

Hello everyone! In this video, you will learn about the Linux commands used to check the connectivity of the machines in the local network or Internet.

PING (Packet Internet Groper) is a frequently used command by network administrators to check the network connectivity between host and server/host. This command takes the IP address or the URL as input and sends continuous Echo Request data packets to the specified address and gets a response back as Echo Reply packets from the server/host until stopped. The time between the request and reply is recorded which is called latency. The output contains three values, min, max and average of time.

Min specifies minimum time to get a response

Avg specifies average time to get responses and

Max specifies maximum time to get a response.

traceroute is another command in Linux, which gives connectivity-related information by printing the route that a packet takes to reach the host. This command is useful when you want to know about the route and about all the hops that a packet takes. The given image depicts how the traceroute command is used to reach the Google (172.217.26.206) host from the local machine, and it also prints details about all the hops that it visits in between.

Thank You...