

NAME

pam_succeed_if - test account characteristics

SYNOPSIS

pam_succeed_if.so [*flag...*] [*condition...*]

DESCRIPTION

pam_succeed_if.so is designed to succeed or fail authentication based on characteristics of the account belonging to the user being authenticated or values of other PAM items. One use is to select whether to load other modules based on this test.

The module should be given one or more conditions as module arguments, and authentication will succeed only if all of the conditions are met.

OPTIONS

The following *flags* are supported:

debug

Turns on debugging messages sent to syslog.

use_uid

Evaluate conditions using the account of the user whose UID the application is running under instead of the user being authenticated.

quiet

Don't log failure or success to the system log.

quiet_fail

Don't log failure to the system log.

quiet_success

Don't log success to the system log.

audit

Log unknown users to the system log.

Conditions are three words: a field, a test, and a value to test for.

Available fields are *user*, *uid*, *gid*, *shell*, *home*, *ruser*, *rhost*, *tty* and *service*:

field < number

Field has a value numerically less than number.

field <= number

Field has a value numerically less than or equal to number.

field eq number

Field has a value numerically equal to number.

field >= number

Field has a value numerically greater than or equal to number.

field > number

Field has a value numerically greater than number.

field ne number

Field has a value numerically different from number.

field = string

Field exactly matches the given string.

field != string

Field does not match the given string.

field =~ glob

Field matches the given glob.

field !~ glob

Field does not match the given glob.

field in item:item:...

Field is contained in the list of items separated by colons.

field notin item:item:...

Field is not contained in the list of items separated by colons.

user ingroup group

User is in given group.

user notingroup group

User is not in given group.

user inetgr netgroup

(user,host) is in given netgroup.

user notinetgr group

(user,host) is not in given netgroup.

MODULE TYPES PROVIDED

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

RETURN VALUES

PAM_SUCCESS

The condition was true.

PAM_AUTH_ERR

The condition was false.

PAM_SERVICE_ERR

A service error occurred or the arguments can't be parsed correctly.

EXAMPLES

To emulate the behaviour of *pam_wheel*, except there is no fallback to group 0:

```
auth required pam_succeed_if.so quiet user ingroup wheel
```

Given that the type matches, only loads the othermodule rule if the UID is over 500. Adjust the number after default to skip several rules.

```
type [default=1 success=ignore] pam_succeed_if.so quiet uid > 500
```

```
type required othermodule.so arguments...
```

SEE ALSO

[glob\(7\)](#), [pam\(7\)](#)

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