LAB 08

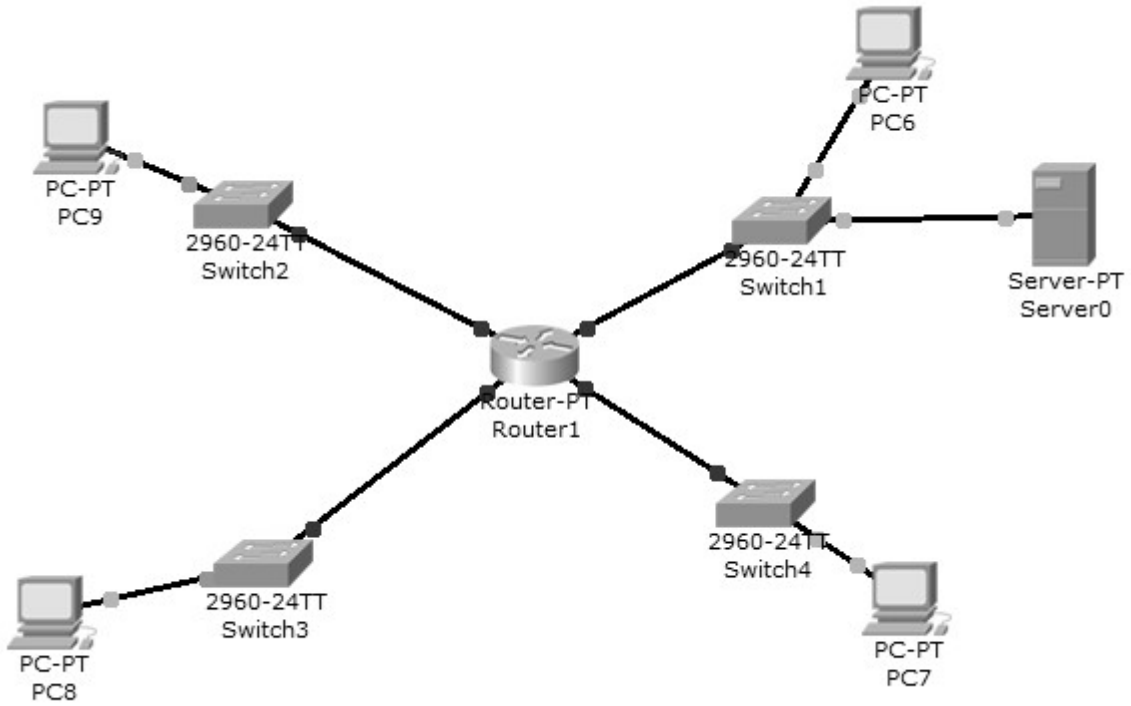
Retrieving configurations from NVRAM and TFTP server

Introduction

Any configuration that we type is stored in RAM (Running configuration) which has the disadvantage in the sense that it is volatile, i.e data can be wash out in case of any failure of the main supply. For the sake of storing the data we store the configuration into NVRAM (Running configuration) of the router / switch or save it into the TFTP server.

Objective

To familiarize students with the concepts and procedure to store and then retrieve configuration from NVRAM and TFTP server.



Problem

Storing and retrieving configurations from NVRAM and TFTP server.

Equipments

1. Router,

2. Necessary cables

3. TFTP server

Procedure

1. To store the data from DRAM into NVRAM, the procedure is given below:

   Router # copy running-config startup-config

   Detination filename [startup-config]? Press enter

   Router #

2. Now the data from DRAM into the TFTP server is stored as:

   Router # copy running-config tftp

   Address or name of remote host []? 192.168.1.2

   Destination filename [Router-config]? File Bahria

   Router #

3. The data from NVRAM into the TFTP server is stored as:

   Router # copy running-config tftp

   Address or name of remote host [] ? 192.168.1.2

   Destination filename [Router-config] ? file-Bahria

Task:

1) Draw above network diagram
2) Assign IP to all ports of Router and PC
3) Assign IP to TFTP serve
4) Copy running configuration of Router to TFPT server
5) Restart router
6) Establish connection of router to TFTP server
7) Copy configuration from TFTP server to router startup configuration