

## NAME

capability.conf - configuration file for the pam\_cap module

## DESCRIPTION

Each line of the file consists of two fields; the fields define:

### <capability-list>

One or more comma-separated capabilities, specified as either the textual capability name, or numeric capability value. Text name(s) and numeric value(s) may be intermixed.

The special capability name **all** may be used to enable all capabilities known to the local system.

The special capability name **none** may be used to disable all current inheritable capabilities.

**NOTE:** No whitespace is permitted between the values. The names all and none may not be combined with any other capabilities.

### <username>

One or more whitespace-separated usernames, or the wildcard **\***.

**NOTE:** The first matching entry is used. Thus, only a single matching username entry, and/or a single wildcard entry, may be used. A matching username entry must *precede* the wildcard entry in order to be effective.

**IMPORTANT:** <capability-list> *replaces* the current process' inherited capabilities; i.e. there is no provision for adding/subtracting from the current set. In most environments, the inheritable set of the process performing user authentication is 0 (empty).

If any capability name or numeric value is invalid/unknown to the local system, the capabilities will be rejected, and the inheritable set will **not** be modified.

## EXAMPLES

These are some example lines which might be specified in /etc/security/capability.conf.

```
# Simple
cap_sys_ptrace developer
cap_net_raw user1

# Multiple capabilities
cap_net_admin,cap_net_raw jrnetadmin
# Identical, but with numeric values
12,13 jrnetadmin

# Combining names and numerics
cap_sys_admin,22,25 jrsysadmin

# Next line has no effect; user1 already matched above
5,12,13 user1

# Insure any potential capabilities from calling process are dropped
none luser1 luser2

# Allow anyone to manipulate capabilities
# Will NOT apply to users matched above !
cap_setpcap *
```

## SEE ALSO

[pam\\_cap\(8\)](#), [pam.d\(5\)](#), [pam\(7\)](#), [capabilities\(7\)](#)

**AUTHOR**

pam\_cap was initially written by Andrew G. Morgan <morgan@kernel.org>