



### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'pam\_exec.8'***

**\$ man pam\_exec.8**

PAM\_EXEC(8)                      Linux-PAM Manual                      PAM\_EXEC(8)

#### NAME

pam\_exec - PAM module which calls an external command

#### SYNOPSIS

pam\_exec.so [debug] [expose\_authtok] [seteuid] [quiet] [stdout]  
[log=file] [type=type] command [...]

#### DESCRIPTION

pam\_exec is a PAM module that can be used to run an external command.

The child's environment is set to the current PAM environment list, as returned by pam\_getenvlist(3). In addition, the following PAM items are exported as environment variables: PAM\_RHOST, PAM\_RUSER, PAM\_SERVICE, PAM\_TTY, PAM\_USER and PAM\_TYPE, which contains one of the module types: account, auth, password, open\_session and close\_session.

Commands called by pam\_exec need to be aware of that the user can have control over the environment.

#### OPTIONS

debug

Print debug information.

#### expose\_authtok

During authentication the calling command can read the password from stdin(3). Only first PAM\_MAX\_RESP\_SIZE bytes of a password are provided to the command.

#### log=file

The output of the command is appended to file

#### type=type

Only run the command if the module type matches the given type.

#### stdout

Per default the output of the executed command is written to /dev/null. With this option, the stdout output of the executed command is redirected to the calling application. It's in the responsibility of this application what happens with the output.

The log option is ignored.

#### quiet

Per default pam\_exec.so will echo the exit status of the external command if it fails. Specifying this option will suppress the message.

#### seteuid

Per default pam\_exec.so will execute the external command with the real user ID of the calling process. Specifying this option means the command is run with the effective user ID.

### MODULE TYPES PROVIDED

All module types (auth, account, password and session) are provided.

### RETURN VALUES

#### PAM\_SUCCESS

The external command was run successfully.

#### PAM\_BUF\_ERR

Memory buffer error.

#### PAM\_CONV\_ERR

The conversation method supplied by the application failed to obtain the username.

#### PAM\_INCOMPLETE

The conversation method supplied by the application returned

PAM\_CONV\_AGAIN.

PAM\_SERVICE\_ERR

No argument or a wrong number of arguments were given.

PAM\_SYSTEM\_ERR

A system error occurred or the command to execute failed.

PAM\_IGNORE

pam\_setcred was called, which does not execute the command. Or, the

value given for the type= parameter did not match the module type.

## EXAMPLES

Add the following line to /etc/pam.d/passwd to rebuild the NIS database after each local password change:

```
password optional pam_exec.so seteuid /usr/bin/make -C /var/yp
```

This will execute the command

```
make -C /var/yp
```

with effective user ID.

## SEE ALSO

pam.conf(5), pam.d(5), pam(8)

## AUTHOR

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