Access Switches (lan1) Running config:

Building configuration...
Current configuration : 5343 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Access-SW1
!
enable secret 5 1mERr$kym/hWmWrJHQirPTzUhSK0
!
!
!
ip domain-name cisco.com
!
username admin secret 5 1mERr$kym/hWmWrJHQirPTzUhSK0
!
!
!
lldp run
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
switchport trunk allowed vlan 10,20,30
switchport mode trunk
!
interface Port-channel2
switchport trunk allowed vlan 10,20,30
switchport mode trunk
!
interface FastEthernet0/1
switchport access vlan 10
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!

```
interface FastEthernet0/2
switchport access vlan 10
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/3
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/4
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/5
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/7
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/8
```

```
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/9
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/10
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/11
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/12
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/13
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/14
switchport mode access
switchport port-security
```

```
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/15
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/16
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/17
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/18
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/19
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/20
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
```

```
spanning-tree bpduguard enable
!
interface FastEthernet0/21
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/22
switchport mode access
switchport port-security
switchport port-security mac-address sticky
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/23
switchport trunk allowed vlan 10,20,30
switchport mode trunk
channel-group 2 mode active
!
interface FastEthernet0/24
switchport trunk allowed vlan 10,20,30
switchport mode trunk
channel-group 2 mode active
!
interface GigabitEthernet0/1
switchport trunk allowed vlan 10,20,30
switchport mode trunk
channel-group 1 mode active
!
interface GigabitEthernet0/2
switchport trunk allowed vlan 10,20,30
switchport mode trunk
channel-group 1 mode active
!
interface Vlan1
no ip address
shutdown
!
interface Vlan10
ip address 192.168.10.4 255.255.255.0
!
interface Vlan20
```

no ip address
!
interface Vlan30
no ip address
!
!
!

Access SW (Lan2 [remote lan]) running config:
Building configuration...

Current configuration : 5174 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Switch
!
enable secret 5 1mERr$kym/hWmWrJHQirPTzUhSK0
!
!
!
!
ip arp inspection vlan 10
!
ip dhcp snooping vlan 10
ip dhcp snooping
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
 switchport access vlan 10
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 switchport port-security mac-address sticky 000D.BD64.5EA9
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/2

```
  switchport access vlan 10
  ip arp inspection trust
  ip dhcp snooping trust
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  switchport port-security mac-address sticky 0002.17AD.249E
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/3
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/4
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/5
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/6
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/7
  switchport mode access
  switchport port-security
  switchport port-security mac-address sticky
  spanning-tree portfast
  spanning-tree bpduguard enable
```

```
!
interface FastEthernet0/8
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/9
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/10
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/11
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/12
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/13
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/14
```

```
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/15
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/16
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/17
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/18
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/19
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/20
 switchport mode access
 switchport port-security
```

```
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/21
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/22
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/23
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/24
 switchport mode access
 switchport port-security
 switchport port-security mac-address sticky
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface GigabitEthernet0/1
 switchport trunk allowed vlan 10
 ip arp inspection trust
 ip dhcp snooping trust
 switchport mode trunk
!
interface GigabitEthernet0/2
!
interface Vlan1
 no ip address
 shutdown
!
```

```
!
!
!
line con 0
!
line vty 0 4
 login
line vty 5 15
 login
!
!
!
!
end
```