Set 1: Installation

Which tool is commonly used to install CentOS or RHEL?

a) apt-get

b) yum

c) pacman

d) dpkg

Answer: b) yum

Which file contains the boot loader configuration in a standard RHEL installation?

a) /etc/grub.conf

b) /boot/grub2/grub.cfg

c) /etc/fstab

d) /etc/inittab

Answer: b) /boot/grub2/grub.cfg

What is the default installation directory for applications installed from RPM packages?

a) /var

b) /etc

c) /usr/local

d) /opt

Answer: c) /usr/local

Which command can be used to install software during the CentOS installation process?

a) dnf

b) yum install

c) rpm -i

d) kickstart

Answer: d) kickstart

Set 2: Booting Process

Which file is used by the Linux kernel during the boot process to mount file systems?

a) /etc/fstab

b) /boot/grub/grub.conf

c) /etc/inittab

d) /etc/rc.local

Answer: a) /etc/fstab

Which of the following is the first process started by the Linux kernel at boot time?

a) init

b) systemd

c) bash

d) cron

Answer: b) systemd

What command is used to change the runlevel in CentOS/RHEL?

a) init

b) runlevel

c) systemctl

d) telinit

Answer: c) systemctl

In RHEL/CentOS, the bootloader used by default is called?

a) LILO

b) GRUB2

c) syslinux

d) Bootmgr

Answer: b) GRUB2

Set 3: Linux Usage Basics

Which command is used to display the current working directory?

a) pwd

b) whoami

c) ls

d) cd

Answer: a) pwd

How can you list hidden files in a directory using the ls command?

a) ls -a

b) ls -l

c) ls -h

d) ls -r

Answer: a) ls -a

What does the cd command do?

a) Changes the directory

b) Copies files

c) Creates a directory

d) Deletes files

Answer: a) Changes the directory

Which of the following commands displays a calendar?

a) cal

b) date

c) time

d) cat

Answer: a) cal

Set 4: Linux File System

Which of the following directories is used to store system-wide configuration files?

a) /bin

b) /etc

c) /usr

d) /var

Answer: b) /etc

What command is used to display the file system disk space usage?

a) df

b) du

c) free

d) fdisk

Answer: a) df

What is the default file system used in CentOS 7 and RHEL 7?

a) ext3

b) ext4

c) xfs

d) btrfs

Answer: c) xfs

Which command is used to check a file's type?

a) file

b) type

c) stat

d) check

Answer: a) file

Set 5: Package Management

Which of the following is the package manager used in RHEL 8?

a) apt

b) rpm

c) yum

d) dnf

Answer: d) dnf

What command is used to install a package using the rpm tool?

a) rpm -i

b) rpm -install

c) rpm -add

d) rpm --install

Answer: a) rpm -i

Which command lists all installed RPM packages?

a) yum list installed

b) rpm -qa

c) dnf list installed

d) apt list --installed

Answer: b) rpm -qa

How do you remove a package using yum?

a) yum erase

b) yum remove

c) yum uninstall

d) yum delete

Answer: b) yum remove

Set 6: Standard I / O Pipes

Which symbol is used to redirect output to a file in Linux?

a) |

b) &

c) >

d) #

Answer: c) >

How can you redirect the output of one command to the input of another?

a) Using the pipe |

b) Using >

c) Using &

d) Using #

Answer: a) Using the pipe |

What is the purpose of the tee command?

a) Redirect input to a file

b) Split output to both a file and display

c) Append to a file

d) Concatenate two files

Answer: b) Split output to both a file and display

Which command concatenates files and outputs to the standard output?

a) cat

b) tee

c) more

d) tail

Answer: a) cat

Set 7: Basic System Configuration Tools

Which tool is commonly used to manage services in RHEL 7 and later?

a) chkconfig

b) systemctl

c) service

d) init

Answer: b) systemctl

What is the main configuration file for the network in CentOS/RHEL?

a) /etc/sysconfig/network-scripts/ifcfg-*

b) /etc/hosts

c) /etc/resolv.conf

d) /etc/network/interfaces

Answer: a) /etc/sysconfig/network-scripts/ifcfg-*

Which command shows the current IP address of your machine?

a) ip addr

b) ifconfig

c) netstat

d) hostname

Answer: a) ip addr

How can you restart the network service on CentOS/RHEL 8?

a) systemctl restart network

b) service network restart

c) systemctl restart NetworkManager

d) networkctl restart

Answer: c) systemctl restart NetworkManager

Set 8: Essential System Administration Tools

Which command is used to check the disk usage of a directory?

a) du

b) df

c) lsblk

d) blkid

Answer: a) du

What is the command to monitor real-time system processes?

a) top

b) ps

c) kill

d) htop

Answer: a) top

How can you list all running processes on a system?

a) ps -ef

b) top

c) htop

d) free

Answer: a) ps -ef

Which tool provides a dynamic, real-time view of running processes?

a) top

b) vmstat

c) sar

d) uptime

Answer: a) top

Set 9: Network Clients

Which of the following commands is used to check network connectivity by sending ICMP requests?

a) ping

b) netstat

c) traceroute

d) telnet

Answer: a) ping

How can you resolve a domain name to an IP address?

a) nslookup

b) ping

c) traceroute

d) wget

Answer: a) nslookup

Which command is used to transfer files via FTP?

a) ftp

b) scp

c) rsync

d) wget

Answer: a) ftp

Which file contains the list of DNS servers on a Linux system?

a) /etc/resolv.conf

b) /etc/hosts

c) /etc/hostname

d) /etc/network/interfaces

Answer: a) /etc/resolv.conf

Set 10: Network Configuration

Which command is used to display active network connections?

a) netstat

b) iptables

c) ip addr

d) dig

Answer: a) netstat

How can you bring up a network interface in RHEL/CentOS?

a) ifup

b) ifconfig

c) ip addr

d) systemctl start network

Answer: a) ifup

What is the purpose of /etc/hosts?

a) Maps IP addresses to hostnames

b) Resolves domain names

c) Stores network interface configurations

d) Configures the firewall

Answer: a) Maps IP addresses to hostnames

Which command can be used to trace the route packets take to a destination?

a) traceroute

b) ping

c) netstat

d) nslookup

Answer: a) traceroute