R1

Current configuration : 5328 bytes

!

! Last configuration change at 10:13:09 UTC Tue Aug 12 2025

! NVRAM config last updated at 10:13:01 UTC Tue Aug 12 2025

!

version 15.4

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname R1

!

boot-start-marker

boot-end-marker

!

!

enable secret 5 1s.Ql$50HQoVe/LBJZLRr7pBTLC0

!

no aaa new-model

memory-size iomem 15

!

!

!

!

!

!

!

!

!

!

!

!

!

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

cts logging verbose

!

!

voice-card 0

!

!

!

!

!

!

!

license udi pid CISCO2901/K9 sn FJC2107A0P1

license boot module c2900 technology-package securityk9

license boot module c2900 technology-package uck9

!

!

!

redundancy

!

!

!

!

no cdp run

!

!

!

!

!

!

!

!

!

!

interface Embedded-Service-Engine0/0

no ip address

shutdown

!

interface GigabitEthernet0/0

no ip address

duplex auto

speed auto

!

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

!

interface GigabitEthernet0/1.10

encapsulation dot1Q 10

ip address 192.168.8.2 255.255.254.0

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

```
standby 10 ip 192.168.8.1

standby 10 priority 110

standby 10 preempt

no cdp enable

!

interface GigabitEthernet0/1.20

encapsulation dot1Q 20

ip address 192.168.10.2 255.255.255.224

ip access-group EXAM1 in

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 20 ip 192.168.10.1

standby 20 priority 110

standby 20 preempt

no cdp enable

!

interface GigabitEthernet0/1.30

encapsulation dot1Q 30

ip address 192.168.10.34 255.255.255.224
```

```
ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 30 ip 192.168.10.33

standby 30 priority 110

standby 30 preempt

no cdp enable

!

interface GigabitEthernet0/1.40

encapsulation dot1Q 40

ip address 192.168.10.66 255.255.255.224

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 40 ip 192.168.10.65

standby 40 priority 110

standby 40 preempt

no cdp enable

!

interface GigabitEthernet0/1.50
```

```
encapsulation dot1Q 50

ip address 192.168.10.98 255.255.255.224

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 50 ip 192.168.10.97

standby 50 priority 110

standby 50 preempt

no cdp enable

!

interface GigabitEthernet0/1.60

encapsulation dot1Q 60

ip address 192.168.10.130 255.255.255.224

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 60 ip 192.168.10.129

standby 60 priority 110

standby 60 preempt

no cdp enable
```

```
!
interface GigabitEthernet0/1.70
encapsulation dot1Q 70
ip address 192.168.10.162 255.255.255.224
ip helper-address 192.168.11.37
ip nat inside
ip virtual-reassembly in
standby 70 ip 192.168.10.161
standby 70 priority 110
standby 70 preempt
no cdp enable
!
interface GigabitEthernet0/1.80
encapsulation dot1Q 80
ip address 192.168.10.194 255.255.255.224
ip helper-address 192.168.11.37
ip nat inside
ip virtual-reassembly in
standby 80 ip 192.168.10.193
standby 80 priority 110
```

standby 80 preempt

no cdp enable

!

interface GigabitEthernet0/1.90

encapsulation dot1Q 90

ip address 192.168.10.226 255.255.255.224

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 90 ip 192.168.10.225

standby 90 priority 110

standby 90 preempt

no cdp enable

!

interface GigabitEthernet0/1.100

encapsulation dot1Q 100

ip address 192.168.11.2 255.255.255.240

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 100 ip 192.168.11.1

standby 100 priority 110

standby 100 preempt

no cdp enable

!

interface GigabitEthernet0/1.110

encapsulation dot1Q 110

ip address 192.168.11.18 255.255.255.240

ip helper-address 192.168.11.37

ip nat inside

ip virtual-reassembly in

standby 110 ip 192.168.11.17

standby 110 priority 110

standby 110 preempt

no cdp enable

!

interface GigabitEthernet0/1.120

encapsulation dot1Q 120

ip address 192.168.11.38 255.255.255.240

ip helper-address 192.168.11.37

```
ip nat inside

ip virtual-reassembly in

standby 120 ip 192.168.11.33

standby 120 priority 110

standby 120 preempt

no cdp enable

!

interface GigabitEthernet0/1.140

encapsulation dot1Q 140

ip address 10.128.209.139 255.255.255.0

ip nat outside

ip virtual-reassembly in

no cdp enable

!

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 nat inside source list EXAM1 interface GigabitEthernet0/1.140 overload

ip route 0.0.0.0 0.0.0.0 10.128.209.1

!

ip access-list extended EXAM1

deny   ip 192.168.10.0 0.0.0.31 192.168.11.32 0.0.0.15

permit ip any any

!

!

!

!

control-plane

!

!

!

!

!

!

mgcp behavior rsip-range tgcp-only

mgcp behavior comedia-role none

mgcp behavior comedia-check-media-src disable

mgcp behavior comedia-sdp-force disable

!

mgcp profile default

!

!

!

!

!

!

!

gatekeeper

shutdown

!

!

banner motd ^CNo Unauthorized Access^C

!

line con 0

password 7 010157075405160E6508

logging synchronous

login

line aux 0

line 2

no activation-character

no exec

transport preferred none

transport output pad telnet rlogin lapb-ta mop udptn v120 ssh

stopbits 1

line vty 0 4

no login

transport input none

!

scheduler allocate 20000 1000

!

end

R2

Current configuration : 6979 bytes

!

! Last configuration change at 10:14:43 UTC Tue Aug 12 2025

! NVRAM config last updated at 10:12:16 UTC Tue Aug 12 2025

!

version 16.12

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

! Call-home is enabled by Smart-Licensing.

service call-home

platform qfp utilization monitor load 80

platform punt-keepalive disable-kernel-core

!

hostname R2

!

boot-start-marker

boot-end-marker

!

!

vrf definition Mgmt-intf

!

address-family ipv4

exit-address-family

!

address-family ipv6

exit-address-family

!

enable secret 9 $9$6fxSdK/3GByLcE$f0vLgWw71IFm/Mm7gPbaVWBNCYuaTMKuvwVOsIMQazI

!

no aaa new-model

call-home

! If contact email address in call-home is configured as sch-smart-licensing@cisco.com

! the email address configured in Cisco Smart License Portal will be used as contact email address to send SCH notifications.

contact-email-addr sch-smart-licensing@cisco.com

profile "CiscoTAC-1"

  active

  destination transport-method http

  no destination transport-method email

!

!

!

!

login on-success log

!

!

!

!

!

!

!

subscriber templating

!

!

!

!

!

multilink bundle-name authenticated

!

!

!

crypto pki trustpoint TP-self-signed-982863996

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-982863996

revocation-check none

rsakeypair TP-self-signed-982863996

!

crypto pki trustpoint SLA-TrustPoint

enrollment pkcs12

revocation-check crl

!

!

crypto pki certificate chain TP-self-signed-982863996

crypto pki certificate chain SLA-TrustPoint

certificate ca 01

 30820321 30820209 A0030201 02020101 300D0609 2A864886 F70D0101 0B050030

 32310E30 0C060355 040A1305 43697363 6F312030 1E060355 04031317 43697363

 6F204C69 63656E73 696E6720 526F6F74 20434130 1E170D31 33303533 30313934

 3834375A 170D3338 30353330 31393438 34375A30 32310E30 0C060355 040A1305

 43697363 6F312030 1E060355 04031317 43697363 6F204C69 63656E73 696E6720

 526F6F74 20434130 82012230 0D06092A 864886F7 0D010101 05000382 010F0030

 82010A02 82010100 A6BCBD96 131E05F7 145EA72C 2CD686E6 17222EA1 F1EFF64D

 CBB4C798 212AA147 C655D8D7 9471380D 8711441E 1AAF071A 9CAE6388 8A38E520

 1C394D78 462EF239 C659F715 B98C0A59 5BBB5CBD 0CFEBEA3 700A8BF7 D8F256EE

 4AA4E80D DB6FD1C9 60B1FD18 FFC69C96 6FA68957 A2617DE7 104FDC5F EA2956AC

 7390A3EB 2B5436AD C847A2C5 DAB553EB 69A9A535 58E9F3E3 C0BD23CF 58BD7188

68E69491 20F320E7 948E71D7 AE3BCC84 F10684C7 4BC8E00F 539BA42B 42C68BB7

C7479096 B4CB2D62 EA2F505D C7B062A4 6811D95B E8250FC4 5D5D5FB8 8F27D191

C55F0D76 61F9A4CD 3D992327 A8BB03BD 4E6D7069 7CBADF8B DF5F4368 95135E44

DFC7C6CF 04DD7FD1 02030100 01A34230 40300E06 03551D0F 0101FF04 04030201

06300F06 03551D13 0101FF04 05300301 01FF301D 0603551D 0E041604 1449DC85

4B3D31E5 1B3E6A17 606AF333 3D3B4C73 E8300D06 092A8648 86F70D01 010B0500

03820101 00507F24 D3932A66 86025D9F E838AE5C 6D4DF6B0 49631C78 240DA905

604EDCDE FF4FED2B 77FC460E CD636FDB DD44681E 3A5673AB 9093D3B1 6C9E3D8B

D98987BF E40CBD9E 1AECA0C2 2189BB5C 8FA85686 CD98B646 5575B146 8DFC66A8

467A3DF4 4D565700 6ADF0F0D CF835015 3C04FF7C 21E878AC 11BA9CD2 55A9232C

7CA7B7E6 C1AF74F6 152E99B7 B1FCF9BB E973DE7F 5BDDEB86 C71E3B49 1765308B

5FB0DA06 B92AFE7F 494E8A9E 07B85737 F3A58BE1 1A48A229 C37C1E69 39F08678

  80DDCD16 D6BACECA EEBC7CF9 8428787B 35202CDC 60E4616A B623CDBD 230E3AFB

  418616A9 4093E049 4D10AB75 27E86F73 932E35B5 8862FDAE 0275156F 719BB2F0

  D697DF7F 28

        quit

!

!

no license feature hseck9

license udi pid ISR4321/K9 sn FDO22141LZY

license accept end user agreement

license boot level securityk9

memory free low-watermark processor 67107

!

diagnostic bootup level minimal

!

spanning-tree extend system-id

!

!

redundancy

mode none

!

!

!

!

!

no cdp run

!

!

!

!

!

!

!

!

!

!

!

!

!

```
!
!
interface GigabitEthernet0/0/0
no ip address
negotiation auto
!
interface GigabitEthernet0/0/1
no ip address
negotiation auto
!
interface GigabitEthernet0/0/1.10
encapsulation dot1Q 10
ip address 192.168.8.3 255.255.254.0
ip helper-address 192.168.11.37
standby 10 ip 192.168.8.1
standby 10 preempt
no cdp enable
!
interface GigabitEthernet0/0/1.20
encapsulation dot1Q 20
```

```
ip address 192.168.10.3 255.255.255.224

ip helper-address 192.168.11.37

ip access-group EXAM1 in

standby 20 ip 192.168.10.1

standby 20 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.30

encapsulation dot1Q 30

ip address 192.168.10.35 255.255.255.224

ip helper-address 192.168.11.37

standby 30 ip 192.168.10.33

standby 30 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.40

encapsulation dot1Q 40

ip address 192.168.10.67 255.255.255.224

ip helper-address 192.168.11.37

standby 40 ip 192.168.10.65
```

standby 40 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.50

encapsulation dot1Q 50

ip address 192.168.10.99 255.255.255.224

ip helper-address 192.168.11.37

standby 50 ip 192.168.10.97

standby 50 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.60

encapsulation dot1Q 60

ip address 192.168.10.131 255.255.255.224

ip helper-address 192.168.11.37

standby 60 ip 192.168.10.129

standby 60 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.70

encapsulation dot1Q 70

ip address 192.168.10.163 255.255.255.224

ip helper-address 192.168.11.37

standby 70 ip 192.168.10.161

standby 70 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.80

encapsulation dot1Q 80

ip address 192.168.10.195 255.255.255.224

ip helper-address 192.168.11.37

standby 80 ip 192.168.10.193

standby 80 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.90

encapsulation dot1Q 90

ip address 192.168.10.227 255.255.255.224

ip helper-address 192.168.11.37

standby 90 ip 192.168.10.225

```
standby 90 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.100

encapsulation dot1Q 100

ip address 192.168.11.3 255.255.255.240

ip helper-address 192.168.11.37

standby 100 ip 192.168.11.1

standby 100 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.110

encapsulation dot1Q 110

ip address 192.168.11.19 255.255.255.240

ip helper-address 192.168.11.37

standby 110 ip 192.168.11.17

standby 110 preempt

no cdp enable

!

interface GigabitEthernet0/0/1.120
```

```
encapsulation dot1Q 120

ip address 192.168.11.39 255.255.255.240

ip helper-address 192.168.11.37

standby 120 ip 192.168.11.33

standby 120 preempt

no cdp enable

!

interface Serial0/1/0

no ip address

shutdown

!

interface Serial0/1/1

no ip address

shutdown

!

interface GigabitEthernet0

vrf forwarding Mgmt-intf

no ip address

shutdown

negotiation auto
```

!

ip forward-protocol nd

ip http server

ip http authentication local

ip http secure-server

ip tftp source-interface GigabitEthernet0

!

!

ip access-list extended EXAM2

10 deny   ip 192.168.10.0 0.0.0.31 192.168.11.32 0.0.0.15

20 permit ip any any

!

!

!

!

!

control-plane

!

banner motd ^CNo Unauthorized Access^C

!

line con 0

password 7 1500590F0B243B256C77

logging synchronous

login

stopbits 1

line aux 0

stopbits 1

line vty 0 4

no login

!

!

!

!

!

!

end

Distro1

Current configuration : 4698 bytes

!

! Last configuration change at 23:53:55 UTC Sun Mar 14 1993

! NVRAM config last updated at 10:19:28 UTC Tue Aug 12 2025

!

version 15.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname Distro1

!

boot-start-marker

boot-end-marker

!

enable secret 5 1c692$6.H6jkCoF1Xg2RpYB/L5R/

!

no aaa new-model

system mtu routing 1500

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

no cdp run

!

!

!

!

!

!

interface Port-channel1

```
switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/1

switchport access vlan 130

switchport trunk allowed vlan 10,20,100,110

switchport mode trunk

!

interface FastEthernet0/2

switchport access vlan 130

switchport trunk allowed vlan 10,30,110

switchport mode trunk

shutdown

!

interface FastEthernet0/3

switchport access vlan 130

switchport trunk allowed vlan 10,40,110

switchport mode trunk

shutdown

!
```

```
interface FastEthernet0/4

switchport access vlan 130

switchport trunk allowed vlan 10,50,110

switchport mode trunk

shutdown

!

interface FastEthernet0/5

switchport access vlan 130

switchport trunk allowed vlan 10,60,110

switchport mode trunk

shutdown

!

interface FastEthernet0/6

switchport access vlan 130

switchport trunk allowed vlan 10,70,110

switchport mode access

shutdown

!

interface FastEthernet0/7

switchport access vlan 130
```

```
switchport trunk allowed vlan 10,80,110

switchport mode trunk

shutdown

!

interface FastEthernet0/8

switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 1 mode active

!

interface FastEthernet0/9

switchport access vlan 130

switchport trunk allowed vlan 90,110

switchport mode trunk

shutdown

!

interface FastEthernet0/10

switchport access vlan 130

switchport mode access

shutdown

!
```

```
interface FastEthernet0/11

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/12

switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/13

switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 1 mode active

!

interface FastEthernet0/14

switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!
```

```
interface FastEthernet0/15
switchport access vlan 120
switchport mode access
!
interface FastEthernet0/16
switchport access vlan 120
switchport mode access
!
interface FastEthernet0/17
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/18
switchport access vlan 120
switchport mode access
shutdown
!
interface FastEthernet0/19
switchport access vlan 130
```

switchport mode access

shutdown

!

interface FastEthernet0/20

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/21

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/22

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/23

switchport access vlan 140

```
switchport mode access
!
interface FastEthernet0/24
switchport access vlan 140
switchport mode access
!
interface GigabitEthernet0/1
switchport access vlan 130
switchport mode access
shutdown
!
interface GigabitEthernet0/2
switchport access vlan 130
switchport mode access
shutdown
!
interface Vlan1
no ip address
!
interface Vlan10
```

description For Students

no ip address

!

interface Vlan20

description For Classroom1

no ip address

!

interface Vlan30

description For Classroom2

no ip address

!

interface Vlan40

description For Classroom3

no ip address

!

interface Vlan50

description For Classroom4

no ip address

!

interface Vlan60

description For Classroom5

no ip address

!

interface Vlan70

description For Classroom6

no ip address

!

interface Vlan80

description For Classroom7

no ip address

!

interface Vlan90

description For Staff

no ip address

!

interface Vlan100

description For Instructors

no ip address

!

interface Vlan110

description For IT

no ip address

!

interface Vlan120

description For DC

no ip address

!

interface Vlan130

description For Extra

no ip address

!

interface Vlan140

description For Management

no ip address

!

ip default-gateway 192.168.11.33

ip http server

ip http secure-server

!

no vstack

banner motd ^CUnauthorized Access is Prohibited!^C

!

line con 0

password 7 06020632585C064806181C1B0D406E

logging synchronous

login

line vty 0 4

no login

transport input ssh

line vty 5 15

no login

!

end

Distro2

Current configuration : 3595 bytes

!

! Last configuration change at 00:07:43 UTC Mon Mar 15 1993

! NVRAM config last updated at 10:19:03 UTC Tue Aug 12 2025

!

version 15.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname Distro2

!

boot-start-marker

boot-end-marker

!

enable secret 5 1SAN.$9f7TI2w48ZQxOiNuDEXF.1

!

no aaa new-model

system mtu routing 1500

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

no cdp run

!

!

!

!

!

!

interface Port-channel2

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/1

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 2 mode active

!

interface FastEthernet0/2

switchport trunk allowed vlan 10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/3

switchport trunk allowed vlan 10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/4

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/5

switchport access vlan 130

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 2 mode active

!

interface FastEthernet0/6

switchport access vlan 130

switchport trunk allowed vlan 10,20,100,110

```
switchport mode trunk
!
interface FastEthernet0/7
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/8
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/9
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/10
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/11
```

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/12

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/13

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/14

switchport access vlan 120

switchport mode access

!

interface FastEthernet0/15

switchport access vlan 130

switchport mode access

shutdown

!

```
interface FastEthernet0/16
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/17
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/18
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/19
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/20
switchport access vlan 130
switchport mode access
```

shutdown

!

interface FastEthernet0/21

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/22

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/23

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/24

switchport access vlan 130

switchport mode access

shutdown

!

interface GigabitEthernet0/1

```
switchport access vlan 130

switchport mode access

!

interface GigabitEthernet0/2

switchport access vlan 130

switchport mode access

!

interface Vlan1

!

interface Vlan140

no ip address

!

ip http server

ip http secure-server

!

no vstack

banner motd ^CUnauthorized Access is Prohibited!^C

!

line con 0

password 7 121D0C040619035629242A38327166

logging synchronous

login

line vty 0 4
```

no login

transport input ssh

line vty 5 15

no login

!

end

ITOffice

Current configuration : 4732 bytes

!

! Last configuration change at 10:20:02 UTC Tue Aug 12 2025

! NVRAM config last updated at 10:23:08 UTC Tue Aug 12 2025

!

version 15.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname IT_Office

!

boot-start-marker

boot-end-marker

!

enable secret 5 1e/Up$ZkI/rGu0O3yITOzLsf.1c1

!

no aaa new-model

system mtu routing 1500

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

no cdp run

!

!

!

!

!

!

interface Port-channel1

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface Port-channel2

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

!

interface FastEthernet0/1

switchport trunk allowed vlan 1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

```
channel-group 1 mode active
!
interface FastEthernet0/2
switchport access vlan 110
switchport trunk allowed vlan
10,20,30,40,50,60,70,80,90,100,110,120,130,140
switchport mode access
!
interface FastEthernet0/3
switchport access vlan 130
switchport mode access
shutdown
!
interface FastEthernet0/4
switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140
switchport mode trunk
channel-group 1 mode active
!
interface FastEthernet0/5
switchport access vlan 130
```

switchport mode access

shutdown

!

interface FastEthernet0/6

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/7

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/8

switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 2 mode active

!

interface FastEthernet0/9

```
switchport trunk allowed vlan
1,10,20,30,40,50,60,70,80,90,100,110,120,130,140

switchport mode trunk

channel-group 2 mode active

!

interface FastEthernet0/10

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/11

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/12

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/13
```

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/14

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/15

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/16

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/17

```
switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/18

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/19

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/20

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/21
```

```
switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/22

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/23

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/24

switchport access vlan 130

switchport mode access

shutdown

!

interface GigabitEthernet0/1
```

```
switchport access vlan 130

switchport mode access

shutdown

!

interface GigabitEthernet0/2

switchport access vlan 130

switchport mode access

shutdown

!

interface Vlan1

no ip address

!

interface Vlan10

description For Students

no ip address

!

interface Vlan20

description For Classroom1

no ip address

!
```

```
interface Vlan30
description For Classroom2
no ip address
!
interface Vlan40
description For Classroom3
no ip address
!
interface Vlan50
description For Classroom4
no ip address
!
interface Vlan60
description For Classroom5
no ip address
!
interface Vlan70
description For Classroom6
no ip address
!
```

```
interface Vlan80
description For Classroom7
no ip address
!
interface Vlan90
description For Staff
no ip address
!
interface Vlan100
description For Instructors
no ip address
!
interface Vlan110
description For IT
ip address 192.168.11.25 255.255.255.240
!
interface Vlan120
description For DC
no ip address
!
```

```
interface Vlan130

description For Extra

no ip address

!

interface Vlan140

description For Management

no ip address

!

ip default-gateway 192.168.11.17

ip http server

ip http secure-server

ip ssh version 2

!

no vstack

banner motd ^CUnauthorized Access is Prohibited!^C

!

line con 0

password 7 09455A061F031E110E0F0B243B256C77

logging synchronous

login
```

line vty 0 4

login local

transport input ssh

line vty 5 15

no login

!

end

Classroom1

Current configuration : 3373 bytes

!

! Last configuration change at 23:35:55 UTC Sun Mar 7 1993

! NVRAM config last updated at 10:25:02 UTC Tue Aug 12 2025

!

version 15.0

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname Classroom_1

!

boot-start-marker

boot-end-marker

!

enable secret 5 1fgmF$peRIzl9V8Lrkgo2cHQQmh0

!

no aaa new-model

system mtu routing 1500

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

```
!
vlan internal allocation policy ascending
!
ip ssh version 2
!
!
!
!
!
interface FastEthernet0/1
switchport trunk allowed vlan 10,20,100,110
switchport mode trunk
switchport port-security violation restrict
switchport port-security mac-address sticky
!
interface FastEthernet0/2
switchport access vlan 20
switchport mode access
!
interface FastEthernet0/3
```

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/4

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/5

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/6

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/7

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/8

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/9

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/10

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/11

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/12

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/13

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/14

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/15

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/16

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/17

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/18

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/19

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/20

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/21

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/22

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/23

switchport access vlan 130

switchport mode access

shutdown

!

interface FastEthernet0/24

switchport trunk allowed vlan 10,20,100,110

switchport mode trunk

!

interface GigabitEthernet0/1

switchport access vlan 130

switchport mode access

shutdown

!

interface GigabitEthernet0/2

switchport access vlan 130

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

shutdown

!

```
interface Vlan1

no ip address

!

ip http server

ip http secure-server

!

banner motd ^CNo Unauthorized Access^C

!

line con 0

password 7 14141E0A1F1738242B2562362D1D17174745

logging synchronous

login

line vty 0 4

login local

transport input ssh

line vty 5 15

no login

!

end
```