

Ex No: 13c CUSTOMIZE SWITCH WITH NETWORK MODULES

AIM:

To create a simple network topology using packet tracer and customize the switch with network modules.

Network Device Modules:

Network devices form the core of networking. Any network device like switch or router, comes with some default interfaces and some empty slots. Default interfaces are usually Ethernet interfaces; however, router or switch support more different kinds of interfaces. New interfaces come in the form of modules which can be put inside those empty slots.

A device module is a piece of hardware containing several device interfaces. For example, a HWIC-4ESW module contains four Ethernet (10 MBps) ports. Suppose you need to establish a WAN connection between two different locations. So you need to buy a WAN module.

Creating a custom device by adding modules:

Packet Tracer offers a feature to save a device that is customized by adding modules and termed as custom-made device. The following steps create a custom network device:

1. Drag-and-drop a network device into the work area. For this example, Generic switch: Switch-PT-Empty.
2. Click on the switch to open its configuration dialog box, and turn the device off.
3. Add the most-used modules to this switch.
4. Navigate to Tools | Custom Devices Dialog, or press Ctrl + E.
5. Click on the Select button, and then click on the switch that was just customized.
6. Provide a name and description, and then click on Add and Save.

This custom device is saved with a .ptd extension and will be listed in the Device-specific selection box.

Exercise 1:

1. Create a Simple topology as shown below and configure the PCs and switch s1 and s2.



