File Permissions

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Creation of Users using useradd

useradd is a command-line utility in Linux used to create new user accounts

Syntax | useradd [options] username

Options

-m	Create the user's home directory.
-G	Add the user to supplementary groups.

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Creation of Groups using groupadd

groupadd is a command used to create new groups in Linux.

Syntax | groupadd [options] groupname

Options

-g	Specify the numerical group ID (GID) for the group.
-r	Create a system group.

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Modification of Users and Groups

User Modification

- usermod command is used to modify user account properties.

Syntax

- usermod [options] [groupname] [username]
- Usermod [options] ["Comment"] [username]

Options

- -a : append
- - G: secondary group
- -c : Adds a comment to users username

Cont. Modification of Groups

Group ID Modification

- groupmod command is used to modify group account properties.

Syntax

- groupmod [options] [ID_NUMBER] [groupname]

Group Name Modification

- groupmod command is used to modify group properties.

Syntax:

- groupmod [options] [new_groupname] [old_groupname]

Options

- -g : change the group ID
- - n: change the name of the group to New Group
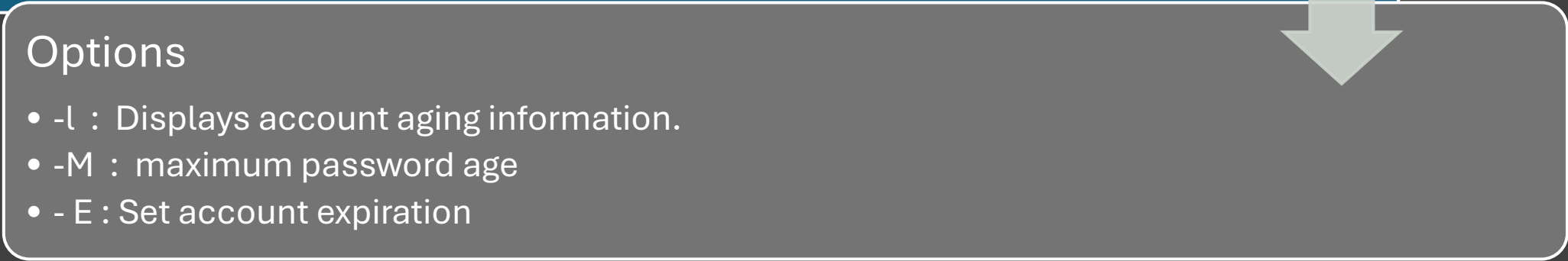
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Account Information | Chage

chage is used to change user password expiry information.

Syntax | chage [options] username

Options

- -l : Displays account aging information.
- -M : maximum password age
- - E : Set account expiration

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Location of User Information

User information is stored in various system files.

/etc/passwd: Contains user account information.

/etc/shadow: Stores encrypted user passwords.

/etc/group: Stores group information.