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EXPERIMENT:10
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CUSTOMIZE SWITCH WITH NETWORK MODULES USING CISCO PACKET TRACER

AIM:

To customize the switch with network modules using cisco packet tracer.

INTRODUCTION:

This experiment explores how to customize a switch using network modules in Cisco Packet Tracer, a powerful simulation tool used for network design and configuration. By adding and configuring different modules, such as fiber optic interfaces or additional Ethernet ports, users can tailor a switch's capabilities to meet specific network requirements.

ALGORITHM:

- 1.Launch cisco packet tracer on your computer.
- 2.In the device toolbar locate switches section and drag and drop switch model on the workspace(2960).
- 3.Click on the switch and open its configuration window.navigate to physical tab .
- 4.In the physical tab,click the slots where you want to add module.
- 5.Drag the module from the list of modules available and drop it into the slot on the switch.



```
Switch#
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#hostname grp
grp(config)#exit
grp#
%SYS-5-CONFIG_I: Configured from console by console
|
```

SET THE MESSAGE OF THE DAY BANNER FOR SWITCH:

```
grp#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
grp(config)#banner?
banner
grp(config)#banner?
banner
grp(config)#banner?
banner
grp(config)#banner ?
    motd Set Message of the Day banner
grp(config)#banner banner motd ?
% Unrecognized command
grp(config)#banner motd ?
    LINE c banner-text c, where 'c' is a delimiting character
grp(config)#banner motd $
Enter TEXT message. End with the character '$'.
*****
only authorized user allowed
*****
$
```

CONFIG THE LINE CONSOLE PASSWORD AND ENABLE SECRET PASSWORD:

```
grp>enable
Password:
grp# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
grp(config)#line con 0
grp(config-line)#password grp@123
grp(config-line)#login
grp(config-line)#exit
grp(config)#enable secret grp@456
grp(config)#exit
grp#
%SYS-5-CONFIG_I: Configured from console by console
```

User Access Verification

Password:

SHOW THE VLAN

```
grp>enable
Password:
grp#show vlan
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa1/1, Fa2/1, Fa3/1 Fa4/1, Fa5/1, Fa6/1, Gig7/1 Fa8/1, Eth9/1
1002 fddi-default	active	
1003 token-ring-default	active	

NAMING THE VLAN

```
grp#configure t
Enter configuration commands, one per line.  End with CNTL/Z.
grp(config)#vlan 10
grp(config-vlan)#name sale
grp(config-vlan)#exit
grp(config)#
```

ASSIGN INTERFACE TO VLAN

```
grp(config-if)#switchport mode access
grp(config-if)#switchport access vlan 10
grp(config-if)#exit
grp(config)#interface FastEthernet3/1
grp(config-if)#
grp(config-if)#exit
grp(config)#
grp(config)#interface FastEthernet0/1
grp(config-if)#
grp(config-if)#switchport access vlan 10
grp(config-if)#exit
grp(config)#
```

ASSIGN IP ADDRESS TO VLAN

```
switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
switch(config)#vlan 10
switch(config-vlan)#name sales
switch(config-vlan)#exit
switch(config)#
switch(config)#interface vlan 10
switch(config-if)#
%LINK-5-CHANGED: Interface Vlan10, changed state to up

switch(config-if)#ip address 192.168.10.1 255.255.255.0
switch(config-if)#no shutdown
switch(config-if)#exit
switch(config)#exxit
      ^
% Invalid input detected at '^' marker.

switch(config)#exit
switch#
%SYS-5-CONFIG_I: Configured from console by console
write memory
Building configuration...
[OK]
switch#
```

RESULT:

Thus, successfully configured and customized switch with network modules using Cisco Packet Tracer has been verified.

