

### Configure VTP

VTP Domain [Domainname]

Set VTP domain

VTP Mode Server|Client|Transparent

Set VTP mode

VTP Password [password]

Set VTP password

Show VTP status

Verify VTP configurations

### Configure Extended VLAN

VTP Mode Transparent

Set VTP Mode to Transparent

Vlan 2000

Create an extended VLAN

### (Troubleshooting) Test Layer 3 Connectivity

Show run | section interface

Verify VLAN Configuration

### Configure an EtherChannel with Cisco PAGP

Channel-group 1 mode desirable

Add Port to a channel-group (Etherchannel)

Interface port-channel 1

Configure the logical interface

Switchport mode trunk

Create a static trunk

Show etherchannel summary

Verify that EtherChannel is working

Show spanning-tree

Show the port channel as one logical link

### Configure DTP

Show interfaces trunk

Verify trunking link

switchport mode trunk

Configure a static trunk link

### Add VLANs and Assign Ports

Vlan [Number]

Create a Vlan where the VlanID equals the entered number

Name [Name]

Name the created Vlan

Show vlan brief

Displays all Vlans

Switchport mode access

Create a static access link

Switchport access vlan [number]

Assign the current port to the chosen vlan.

IP Address [IP-Address] [Subnetmask]

Assign an IP Address to the SVI of VLAN 99

### Configure an 802.3ad LACP EtherChannel

channel-group [number] mode active

Configure a port channel as LACP

### Configure a Redundant EtherChannel Link

channel-group [number] mode active

Use this config for one Switch

channel-group [number] mode passive

Enter this config on the other Switch

