

NAME

chcon — alter SELinux context of files and directory trees

SYNOPSIS

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chcon [ -v] [ -h|--dereference][[ -R [ -P|-H|-L] [ -x] [ --[no-]preserve-root]]
    context file...
chcon [ -v] [ -h|--dereference][[ -R [ -P|-H|-L] [ -x] [ --[no-]preserve-root]]
    [ -u user] [ -r role] [ -t type] [ -l range] file... (with at least one of -urtl)
chcon [ -v] [ -h|--dereference][[ -R [ -P|-H|-L] [ -x] [ --[no-]preserve-root]]
    --reference=ref-file file...
```

DESCRIPTION

Labels *files* (and, with **-R**, their children) with the specified context:

with <i>context</i>	<i>context</i> ,
with at least one of -urtl	the file's current label with the specified fields altered,
with --reference	the label of <i>ref-file</i> (symbolic link always followed).

If a file is already labelled with the target context, it is not re-set.

OPTIONS

-v, --verbose	Note each file processed to the standard output stream.
-h, --no-dereference	Label symbolic links themselves, not their targets.
--dereference	Follow symbolic links when labelling. This is the default, unless -R .
-R, --recursive	Also change context of all of <i>files</i> ' descendants, depth-first.
-P	-h and don't follow any symbolic links during the descent. This is the default.
-H	--dereference and only follow <i>files</i> , but not any of their descendants.
-L	--dereference and follow all symbolic links.
-x, --one-file-system	Don't label or descend to filesystems (mount-points) different than their corresponding <i>file</i> .
--preserve-root	With -R , refuse to process <i>/</i> .
--no-preserve-root	Don't. This is the default.
-u, --user=user	Change user (the first field) to <i>user</i> .
-r, --role=role	Change role (the second field) to <i>role</i> .
-t, --type=type	Change type (the third field) to <i>type</i> .
-l, --range=range	Change level-range (the fourth field) to <i>range</i> .

EXIT STATUS

1 if a file was unlabelled in **-urtl** mode, *ref-file* was unlabelled (or didn't exist), a file couldn't be labelled, a directory couldn't be read with **-R**, or **-R --preserve-root** and */* was encountered.

SEE ALSO

chcon(1), getfscon(3), setfscon(3), selinux(8)

STANDARDS

Compatible with the GNU system. **-x** is an extension.