**KTM SWITCH CONFIGURATION**

**1. First, change the switch name with “hostname and time ” command.**

Switch>

Switch>en

Switch>enable

Switch#clock set 10:23:30 november 21 2023

Switch#

Switch#configure t

Switch#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname KTM

**2. Now create the VLANs using “VLAN” command.**

KTM(config)#

KTM(config)#vlan 10

KTM(config-vlan)#name BOK

KTM(config-vlan)#exit

KTM(config)#vlan 20

KTM(config-vlan)#name Global\_IME

KTM(config-vlan)#exit

KTM(config)#vlan 30

KTM(config-vlan)#name NIC

KTM(config-vlan)#exit

KTM(config)#vlan 40

KTM(config-vlan)#name Everest

KTM(config-vlan)#exit

KTM(config)#exit

KTM#wr

**3. Just type the “do sh vlan” command from config mod to see whether VLANs are created or not.**

**A screenshot of a computer

Description automatically generated**

**4. Now try to add interfaces to each of these VLANs. All the Interfaces ports are within the default VLAN and not yet grouped to Marketing, Accounting, and Sales. So try to add an interface to a VLAN with the “Switchport” command.**

KTM(config)#

KTM(config)#interface range fastEthernet 0/1-4

KTM(config -if-range)#switchport mode access

KTM(config -if-range)#switchport access vlan 10

KTM(config-if-range)#exit

KTM(config)#interface range fastEthernet 0/5-8

KTM(config-if-range)#switchport mode access

KTM(config-if-range)#switchport access vlan 20

KTM(config-if-range)#exit

KTM(config)#interface range fastEthernet 0/9-12

KTM(config-if-range)#switchport mode access

KTM(config-if-range)#switchport access vlan 30

KTM(config-if-range)#exit

KTM(config)#interface range fastEthernet 0/13-16

KTM(config-if-range)#switchport mode access

KTM(config-if-range)#switchport access vlan 40

KTM(config-if-range)#exit

KTM(config)#exit

KTM#wr

KTM#show vlan

**A screenshot of a computer

Description automatically generated**

**BUTWAL SWITCH CONFIGURATION**

**1. First, change the switch name with “hostname and time” command.**

Switch>

Switch>en

Switch>enable

Switch#clock set 10:23:30 november 21 2023

Switch#

Switch#configure t

Switch#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname BUTWAL

**2. Now create the VLANs using “VLAN” command.**

BUTWAL(config)#

BUTWAL(config)#vlan 10

BUTWAL(config-vlan)#name BOK

BUTWAL(config-vlan)#exit

BUTWAL(config)#vlan 20

BUTWAL(config-vlan)#name Global\_IME

BUTWAL(config-vlan)#exit

BUTWAL(config)#vlan 30

BUTWAL(config-vlan)#name NIC

BUTWAL(config-vlan)#exit

BUTWAL(config)#vlan 40

BUTWAL(config-vlan)#name Everest

BUTWAL(config-vlan)#exit

BUTWAL(config)#exit

BUTWAL#wr

**3. Just type the “do sh vlan” command from config mod to see whether VLANs are created or not.**

**A screenshot of a computer

Description automatically generated**

**4. Now try to add interfaces to each of these VLANs. All the Interfaces ports are within the default VLAN and not yet grouped to Marketing, Accounting, and Sales. So try to add an interface to a VLAN with the “Switchport” command.**

BUTWAL(config)#

BUTWAL(config)#interface range fastEthernet 0/1-4

BUTWAL(config -if-range)#switchport mode access

BUTWAL(config -if-range)#switchport access vlan 10

BUTWAL(config-if-range)#exit

BUTWAL(config)#interface range fastEthernet 0/5-8

BUTWAL(config-if-range)#switchport mode access

BUTWAL(config-if-range)#switchport access vlan 20

BUTWAL(config-if-range)#exit

BUTWAL(config)#interface range fastEthernet 0/9-12

BUTWAL(config-if-range)#switchport mode access

BUTWAL(config-if-range)#switchport access vlan 30

BUTWAL(config-if-range)#exit

BUTWAL(config)#interface range fastEthernet 0/13-16

BUTWAL(config-if-range)#switchport mode access

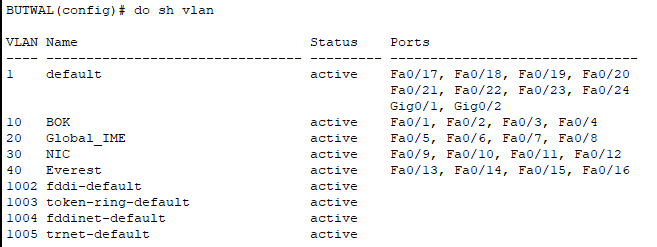
BUTWAL(config-if-range)#switchport access vlan 40

BUTWAL(config-if-range)#exit

BUTWAL(config)#exit

BUTWAL#wr

BUTWAL#show vlan

****

**5. Trunk link configuration**

**KTM SWITCH**

KTM>enable

KTM#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

KTM(config)#

KTM(config)#interface gigabitEthernet 0/1

KTM(config-if)#switchport mode trunk

KTM(config-if)#do show int tr

**Butwal SWITCH**

BUTWAL>enable

BUTWAL#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

BUTWAL(config)#

BUTWAL(config)#interface gigabitEthernet 0/1

BUTWAL(config-if)#switchport mode trunk

BUTWAL(config-if)#do show int tr

A white screen with black text

Description automatically generated