

Advanced Networks (420-521-VA)

# Group Project

## Project-B Network Simulation-VLANS- Routing

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Due Date: Thursday, November 28, 2024

Requirements

1,2,3,4:

A diagram of a network

Description automatically generated

5.

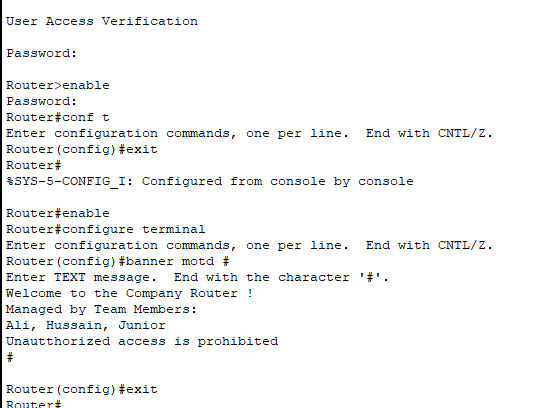
A screenshot of a computer program

Description automatically generated

A screen shot of a computer

Description automatically generated

6.



A white screen with black text

Description automatically generated

7.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

8. Assigned all the IPs for all routers in packet tracker (pkt file in the submission)

9.

A black text on a white background

Description automatically generated

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer program

Description automatically generated

A group of black text

Description automatically generated

A close up of a number

Description automatically generated

10.

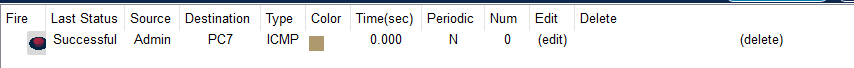
A diagram of a network

Description automatically generated

11.

Admin -> departments PCs

Manufacture:



Human Resources:

A white background with black text

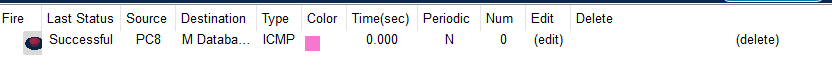
Description automatically generated

Administration:  
A screenshot of a computer

Description automatically generated

Departments PCs-> company servers

Manufacture:

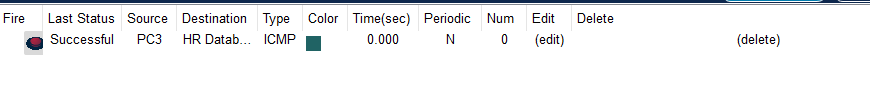


Human Resources:

A screenshot of a computer

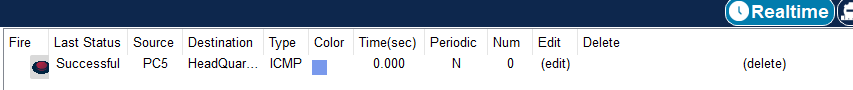
Description automatically generated

Administration:



Departments PCs-> HeadQuarters.ca

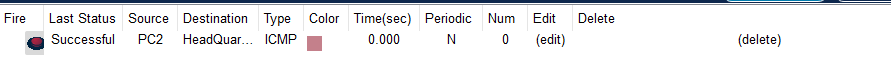
Manufacture:



Human Resources:



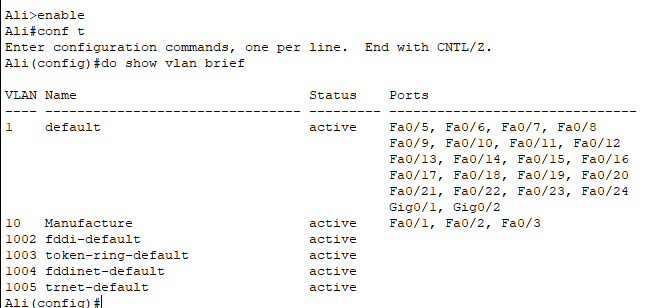
Administration:



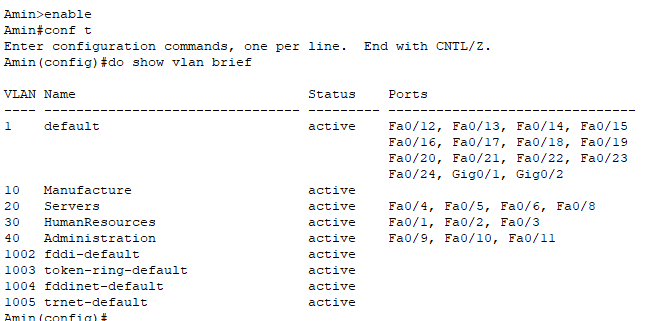
Troubleshooting the network:

Steps:

1. #do show vlan brief (under the switch (1,2) global configuration mode)
   1. Switch 1



* 1. Switch 2

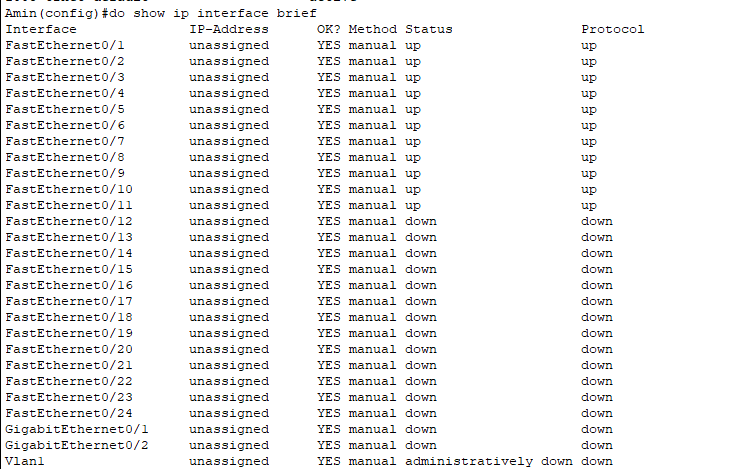


1. #do show ip interface brief (switch(1,2)/router)
   1. Switch 1

A screenshot of a computer program

Description automatically generated

* 1. Switch 2



* 1. Router

A screenshot of a computer

Description automatically generated

1. #do show int trunk (switch1,2)
   1. Switch 1

A white screen with black text

Description automatically generated

* 1. Switch 2

A white screen with black text

Description automatically generated

1. #do show ip route (router)

A screenshot of a computer code

Description automatically generated

1. #sh ip protocols

A screenshot of a computer program

Description automatically generated

1. #sh ip route

A screenshot of a computer program

Description automatically generated