemogućiti recikliranje starih zaporki. Da bi korisnika prisilili da prilikom izmjene zaporka odabere posve novu zaporku, na sistemu moramo napraviti nekoliko jednostavnih izmjena u "pam" (Pluggable Authentication Modules) konfiguraciji za autentikaciju.

Prvi korak je instalacija "cracklib" modula koji se koristi za provjeru i usporedbu jakosti odabrane zaporkе.

```
# apt-get update
# apt-get upgrade
# apt-get install libpam-cracklib
```

```
debian: /etc/pam.d
7638D0442B90D010
W: There is no public key available for the following key IDs:
7638D0442B90D010
W: There is no public key available for the following key IDs:
9D6D8F6BC857C906
root@debian: /etc/pam.d# apt-get install libpam-cracklib
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  cracklib-runtime libcrack2
The following NEW packages will be installed:
  cracklib-runtime libcrack2 libpam-cracklib
0 upgraded, 3 newly installed, 0 to remove and 165 not upgraded.
Need to get 327 kB of archives.
After this operation, 1,245 kB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://ftp.hr.debian.org/debian/ wheezy/main libcrack2 i386 2.8.19-3 [59.9 kB]
Get:2 http://ftp.hr.debian.org/debian/ wheezy/main cracklib-runtime i386 2.8.19-3 [184 kB]
Get:3 http://ftp.hr.debian.org/debian/ wheezy/main libpam-cracklib i386 1.1.3-7.1 [83.7 kB]
Fetched 327 kB in 0s (1,892 kB/s)
Selecting previously unselected package libcrack2.
(Reading database ... 69596 files and directories currently installed.)
Unpacking libcrack2 (from .../libcrack2_2.8.19-3_i386.deb) ...
```

redak:

```
password [success=1 default=ignore] pam_unix.so obscure use_authtok try_first_pass s
ha512:
```

```

IW common-password (Modified) Row 26 Col 44 8:24 Ctrl-K H for help
# login.defs.
#
# See the pam_unix manpage for other options.

# As of pam 1.0.1-6, this file is managed by pam-auth-update by default.
# To take advantage of this, it is recommended that you configure any
# local modules either before or after the default block, and use
# pam-auth-update to manage selection of other modules. See
# pam-auth-update(8) for details.
# here are the per-package modules (the "Primary" block)
password requisite pam_cracklib.so retry=3 minlen=8 difok=3
password [success=1 default=ignore] pam_unix.so obscure use_authtok try_first_pass sha512
# here's the fallback if no module succeeds
password requisite pam_deny.so
# prime the stack with a positive return value if there isn't one already;
# this avoids us returning an error just because nothing sets a success code
# since the modules above will each just jump around
password required pam_permit.so

# and here are more per-package modules (the "Additional" block)
# end of pam-auth-update config
    
```

- **obscure** - uklju?uje dodatne provjere jakosti zaporke
- **use_authtok**
 - prisiljava modul da ne traži od korisnika novu zaporku, nego trenutnu
- **try_first_pass**
 - korisnik se prva zaporke za sve module, u slu?aju da prva zaporke nije valjanja traži se nova
- **sha512** - enkripcija

Na sam kraj linije, to?nije iza enkripcije sha512, dodamo "**remember=broj**" gdje broj ozna?ava koliko dugo ?elimo ?uvati stare zaporke.

Ako upišemo primjerice broj 2, sistem će ?uvati zadnje dvije zaporke i neće dopustiti da se one ponove, ako upišemo 5 ?uva zadnjih pet zaporke i tako dalje. Ovaj "povijesni" dio nalazi se u /etc/**osshadow** datoteci.

```
password [success=1 default=ignore] pam_unix.so obscure use_authtok try_first_pass sha512 remember=2
```

```

IW common-password Row 26 Col 1 8:26 Ctrl-K H for help
#
# See the pam_unix manpage for other options.

# As of pam 1.0.1-6, this file is managed by pam-auth-update by default.
# To take advantage of this, it is recommended that you configure any
# local modules either before or after the default block, and use
# pam-auth-update to manage selection of other modules. See
# pam-auth-update(8) for details.
# here are the per-package modules (the "Primary" block)
password requisite pam_cracklib.so retry=3 minlen=8 difok=3
password [success=1 default=ignore] pam_unix.so obscure use_authtok try_first_pass sha512 remember=2
# here's the fallback if no module succeeds
password requisite pam_deny.so
# prime the stack with a positive return value if there isn't one already;
# this avoids us returning an error just because nothing sets a success code
# since the modules above will each just jump around
password required pam_permit.so

# and here are more per-package modules (the "Additional" block)
# end of pam-auth-update config
    
```



Kao što se vidi iz primjera prilikom izmjene zaporke i pokušaja upisa iste kojom smo se prijavili dobijemo obavijest da je zaporka već bila korištena te da se odabere nova.

Ono što bi još trebalo postaviti je minimalna duljina zaporke. Ponovo editirajmo datoteku `/etc/pam/common-password` i pronađimo liniju `passwd`.

Tu upišemo "`minlen=8`", što govori da je minimalna duljina zaporke 8 znakova:

```
password requisite pam_cracklib.so retry=3 minlen=8
```

Još jedan primjer je prisiljavanje korisnika da prilikom promjene zaporke mora upisati minimalno 3 broja (da nisu svi znakovi slova):

```
password requisite pam_cracklib.so retry=3 minlen=8 dcredit=-2
```

dcredit - prisiljava unos brojeva

Naravno da možete uključiti i neke druge uvjete, poput uporabe velikih i malih slova te ostalih znakova.

U gornjoj liniji samo još dodajte:

ucredit=N - za unos velikih slova N - zeljeni broj

lcredit=N - za unos malih slova N - zeljeni broj

ocredit=N - za unos ostalih znakova

pet, 2016-04-15 09:13 - Zdravko Rašić **Kuharice:** [Linux](#) [1]

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