Project #2

Project No. 2 Case Study and Requirements

Create a network of two sections using 2 routers.

* One switch must be placed on each part, and the 2 switches must be connected to one router.
* Each floor must contain 2 computers and a printer and a wireless device.
* use of the two networks 192.168.1.0 / 24, 192.168.2.0 / 24 respectively, for two parts. , all interfaces must be configured with the correct IP addresses, subnet mask, and gateways.
* The network between two routers should be 172.16.1.0/30
* All devices in the network must be connected using appropriate cables.
* Test communication between devices in all departments.

Technologies Implemented

* Creating a Simple Network using a Router and Access Layer Switch.
* Connecting Networking devices with Correct cabling.
* Connecting two Networks using Routers.
* Subnetting and IP Addressing.
* Assigning IP Addresses to Router's interfaces.
* Static IP Address allocation to Host Devices.
* Use Static routing protocol to advertise routes.
* Test and Verifying Network Communication.