



Rocky Enterprise Linux 9.2 Manual Pages on command 'subuid.5'

\$ man subuid.5

SUBUID(5) File Formats and Conversions SUBUID(5)

NAME

subuid - the configuration for subordinate user ids

DESCRIPTION

Subuid authorizes a user id to map ranges of user ids from its namespace into child namespaces.

The delegation of the subordinate uids can be configured via the subid field in /etc/nsswitch.conf file. Only one value can be set as the delegation source. Setting this field to files configures the delegation of uids to /etc/subuid. Setting any other value treats the delegation as a plugin following with a name of the form libsubid_\$.so. If the value or plugin is missing, then the subordinate uid delegation falls back to files.

Note, that useradd will only create entries in /etc/subuid if subid delegation is managed via subid files.

LOCAL SUBORDINATE DELEGATION

Each line in /etc/subuid contains a user name and a range of subordinate user ids that user is allowed to use. This is specified

with three fields delimited by colons (:). These fields are:

- ? login name or UID
- ? numerical subordinate user ID
- ? numerical subordinate user ID count

This file specifies the user IDs that ordinary users can use, with the `newuidmap` command, to configure uid mapping in a user namespace.

Multiple ranges may be specified per user.

When large number of entries (10000-100000 or more) are defined in `/etc/subuid`, parsing performance penalty will become noticeable. In this case it is recommended to use UIDs instead of login names.

Benchmarks have shown speed-ups up to 20x.

FILES

`/etc/subuid`

Per user subordinate user IDs.

`/etc/subuid-`

Backup file for `/etc/subuid`.

SEE ALSO

`login.defs(5)`, `newgidmap(1)`, `newuidmap(1)`, `newusers(1)`, `subgid(5)`,
`useradd(8)`, `userdel(8)`, `usermod(8)`, `user_namespaces(7)`.

shadow-utils 4.9

09/28/2022

SUBUID(5)