

UT 10.1 LINUX: NETWORKING ACTIVITIES

Computer Systems
CFGS DAW

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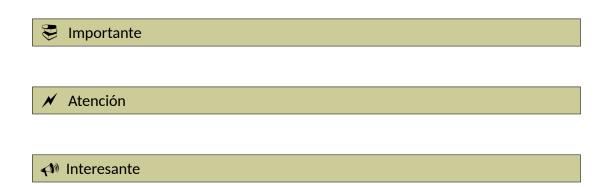
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Nomenclature

Throughout this unit different symbols will be used to distinguish important elements within the content. These symbols are:



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UD10. LINUX: NETWORKING

1. EXERCISE 1

You have to indicate which commands you must use to carry out the following instructions. If there is a command that is not in the Aules documentation, you have the task of looking for it

1. Display information for all network interfaces:

\$ ip addr show

2. Display information for a specific network interface:

\$ ip addr show eth0

3. Assign an IP address to a network interface:

4. Remove an IP address from a network interface:

5. Set a static route:

6. Show the current routes:

\$ ip route show

7. Ping a host

8. Specify the number of packets to send:

9. Specify the packet size:

10. Perform a continuous ping:

11. Display detailed information for each packet:

2. EXERCISE 2

You have to indicate which commands you must use to carry out the following instructions. If there is a command that is not in the Aules documentation, you have the task of looking for it

1. Start an ssh session with a specific user and remote host:

\$ ssh username@hostname

2. Specify a different port than the default (22):

\$ ssh -p portnumber username@hostname

3. Start an ssh session with a private key:

\$ ssh -i privatekeyfile username@hostname

4. Run a command on a remote server and exit immediately after:

\$ ssh username@hostname command

3. EXERCISE 3

You have to indicate which commands you must use to carry out the following instructions. If there is a command that is not in the Aules documentation, you have the task of looking for it

1. Connect to a remote server:

\$ sftp username@hostname

2. Download a file from the remote server:

sftp> get remote-file local-file

3. Load a file in the remote server:

sftp> put local-file remote-file

4. List the file in the remote folder:

sftp> ls

5. Navigate the remote folder "computer-systems-remote":

sftp> cd computer-systems-remote

6. Exit the connection to the remote server:

sftp> exit