

-**r**wx rwx rwx

-**r****w**x rwx rwx

-r**w****x** rwx rwx

-rwx**s** rwx rwx

-rwx**S** rwx rwx

-rwx **r**wx rwx

-rwx **r****w**x rwx

-rwx r**w****x** rwx

-rwx rwx**s** rwx

-rwx rwx**S** rwx

-rwx rwx **r**wx

-rwx rwx **r****w**x

-rwx rwx r**w****x**

-rwx rwx r**w****t**

-rwx rwx r**w****T**

drwx rwx rwx

chmod u+r

chmod u+w

chmod u+x

chmod u+s

chmod u+s,u-x

chmod g+r

chmod g+w

chmod g+x

chmod g+s

chmod g+s,g-x

chmod o+r

chmod o+w

chmod o+x

chmod o+t

chmod o+t,o-x

chmod u+r

"setuid"

"setgid"

"sticky bit"

Files

This file is readable by its owner.

This file is writable by its owner.

This file is executable by its owner.

When the file is executed, the process assumes the id of the owner.

When the file is executed, the process assumes the id of the owner, yet the owner may not execute it himself.

This file is readable by group members.

This file is writable by group members.

This file is executable by group members.

When the file is executed, the process assumes the id of the group.

When the file is executed, the process assumes the id of the group, yet no member of the group may execute it.

This file is readable by others.

This file is writable by others.

This file is executable by others.

Obsolete, originally used to keep the program in virtual memory for faster loading.

Obsolete; not executable by others.

Directories

The owner of this directory may read the names of the files and directories in this directory.

drwx rwx rwx	chmod u+w		The owner of this directory may create, delete and rename files and directories in this directory.
drwx rwx rwx	chmod u+x		The owner of this directory may read data and metadata of files and directories in this directory.
drws rwx rwx	chmod u+s	"setuid"	No effect.
drwS rwx rwx	chmod u+s,u-x		No effect.
drwx rwx rwx	chmod g+r		The names of the files and directories in this directory are readable by group members.
drwx rwx rwx	chmod g+w		Group members may create, delete and rename files and directories in this directory.
drwx rwx rwx	chmod g+x		Group members may read data and metadata of files and directories in this directory.
drwx rws rwx	chmod g+s	"setgid"	New files and directories in this directory inherit the the group id of the directory.
drwx rwS rwx	chmod g+s,g-x		New files and directories in this directory inherit the the group id of the directory. Group members may not read data and metadata of files in this directory.
drwx rwx rwx	chmod o+r		Others may read the names of the files and directories in this directory.
drwx rwx rwx	chmod o+w		Others may create, delete and rename files and directories in this directory.
drwx rwx rwx	chmod o+x		Others may read data and metadata of files and directories in this directory.
drwx rwx rwt	chmod o+t	"restricted deletion flag"	A file or directory in this directory may only be deleted by its owner (, the directory owner and the superuser).
drwx rwx rwT	chmod o+t,o-x		A file or directory in this directory may only be deleted by its owner (, the directory owner and the superuser). Others may not read data and metadata of files in this directory.