

User Account Commands	
Command	Purpose
useradd	Create a new user
adduser	Interactive user creation (Debian/Ubuntu)
usermod	Modify a user account
userdel	Delete a user
passwd	Set or change a user's password
chage	Manage password aging and expiration
id	Display user and group IDs
whoami	Display current username
finger	Display user information (if installed)

User Information	
Command	Purpose
id	User and group IDs
who	Logged-in users
w	Logged-in users and activity
last	Login history
lastlog	Last login per user
users	Currently logged-in usernames

User Switch	
Command	Purpose
su	Switch user
sudo	Execute command as another user
sudo -i	Start a root login shell

Group Management	
Command	Purpose
groupadd	Create a group
groupmod	Modify a group
groupdel	Delete a group
gpasswd	Manage group memberships and passwords
groups	Display user's groups
newgrp	Switch to another group

Common User Account Attributes		
Attribute	Description	Managed By
Username	Login name	useradd, usermod
UID	User ID	useradd, usermod
Primary Group	Default group	useradd, usermod
Supplementary Groups	Additional groups	usermod -aG
Home Directory	User's home folder	useradd -d, usermod -d
Login Shell	Default shell	useradd -s, usermod -s
Password	Password lifetime	chage
Account Expiration	Account expiry date	chage, usermod -e
Account Lock Status	Locked or unlocked	passwd -l, usermod -L
GECOS	Full name, phone, etc.	chfn

Account Locking & Expiration	
Command	Purpose
passwd -l	Lock account password
passwd -u	Unlock account password
usermod -L	Lock user account
chage	Configure password aging
chage -l	View password aging

Home Directory & Skeleton	
Command	Purpose
useradd -m	Create home directory
useradd -d	Specify home directory
useradd -k	Specify skeleton directory
useradd -s	Specify login shell

Important Files	
File	Purpose
/etc/passwd	User accounts
/etc/shadow	Password hashes
/etc/group	Groups
/etc/gshadow	Group passwords
/etc/login.defs	User account defaults
/etc/default/useradd	Default user add settings
/etc/skel	User profile template

