NAME

dpkg−statoverride – override ownership and mode of files

SYNOPSIS

dpkg-statoverride [*option...*] *command*

DESCRIPTION

"**stat overrides**" are a way to tell **dpkg**(1) to use a different owner or mode for a path when a package is installed (this applies to any filesystem object that **dpkg** handles, including directories, devices, etc.). This can be used to force programs that are normally setuid to be install without a setuid flag, or only executable by a certain group.

dpkg-statoverride is a utility to manage the list of stat overrides. It has three basic functions: adding, removing and listing overrides.

COMMANDS

−−add *user group mode path*

Add an override for *path*. *path* does not need to exist when this command is used; the override will be stored and used later. Users and groups can be specified by their name (for example **root** or **nobody**), or by their number by prepending the number with a '**#**' (for example **#0** or **#65534**). The *mode* needs to be specified in octal.

If **−−update** is specified and *path* exists, it is immediately set to the new owner and mode.

−−remove *path*

Remove an override for *path*, the status of *path* is left unchanged by this command.

−−list [*glob-pattern*]

List all overrides. If a glob pattern is specified restrict the output to overrides which match the glob.

−−help

Show the usage message and exit.

−−force−help

Give help about the **−−force−***thing* options (since dpkg 1.19.5).

−−version

Show the version and exit.

OPTIONS

−−admindir *directory*

Set the administrative directory to *directory*. This is where the *statoverride* file is stored. Defaults to «*/var/lib/dpkg*».

−−instdir *directory*

Set the installation directory, which refers to the directory where packages get installed (since dpkg 1.19.2). Defaults to «*/*».

−−root *directory*

Set the root directory to **directory**, which sets the installation directory to «*directory*» and the administrative directory to «*directory***/var/lib/dpkg**» (since dpkg 1.19.2).

−−force−*things*

−−no−force−*things*, **−−refuse−***things*

Force or refuse (**no-force** and **refuse** mean the same thing) to do some things (since dpkg 1.19.5). *things* is a comma separated list of things specified below. **−−force−help** displays a message describing them. Things marked with (*) are forced by default.

Warning: These options are mostly intended to be used by experts only. Using them without fully understanding their effects may break your whole system.

all: Turns on (or off) all force options.

statoverride-add: Overwrite an existing stat override when adding it (since dpkg 1.19.5).

statoverride-remove: Ignore a missing stat override when removing it (since dpkg 1.19.5).

security-mac(*): Use platform-specific Mandatory Access Controls (MAC) based security when installing files into the filesystem (since dpkg 1.19.5). On Linux systems the implementation uses SELinux.

−−force
> Force an action, even if a sanity check would otherwise prohibit it. This is necessary to override an existing override. This option is deprecated (since dpkg 1.19.5), it is replaced by **−−force−all**.

−−update
> Immediately try to change the *path* to the new owner and mode if it exists.

−−quiet
> Be less verbose about what we do.

EXIT STATUS

0 The requested action was successfully performed.

1 For **−−list**, if there are no overrides or none match the supplied glob.

2 Fatal or unrecoverable error due to invalid command-line usage, or interactions with the system, such as accesses to the database, memory allocations, etc.

ENVIRONMENT

DPKG_ROOT
> If set and the **−−instdir** or **−−root** options have not been specified, it will be used as the filesystem root directory (since dpkg 1.19.2).

DPKG_ADMINDIR
> If set and the **−−admindir** or **−−root** options have not been specified, it will be used as the **dpkg** data directory.

DPKG_FORCE
> If set and none of the **−−force−**... options have been specified, it will be used as the force options to use (since dpkg 1.19.5).

DPKG_COLORS
> Sets the color mode (since dpkg 1.18.5). The currently accepted values are: **auto** (default), **always** and **never**.

FILES

/var/lib/dpkg/statoverride
> File which contains the current list of stat overrides of the system. It is located in the **dpkg** administration directory, along with other files important to **dpkg**, such as *status* or *available*.

> **Note: dpkg-statoverride** preserves the old copy of this file, with extension "−old", before replacing it with the new one.

SEE ALSO

dpkg(1).