

LAB 1

ByteBunch5

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RUNNING-CONFIGURATION

ROUTER

Building configuration...

Current configuration : 2295 bytes

!

! Last configuration change at 12:48:41 UTC Mon Jan 2 2006

! NVRAM config last updated at 12:48:51 UTC Mon Jan 2 2006

! NVRAM config last updated at 12:48:51 UTC Mon Jan 2 2006

version 15.1

no service timestamps debug uptime

no service timestamps log uptime

no service password-encryption

!

hostname Router_on_a_stick

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

!

memory-size iomem 5

!

```
dot11 syslog
ip source-route
!
!
ip cef
!
ip dhcp excluded-address 192.168.30.1 192.168.30.10
ip dhcp excluded-address 192.168.40.1 192.168.40.10
ip dhcp excluded-address 192.168.30.254
ip dhcp excluded-address 192.168.40.254
!
ip dhcp pool Students
network 192.168.30.0 255.255.255.0
default-router 192.168.30.1
dns-server 8.8.8.8
!
ip dhcp pool Saana
network 192.168.40.0 255.255.255.0
default-router 192.168.40.1
dns-server 8.8.8.8
!
!
no ipv6 cef
!
multilink bundle-name authenticated
!
!
!
!
!
!
!
!
!
!
!
voice-card 0
!
crypto pki token default removal timeout 0
!
```

```
!  
!  
!  
license udi pid CISCO2811 sn FCZ112871PS  
username ByteBunch5 secret 5 $1$mERr$hx5rVt7rPNoS4wqbXKX7m0  
!  
redundancy  
!  
!  
ip ssh version 2  
!  
!  
!  
!  
!  
!  
!  
!  
!  
interface FastEthernet0/0  
no ip address  
shutdown  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
description Trunk link to SW1  
no ip address  
duplex auto  
speed auto  
!  
interface FastEthernet0/1.10  
description Remote_Management default Gateway  
encapsulation dot1Q 10  
ip address 192.168.10.1 255.255.255.0  
!  
interface FastEthernet0/1.20  
description Interface for native VLAN 20  
encapsulation dot1Q 20 native  
!  
interface FastEthernet0/1.30
```

```
description Smart_IoT_Students default Gateway
encapsulation dot1Q 30
ip address 192.168.30.1 255.255.255.0
!
interface FastEthernet0/1.40
description Saana_LabRats default Gateway
encapsulation dot1Q 40
ip address 192.168.40.1 255.255.255.0
!
interface Serial0/0/0
no ip address
shutdown
clock rate 2000000
!
interface Serial0/0/1
no ip address
shutdown
clock rate 2000000
!
ip forward-protocol nd
no ip http server
no ip http secure-server
!
ip flow-export version 9
!
!
!
!
!
!
!
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
```

```
!  
!  
!  
!  
line con 0  
line aux 0  
line vty 0 4  
  no login  
  transport input none  
line vty 5 15  
  no login  
  transport input none  
!  
scheduler allocate 20000 1000  
end
```

SW1 - BROOM

Building configuration...

Current configuration : 2295 bytes

```
!  
version 15.0  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname SW1_broom  
  
vlan 10  
  name Remote_Management  
exit  
  
vlan 20  
  name Native_Replacement  
exit
```

```
vlan 30
name Smart_IoT_Students
exit
```

```
vlan 40
name Saana_LabRats
exit
```

```
!
!
!
ip ssh version 2
ip domain-name ByteBunch5.com
!
username ByteBunch5 secret 5 $1$mERr$hx5rVt7rPNoS4wqbXKX7m0
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
!
interface FastEthernet0/1
description Trunk port towards the router
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
!
interface FastEthernet0/2
description Access port in VLAN 40 for Saana's comp
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/3
shutdown
!
```

```
interface FastEthernet0/4
shutdown
!
interface FastEthernet0/5
shutdown
!
interface FastEthernet0/6
shutdown
!
interface FastEthernet0/7
shutdown
!
interface FastEthernet0/8
shutdown
!
interface FastEthernet0/9
shutdown
!
interface FastEthernet0/10
shutdown
!
interface FastEthernet0/11
shutdown
!
interface FastEthernet0/12
shutdown
!
interface FastEthernet0/13
shutdown
!
interface FastEthernet0/14
shutdown
!
interface FastEthernet0/15
shutdown
!
interface FastEthernet0/16
shutdown
!
interface FastEthernet0/17
```

```
shutdown
!
interface FastEthernet0/18
shutdown
!
interface FastEthernet0/19
shutdown
!
interface FastEthernet0/20
shutdown
!
interface FastEthernet0/21
shutdown
!
interface FastEthernet0/22
shutdown
!
interface FastEthernet0/23
shutdown
!
interface FastEthernet0/24
shutdown
!
interface GigabitEthernet0/1
description Interfaces between switches for EtherChannel
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
channel-group 1 mode desirable
!
interface GigabitEthernet0/2
description Interfaces between switches for EtherChannel
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
channel-group 1 mode desirable
!
interface Vlan1
no ip address
shutdown
```



```
!  
interface Vlan10  
 ip address 192.168.10.2 255.255.255.0  
!  
ip default-gateway 192.168.10.1  
!  
!  
!  
!  
line con 0  
!  
line vty 0 4  
 login local  
 transport input ssh  
line vty 5 15  
 login local  
 transport input ssh  
!  
!  
!  
!  
end
```

SW 2

Building configuration...

Current configuration : 2172 bytes

```
!  
version 15.0  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname SW2  
  
vlan 10  
 name Remote_Management  
exit
```

```
vlan 20
name Native_Replacement
exit
```

```
vlan 30
name Smart_IoT_Students
exit
```

```
vlan 40
name Saana_LabRats
exit
```

```
!
!
!
ip ssh version 2
ip domain-name ByteBunch5.com
!
username ByteBunch5 secret 5 $1$mERr$hX5rVt7rPNoS4wqbXKX7m0
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
!
interface FastEthernet0/1
description Access port in VLAN 30 for Student computer
switchport access vlan 30
switchport mode access
!
interface FastEthernet0/2
shutdown
!
interface FastEthernet0/3
shutdown
```

```
!  
interface FastEthernet0/4  
shutdown  
!  
interface FastEthernet0/5  
shutdown  
!  
interface FastEthernet0/6  
shutdown  
!  
interface FastEthernet0/7  
shutdown  
!  
interface FastEthernet0/8  
shutdown  
!  
interface FastEthernet0/9  
shutdown  
!  
interface FastEthernet0/10  
shutdown  
!  
interface FastEthernet0/11  
shutdown  
!  
interface FastEthernet0/12  
shutdown  
!  
interface FastEthernet0/13  
shutdown  
!  
interface FastEthernet0/14  
shutdown  
!  
interface FastEthernet0/15  
shutdown  
!  
interface FastEthernet0/16  
shutdown  
!
```

```
interface FastEthernet0/17
shutdown
!
interface FastEthernet0/18
shutdown
!
interface FastEthernet0/19
shutdown
!
interface FastEthernet0/20
shutdown
!
interface FastEthernet0/21
shutdown
!
interface FastEthernet0/22
shutdown
!
interface FastEthernet0/23
shutdown
!
interface FastEthernet0/24
shutdown
!
interface GigabitEthernet0/1
description Interfaces between switches for the EtherChannel
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
channel-group 1 mode desirable
!
interface GigabitEthernet0/2
description Interfaces between switches for the EtherChannel
switchport trunk native vlan 20
switchport trunk allowed vlan 10,20,30,40
switchport mode trunk
channel-group 1 mode desirable
!
interface Vlan1
no ip address
```

```
shutdown
!  
interface Vlan10  
ip address 192.168.10.3 255.255.255.0  
!  
ip default-gateway 192.168.10.1  
!  
!  
!  
!  
line con 0  
!  
line vty 0 4  
login local  
transport input ssh  
line vty 5 15  
login local  
transport input ssh  
!  
!  
!  
!  
end
```