Lab N°1: Initializing and Reloading a Router and Switch

Required

- Background information
  - Basic English language
  - Basic computer science skills
- Hardware
  - A Computer device
- Softwares
  - PacketTracer

Educational goals

- Learn how to connect Router-Laptop (or Switch-Laptop) for configuration
- Learn how to use the Terminal emulator application
- Learn the necessary commands for initializing and reloading a Router
- Learn the necessary commands for initializing and reloading a Switch
- Learn the importance of initializing and reloading for network configuration
- Learn how to do the basic setup of a Router

1st Task
Setup the Topology

- Import the devices into the workspace
- Connect a Laptop with the Router
- Connect a Laptop with the Switch

2nd Task
Initialize and reload the Router

- Open the Terminal emulator application
- Erase the startup configuration file from NVRAM
- Reload the Router
- Bypass the initial configuration dialog

3ed Task
Initialize and reload the Switch

- Open the Terminal emulator application
- Check if any VLANs existing and delete them
- Erase the startup configuration file from NVRAM
- Reload the Switch
- Bypass the initial configuration dialog

4th Task
Basic setup of a Router

- Open the Terminal emulator application
- Setup a new router hostname
- Setup a password for the Privileged mode
- Configure the console access
- Save the congurartion

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Presented with xmind