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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'subgid.5'***

#### ***\$ man subgid.5***

SUBGID(5) File Formats and Conversions SUBGID(5)

#### NAME

subgid - the configuration for subordinate group ids

#### DESCRIPTION

Subgid authorizes a group id to map ranges of group ids from its namespace into child namespaces.

The delegation of the subordinate gids 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 gids to /etc/subgid. Setting any other value treats the delegation as a plugin following with a name of the form libsubid\_\$value.so. If the value or plugin is missing, then the subordinate gid delegation falls back to files.

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

#### LOCAL SUBORDINATE DELEGATION

Each line in /etc/subgid contains a user name and a range of subordinate group 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 group ID
- ? numerical subordinate group ID count

This file specifies the group IDs that ordinary users can use, with the `newgidmap` command, to configure gid 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/subgid`, 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/subgid`

Per user subordinate group IDs.

`/etc/subgid-`

Backup file for `/etc/subgid`.

## SEE ALSO

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

shadow-utils 4.9

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