## Networking Commands in Linux

- sistensing -- used to assign an address to a network intensace and to Consigure on display the current network intensace.
- Configuration information.

  Configuration information

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balolo bon truson and selection and selection address

This Command takes as input the IP on the URL and Sends a data packet to the specified address with the measage "PINQ" and get a sepponse from the Server/host this time is

First bing low lateray meance Jasten Connection.

some of the description of the DHS Server. the DHS Server. the DHS Server.

\$host -- used too DNS (Domain Hame System) bookup operations
also used to find the IP address of a particular domain
name or stad out the domain name of a particular IP address

changes in the kernel's table which contains the app addresses

It Comprunicates with the IPV4 networks and repolves the IP address of any other machine into the physical address whic is known as the MAO (Media Access Control) address.

hostone -- Hostone is used to display the System DHS Hane and display on set its host name or NIS (Network information System) dornain name.

etc. Used for mostibusing snetwork Consnections both incoming and viewing southing tables, interface statistic,

\* metstate - a -- To Show both Ust -enviring and mon- listoning sockets

# netstate -at -- To list all Tep ports.

# metstate - au -- To list all udp poots,

# netstate -s -- To list the statistics for all books

# metstate - pt -- To display the PID and program names

\$ ib -- Stands for interest protocol, used to show or manipulate, souting devices, and tunnels, the a log of board

It is onuch more powerful with more functions and beilities and him itemstig command to sould be

- # ip address -- used to show all ip addresses associated on all network devices.
- # ip address show etho -- used to show of an particular interspace
- # 16 lieu \_\_ It is used to display lieu layer information.
- # ip -s link -- This Unk option when used with -s option to show the statistics of the various network
- #ip sout This command helps you to see the sout packets amond your meturen will take as set in your table
- # ip a add (ip-add) dev etho -- This is used to assign an Ip address to an interface.
- # ip a del (ip-add) dev etho -- This is used to delete an assigned slip address to an interface.
- # ip link set etho up -- This option enables a network interface.
- # ip link settletho down zon This option disables a network interface.
- moditor -- This Command can moditor and displays the State of devices, addresses and routes Continuosly. W- HITH? x - aluaaxa a
  - \$ 55 -- used to show network statistics. Ss is forter version at

ss is expential son gathering network information and troubleshooting metwork issues.

4 dig -- dig Command Stands for Domain information Overper, basically used by network administrators, used for verifying and trouble shooting DNS problems and to perstorm DNS lookups. servers. also used for retrieving information about the name

Servers.

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Servers.

Secure shell" It is a probect used to securely Connect to a remote Serven/system. Ish is secure in the sonse that it transfers the data in encrypted form between the host and the client.

SSh sums at TCP/IP post 22

Example: Step 1:18 Service son start. step 2: \$ 884 username @ip address.