S3

S3#show vlan br

VLAN Name Status Ports

---- -------------------------------- --------- -------------------------------

1 default active Gig0/1, Gig0/2

10 Red active Fa0/1, Fa0/2, Fa0/3, Fa0/4

Fa0/5, Fa0/6, Fa0/7, Fa0/8

20 Blue active Fa0/9, Fa0/10, Fa0/11, Fa0/12

Fa0/13, Fa0/14, Fa0/15, Fa0/16

30 Yellow active Fa0/17, Fa0/18, Fa0/19, Fa0/20

Fa0/21, Fa0/22, Fa0/23, Fa0/24

99 Management active

999 Native active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

S3#

S3#show history

enable

configure terminal

show vlan br

congfig term

show vlan br

configure terminal

show vlan br

show history

S3#config

S3#configure term

S3#configure terminal

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

S3(config)#show history

^

% Invalid input detected at '^' marker.

S3(config)#

S3 con0 is now available

Press RETURN to get started.

%SPANTREE-2-RECV\_PVID\_ERR: Received 802.1Q BPDU on non trunk GigabitEthernet0/2 VLAN1.

%SPANTREE-2-BLOCK\_PVID\_LOCAL: Blocking GigabitEthernet0/2 on VLAN0001. Inconsistent port type.

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to down

%SPANTREE-2-RECV\_PVID\_ERR: Received 802.1Q BPDU on non trunk GigabitEthernet0/2 VLAN1.

%SPANTREE-2-BLOCK\_PVID\_LOCAL: Blocking GigabitEthernet0/2 on VLAN0001. Inconsistent port type.

S3>

S3>en

S3>enable

S3#config

S3#configure term

S3#configure terminal

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

S3(config)#switchport trunk Native Vlan 999

^

% Invalid input detected at '^' marker.

S3(config)#inter

S3(config)#interface g 0/2

S3(config-if)#switchport trunk Native Vlan 999

S3(config-if)#

S3(config-if)#

S3(config-if)#end

S3#

%SYS-5-CONFIG\_I: Configured from console by console

S3#sh int g 0/2 switchport

Name: Gig0/2

Switchport: Enabled

Administrative Mode: dynamic auto

Operational Mode: static access

Administrative Trunking Encapsulation: dot1q

Operational Trunking Encapsulation: native

Negotiation of Trunking: On

Access Mode VLAN: 1 (default)

Trunking Native Mode VLAN: 999 (Native)

Voice VLAN: none

Administrative private-vlan host-association: none

Administrative private-vlan mapping: none

Administrative private-vlan trunk native VLAN: none

Administrative private-vlan trunk encapsulation: dot1q

Administrative private-vlan trunk normal VLANs: none

Administrative private-vlan trunk private VLANs: none

Operational private-vlan: none

Trunking VLANs Enabled: All

Pruning VLANs Enabled: 2-1001

Capture Mode Disabled

Capture VLANs Allowed: ALL

Protected: false

Unknown unicast blocked: disabled

Unknown multicast blocked: disabled

Appliance trust: none

S3#

S3#en

S3#enable

S3#conf

S3#configure termi

S3#configure terminal

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

S3(config)#int

S3(config)#interface g 0/2

S3(config-if)#switchport mode trunk

S3(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to up

%SPANTREE-2-RECV\_PVID\_ERR: Received BPDU with inconsistent peer vlan id 1 on GigabitEthernet0/2 VLAN999.

%SPANTREE-2-BLOCK\_PVID\_LOCAL: Blocking GigabitEthernet0/2 on VLAN0999. Inconsistent local vlan.

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/2 (999), with S1 GigabitEthernet0/2 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/2 (999), with S1 GigabitEthernet0/2 (1).

S3(config-if)#

S3(config-if)#end

S3#sh inter

S3#sh interfaces g0/2 switchport

Name: Gig0/2

Switchport: Enabled

Administrative Mode: trunk

Operational Mode: trunk

Administrative Trunking Encapsulation: dot1q

Operational Trunking Encapsulation: dot1q

Negotiation of Trunking: On

Access Mode VLAN: 1 (default)

Trunking Native Mode VLAN: 999 (Native)

Voice VLAN: none

Administrative private-vlan host-association: none

Administrative private-vlan mapping: none

Administrative private-vlan trunk native VLAN: none

Administrative private-vlan trunk encapsulation: dot1q

Administrative private-vlan trunk normal VLANs: none

Administrative private-vlan trunk private VLANs: none

Operational private-vlan: none

Trunking VLANs Enabled: All

Pruning VLANs Enabled: 2-1001

Capture Mode Disabled

Capture VLANs Allowed: ALL

Protected: false

Unknown unicast blocked: disabled

Unknown multicast blocked: disabled

Appliance trust: none

S3#configter

S3#config

S3#configure term

S3#configure terminal

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

S3(config)#int

S3(config)#interface range

S3(config)#interface g 0/2

S3(config-if)#switchport nonegotiate

S3(config-if)#end

S3#sh interfaces g0/2 switchport

Name: Gig0/2

Switchport: Enabled

Administrative Mode: trunk

Operational Mode: trunk

Administrative Trunking Encapsulation: dot1q

Operational Trunking Encapsulation: dot1q

Negotiation of Trunking: Off

Access Mode VLAN: 1 (default)

Trunking Native Mode VLAN: 999 (Native)

Voice VLAN: none

Administrative private-vlan host-association: none

Administrative private-vlan mapping: none

Administrative private-vlan trunk native VLAN: none

Administrative private-vlan trunk encapsulation: dot1q

Administrative private-vlan trunk normal VLANs: none

Administrative private-vlan trunk private VLANs: none

Operational private-vlan: none

Trunking VLANs Enabled: All

Pruning VLANs Enabled: 2-1001

Capture Mode Disabled

Capture VLANs Allowed: ALL

Protected: false

--More—

S2

S2(config-if-range)#interface range f 0/9-16

S2(config-if-range)#switchport mode access

S2(config-if-range)#switchport access vlan 20

S2(config-if-range)#interface range f 0/17-24

S2(config-if-range)#switchport mode access

S2(config-if-range)#switchport access vlan 30

S2(config-if-range)#

%LINK-3-UPDOWN: Interface FastEthernet0/17, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/17, changed state to down

%LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down

%LINK-3-UPDOWN: Interface FastEthernet0/9, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to down

%LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/17, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/17, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/9, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

S2(config-if-range)#

S2(config-if-range)#

S2(config-if-range)#

S2(config-if-range)#

S2(config-if-range)#exit

S2(config)#show vlan br

^

% Invalid input detected at '^' marker.

S2(config)#exit

S2#

%SYS-5-CONFIG\_I: Configured from console by console

S2#show vlan br

VLAN Name Status Ports

---- -------------------------------- --------- -------------------------------

1 default active Gig0/1, Gig0/2

10 Red active Fa0/1, Fa0/2, Fa0/3, Fa0/4

Fa0/5, Fa0/6, Fa0/7, Fa0/8

20 Blue active Fa0/9, Fa0/10, Fa0/11, Fa0/12

Fa0/13, Fa0/14, Fa0/15, Fa0/16

30 Yellow active Fa0/17, Fa0/18, Fa0/19, Fa0/20

Fa0/21, Fa0/22, Fa0/23, Fa0/24

99 Management active

999 Native active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

S2#

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to up

S2#

S2#show interfaces trunk

S2#show interfaces trunk

Port Mode Encapsulation Status Native vlan

Gig0/1 auto n-802.1q trunking 1

Port Vlans allowed on trunk

Gig0/1 1-1005

Port Vlans allowed and active in management domain

Gig0/1 1,10,20,30,99,999

Port Vlans in spanning tree forwarding state and not pruned

Gig0/1 1,10,20,30,99,999

S2#

S2 con0 is now available

Press RETURN to get started.

S2>

S2>en

S2>enable

S2#config

S2#configure term

S2#configure terminal

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

S2(config)#inter

S2(config)#interface g 0/1

S2(config-if)#switchport trunk vlan 999

^

% Invalid input detected at '^' marker.

S2(config-if)#switchport trunk vlan Native 999

^

% Invalid input detected at '^' marker.

S2(config-if)#switchport trunk Native 999

^

% Invalid input detected at '^' marker.

S2(config-if)#switchport trunk vlan 999

^

% Invalid input detected at '^' marker.

S2(config-if)#switchport trunk Native vlan 999

S2(config-if)#

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

S2 con0 is now available

Press RETURN to get started.

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with S1 GigabitEthernet0/1 (1).

S1

999 Native active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

S1#

%LINK-3-UPDOWN: Interface GigabitEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to down

%LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down

%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up

S1 con0 is now available

Press RETURN to get started.

S1>en

S1>enable

S1#config

S1#configure term

S1#configure terminal

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

S1(config)#int g 0/1

S1(config-if)#switchport mode dynamic desirable

S1(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan99, changed state to up

S1(config-if)#

S1 con0 is now available

Press RETURN to get started.

S1>

S1>

S1>en

S1>enable

S1#CONFIG

S1#CONFIGure TERM

S1#CONFIGure TERMinal

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

S1(config)#int

S1(config)#interface g 0/2

S1(config-if)#switchport mode trunk

S1(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up

S1(config-if)#switchport nonegotiate

S1(config-if)#end

S1#

%SYS-5-CONFIG\_I: Configured from console by console

S1#show dtp

Global DTP information

Sending DTP Hello packets every 30 seconds

Dynamic Trunk timeout is 300 seconds

1 interfaces using DTP

S1#

S1#config

S1#configure term

S1#configure terminal

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

S1(config)#int

S1(config)#interface range %SPANTREE-2-RECV\_PVID\_ERR: Received BPDU with inconsistent peer vlan id 999 on GigabitEthernet0/1 VLAN1.

%SPANTREE-2-BLOCK\_PVID\_LOCAL: Blocking GigabitEthernet0/1 on VLAN0001. Inconsistent local vlan.

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

% Incomplete command.

S1(config)#

S1(config)#vlan 10

S1(config-vlan)#name Red

S1(config-vlan)#vlan 20

S1(config-vlan)#name Blue

S1(config-vlan)#vlan 3

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

0

S1(config-vlan)#vlan 30

S1(config-vlan)#name Yellow

S1(config-vlan)#end

S1#

%SYS-5-CONFIG\_I: Configured from console by console

S1#show vlan br

VLAN Name Status Ports

---- -------------------------------- --------- -------------------------------

1 default active Fa0/1, Fa0/2, Fa0/3, Fa0/4

Fa0/5, Fa0/6, Fa0/7, Fa0/8

Fa0/9, Fa0/10, Fa0/11, Fa0/12

Fa0/13, Fa0/14, Fa0/15, Fa0/16

Fa0/17, Fa0/18, Fa0/19, Fa0/20

Fa0/21, Fa0/22, Fa0/23, Fa0/24

10 Red active

20 Blue active

30 Yellow active

99 Management active

999 Native active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

S1#

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/2 (1), with S3 GigabitEthernet0/2 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/2 (1), with S3 GigabitEthernet0/2 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with S2 GigabitEthernet0/1 (999).

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/2 (1), with S3 GigabitEthernet0/2 (999).