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Rocky Enterprise Linux 9.2 Manual Pages on command 'adduser.8'

\$ man adduser.8

ADDUSER(8) System Manager's Manual ADDUSER(8)

NAME

adduser, addgroup - add a user or group to the system

SYNOPSIS

adduser [options] [--home DIR] [--shell SHELL] [--no-create-home] [--uid ID] [--firstuid ID] [--lastuid ID] [--ingroup GROUP | --gid ID] [--disabled-password] [--disabled-login] [--gecos GECOS] [--add_extra_groups] [--encrypt-home] user

adduser --system [options] [--home DIR] [--shell SHELL] [--no-create-home] [--uid ID] [--group | --ingroup GROUP | --gid ID] [--disabled-password] [--disabled-login] [--gecos GECOS] user

addgroup [options] [--gid ID] group

addgroup --system [options] [--gid ID] group

adduser [options] user group

COMMON OPTIONS

[-quiet] [-debug] [--force-badname] [--help|-h] [--version] [--conf FILE]

DESCRIPTION

adduser and addgroup add users and groups to the system according to command line options and configuration information in /etc/adduser.conf. They are friendlier front ends to the low level tools like useradd, groupadd and usermod programs, by default choosing Debian policy conformant UID and GID values, creating a home directory with skeletal configuration, running a custom script, and other features. adduser and addgroup can be run in one of five modes:

Add a normal user

If called with one non-option argument and without the `--system` or `--group` options, `adduser` will add a normal user.

`adduser` will choose the first available UID from the range specified for normal users in the configuration file. The UID can be overridden with the `--uid` option.

The range specified in the configuration file may be overridden with the `--firstuid` and `--lastuid` options.

By default, each user in Debian GNU/Linux is given a corresponding group with the same name. Usergroups allow group writable directories to be easily maintained by placing the appropriate users in the new group, setting the set-group-ID bit in the directory, and ensuring that all users use a umask of 002. If this option is turned off by setting `USERGROUPS` to `no`, all users' GIDs are set to `USERS_GID`. Users' primary groups can also be overridden from the command line with the `--gid` or `--ingroup` options to set the group by id or name, respectively. Also, users can be added to one or more groups defined in `adduser.conf` either by setting `ADD_EXTRA_GROUPS` to 1 in `adduser.conf`, or by passing `--add_extra_groups` on the commandline.

`adduser` will create a home directory subject to `DHOME`, `GROUPHOMES`, and `LETTERHOMES`. The home directory can be overridden from the command line with the `--home` option, and the shell with the `--shell` option. The home directory's set-group-ID bit is set if `USERGROUPS` is `yes` so that any files created in the user's home directory will have the correct group.

`adduser` will copy files from `SKEL` into the home directory and prompt for finger (`gecos`) information and a password. The `gecos` may also be set with the `--gecos` option. With the `--disabled-login` option, the account will be created but will be disabled until a password is set. The `--disabled-password` option will not set a password, but login is still possible (for example with SSH RSA keys). To set up an encrypted home directory for the new user, add the `--encrypt-home` option. For more information, refer to the `-b` option of `encryptfs-setup-private(1)`.

If the file `/usr/local/sbin/adduser.local` exists, it will be executed after the user account has been set up in order to do any local setup. The arguments passed to `adduser.local` are:

```
username uid gid home-directory
```

The environment variable `VERBOSE` is set according to the following rule:

0 if `--quiet` is specified

1 if neither

--quiet nor --debug is specified

2 if --debug is specified

(The same applies to the variable DEBUG, but DEBUG is deprecated and will be re? moved in a later version of adduser.)

Add a system user

If called with one non-option argument and the --system option, adduser will add a system user. If a user with the same name already exists in the system uid range (or, if the uid is specified, if a user with that uid already exists), adduser will exit with a warning.

This warning can be suppressed by adding --quiet.

adduser will choose the first available UID from the range specified for system users in the configuration file (FIRST_SYSTEM_UID and LAST_SYSTEM_UID). If you want to have a specific UID, you can specify it using the --uid option.

By default, system users are placed in the nogroup group. To place the new system user in an already existing group, use the --gid or --ingroup options. To place the new system user in a new group with the same ID, use the --group option.

A home directory is created by the same rules as for normal users. The new system user will have the shell /usr/sbin/nologin (unless overridden with the --shell option), and have logins disabled. Skeletal configuration files are not copied.

Add a user group

If adduser is called with the --group option and without the --system option, or addgroup is called respectively, a user group will be added.

A GID will be chosen from the range specified for system GIDS in the configuration file (FIRST_GID, LAST_GID). To override that mechanism you can give the GID using the --gid option.

The group is created with no users.

Add a system group

If addgroup is called with the --system option, a system group will be added.

A GID will be chosen from the range specified for system GIDS in the configuration file (FIRST_SYSTEM_GID, LAST_SYSTEM_GID). To override that mechanism you can give the GID using the --gid option.

The group is created with no users.

Add an existing user to an existing group

If called with two non-option arguments, adduser will add an existing user to an existing

group.

OPTIONS

`--conf FILE`

Use FILE instead of `/etc/adduser.conf`.

`--disabled-login`

Do not run `passwd` to set the password. The user won't be able to use her account until the password is set.

`--disabled-password`

Like `--disabled-login`, but logins are still possible (for example using SSH RSA keys) but not using password authentication.

`--force-badname`

By default, user and group names are checked against the configurable regular expression `NAME_REGEX` (or `NAME_REGEX_SYSTEM` if `--system` is specified) specified in the configuration file. This option forces `adduser` and `addgroup` to apply only a weak check for validity of the name. `NAME_REGEX` is described in `adduser.conf(5)`.

`--gecos GECOS`

Set the `gecos` field for the new entry generated. `adduser` will not ask for finger information if this option is given.

`--gid ID`

When creating a group, this option forces the new groupid to be the given number. When creating a user, this option will put the user in that group.

`--group`

When combined with `--system`, a group with the same name and ID as the system user is created. If not combined with `--system`, a group with the given name is created. This is the default action if the program is invoked as `addgroup`.

`--help` Display brief instructions.

`--home DIR`

Use DIR as the user's home directory, rather than the default specified by the configuration file. If the directory does not exist, it is created and skeleton files are copied.

`--shell SHELL`

Use SHELL as the user's login shell, rather than the default specified by the configuration file.

--ingroup GROUP

Add the new user to GROUP instead of a usergroup or the default group defined by USERS_GID in the configuration file. This affects the users primary group. To add additional groups, see the add_extra_groups option.

--no-create-home

Do not create the home directory, even if it doesn't exist.

--quiet

Suppress informational messages, only show warnings and errors.

--debug

Be verbose, most useful if you want to nail down a problem with adduser.

--system

Create a system user or group.

--uid ID

Force the new userid to be the given number. adduser will fail if the userid is already taken.

--firstuid ID

Override the first uid in the range that the uid is chosen from (overrides FIRST_UID specified in the configuration file).

--lastuid ID

Override the last uid in the range that the uid is chosen from (LAST_UID)

--add_extra_groups

Add new user to extra groups defined in the configuration file.

--version

Display version and copyright information.

EXIT VALUES

0 The user exists as specified. This can have 2 causes: The user was created by adduser or the user was already present on the system before adduser was invoked. If adduser was returning 0, invoking adduser a second time with the same parameters as before also returns 0.

1 Creating the user or group failed because it was already present with other UID/GID than specified. The username or groupname was rejected because of a mismatch with the configured regular expressions, see adduser.conf(5). Adduser has been aborted by a signal.

Or for many other yet undocumented reasons which are printed to console then. You may then consider to remove `--quiet` to make `adduser` more verbose.

FILES

`/etc/adduser.conf`

Default configuration file for `adduser` and `addgroup`

`/usr/local/sbin/adduser.local`

Optional custom add-ons.

SEE ALSO

`adduser.conf(5)`, `deluser(8)`, `groupadd(8)`, `useradd(8)`, `usermod(8)`, Debian Policy 9.2.2.

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Debian GNU/Linux

Version 3.118ubuntu5

ADDUSER(8)