Beyond Linux® From Scratch (systemd Edition) - Version 12.1		
Chapter 4. Security		
	/	
libcap-2.69 with PAM	liboauth-1.0.3	

Linux-PAM-1.6.0

Linux PAM

Linux PAM

(PAM: Pluggable Authentication Modules) .
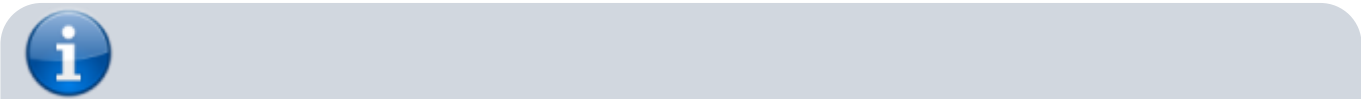
LFS 12.1 .

- : [Linux-PAM-1.6.0.tar.xz](#)
- MD5: 41a10af5fc35a7be472ae9864338e64a
- : 1.0 MB
- : 39 MB ( )
- : 0.4 SBU ( )

- : [Linux-PAM-1.6.0-docs.tar.xz](#)
- **MD5**: db41b71435df078658b3db1f57bb2a49
- : 456 KB

Linux PAM

- [libnsl-2.0.1](#)
- [libtirpc-1.3.4](#)
- [rpcsvc-proto-1.4.4](#)
- [Berkeley DB](#) Deprecated
- [libaudit](#)
- [libeconf](#)
- [Prelude](#)

> Linux PAM   Shadow-4.14.5   Systemd-255
>   .
>
> Linux-PAM-1.4.0   pam_cracklib   .
>   libpwquality-1.4.5   .

Linux PAM

.

```
tar -xf ../Linux-PAM-1.6.0-docs.tar.xz --strip-components=1
```

.

```
./configure --prefix=/usr                          \
            --sbindir=/usr/sbin                     \
            --sysconfdir=/etc                       \
            --libdir=/usr/lib                       \
            --enable-securedir=/usr/lib/security \
            --docdir=/usr/share/doc/Linux-PAM-1.6.0 &&
make
```

            /etc/pam.d/other   .

> **Linux PAM**
> Linux PAM   /etc/pam.d
>   .
>   /etc/pam.d/other   .
>   .
>
>   **make install**   /etc/security   /etc/environment
>   .   .

          root   .

```
install -v -m755 -d /etc/pam.d &&

cat > /etc/pam.d/other << "EOF"
auth      required        pam_deny.so
```

```
account   required          pam_deny.so
password required          pam_deny.so
session   required          pam_deny.so
EOF
```

make check   .
                    .   .
                .

                 root   .

```
rm -fv /etc/pam.d/other
```

   root

```
make install &&
chmod -v 4755 /usr/sbin/unix_chkpwd
```

- *–enable-securedir=/usr/lib/security*:
  PAM   .
- **chmod -v 4755 /usr/sbin/unix_chkpwd**:

                                                      unix_chkpwd
     setuid   .

Linux-PAM

/etc/security/*, /etc/pam.d/*

          /etc/pam.d/   .   .

```
# Begin /etc/pam.d/other

auth            required         pam_unix.so        nullok
account         required         pam_unix.so
session         required         pam_unix.so
```

```
password         required         pam_unix.so       nullok


# End /etc/pam.d/other
```

      root   .

```
install -vdm755 /etc/pam.d &&
cat > /etc/pam.d/system-account << "EOF" &&
# Begin /etc/pam.d/system-account

account    required    pam_unix.so

# End /etc/pam.d/system-account
EOF

cat > /etc/pam.d/system-auth << "EOF" &&
# Begin /etc/pam.d/system-auth

auth       required    pam_unix.so

# End /etc/pam.d/system-auth
EOF

cat > /etc/pam.d/system-session << "EOF" &&
# Begin /etc/pam.d/system-session

session    required    pam_unix.so

# End /etc/pam.d/system-session
EOF

cat > /etc/pam.d/system-password << "EOF"
# Begin /etc/pam.d/system-password

# use yescrypt hash for encryption, use shadow, and try to use any
# previously defined authentication token (chosen password) set by any
# prior module.
password  required    pam_unix.so        yescrypt shadow try_first_pass

# End /etc/pam.d/system-password
EOF
```

[libpwquality-1.4.5](#)

                            pam_pwquality PAM   .

                   /etc/pam.d/other   .
                                          PAM   .

```
cat > /etc/pam.d/other << "EOF"
# Begin /etc/pam.d/other

auth         required        pam_warn.so
auth         required        pam_deny.so
account      required        pam_warn.so
account      required        pam_deny.so
password     required        pam_warn.so
password     required        pam_deny.so
session      required        pam_warn.so
session      required        pam_deny.so

# End /etc/pam.d/other
EOF
```

PAM   (**man pam**)
.   Linux-PAM   .

Shadow-4.14.5   Systemd-255   .

-
  faillock, mkhomedir_helper, pam_namespace_helper, pam_timestamp_check, pwhistory_helper,
  unix_chkpwd   unix_update
-
  libpam.so, libpamc.so, libpam_misc.so
-
  /etc/security, /usr/lib/security, /usr/include/security   /usr/share/doc/Linux-PAM-1.6.0

- **faillock**

- **mkhomedir_helper**

- **pam_namespace_helper**

- **pwhistory_helper**
             passwd   shadow   opasswd   .
- **pam_timestamp_check**

- **unix_chkpwd**

- **unix_update**

.

- libpam.so

PAM   .

From:
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Permanent link:
https://gamu.kr/dokuwiki/beyondlinuxfromscratch/installedpackages/linux-pam-1.6.0

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