



UT 10.1

LINUX: NETWORKING

ACTIVITIES

Computer Systems
CFGS DAW

Author: Borja Salom

b.salomsantamaria@edu.gva.es

Reviewed by: Aarón Martín Bermejo

2023/2024

Version:240215.1047


Licence




Attribution - NonCommercial - ShareAlike (by-nc-sa): No commercial use of the original work or any derivative works is permitted, distribution of which must be under a license equal to that governing the original work.

Nomenclature

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

 Importante

 Atención

 Interesante

CONTENT INDEX

1. Exercise 1.....4

2. Exercise 2.....4

3. Exercise 3.....5

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:
2. Display information for a specific network interface:
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:
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:
2. Specify a different port than the default (22):
3. Start an ssh session with a private key:
4. Run a command on a remote server and exit immediately after:

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:
2. Download a file from the remote server:
3. Load a file in the remote server:
4. List the file in the remote folder:
5. Navigate the remote folder "computer-systems-remote":
6. Exit the connection to the remote server: