# **Commands used in cloud computing:**

Creating a comprehensive cheat sheet for all network and operating system commands used in cloud computing can be quite extensive, as it depends on the specific cloud provider and the operating system in use.

## **Networking Commands:**

**Ping:**

**Usage**: ping [hostname or IP]

**Purpose**: Check network connectivity.

**Traceroute:**

**Usage**: traceroute [hostname or IP]

**Purpose**: Trace the route that packets take to reach a destination.

**Netstat:**

**Usage**: netstat -a (Windows) or netstat -an (Linux)

**Purpose**: Display network connections, routing tables, interface statistics, masquerade connections, etc.

**Ipconfig/ifconfig:**

**Usage**: ipconfig (Windows) or ifconfig (Linux)

**Purpose**: Display or configure network interfaces.

**Nmap:**

Usage: nmap [hostname or Ip]

Purpose: Network exploration tool and security scanner.

**nslookup / dig:**

**Usage**: nslookup [hostname or IP] or dig [hostname or IP]

**Purpose**: Query DNS for information about a domain or IP address.

**route:**

**Usage**: route (Linux) or route print (Windows)

**Purpose**: Display and manipulate the IP routing table.

**iptables / firewall-cmd:**

**Usage**: iptables (Linux) or firewall-cmd (Linux, with firewalld)

**Purpose**: Configure firewall rules.

**curl/wget:**

**Usage**: curl [URL] or wget [URL]

**Purpose**: Download files from the web.

# **Linux/Unix Commands:**

**File and Directory Management:**

**ls:** List files and directories.

**cp:** Copy files or directories.

**mv:** Move or rename files.

**rm:** Remove files or directories.

**mkdir**: Create a new directory.

**File Permissions:**

**chmod:** Change file permissions.

**chown:** Change file owner and group.

**chgrp:** Change group ownership of a file.

**Text Processing:**

**grep:** Search for patterns in files.

**sed:** Stream editor for filtering and transforming text