

CCNP Switch

TOPICS

Layer 2 Technologies

SDM templates

Managing MAC address table

Troubleshoot Err-disable recovery

CDP, LLDP

UDLD

SPAN, RSPAN

VTP

VLAN Trunking Protocol

VTP Operating Modes

VTP Domain

VTP Password

VLANs

VTP Configuration Revision Number

VTP Pruning

Server, Transparent & Client Behavior

VTPv1, VTPv2, VTPv3

Changing Preferred Source for VTP IP updater

Switch Port Modes

Configuring Access Mode

Configuring Trunk Mode

Disabling DTP

Allowing VLANs on a Trunk

Spanning Tree Protocol (STP)

Part -1

Selection of Root Bridge by
changing Switch Priority

Configuring
Primary and secondary
Root Bridge

Election of
Root Ports, Designated Ports & NON-Designated Ports

How to
reset the
configuration
in a port
to its default state?

Selection
of Ports

Spanning Tree Protocol - Part -2

VLANs LOAD Balancing

Spanning-Tree PORTFAST

Spanning-Tree UPLINKFAST

Spanning-Tree BACKBONEFAST

Switch priority

port priority

path cost

STP timers

IP Source Guard

DHCP snooping

Dynamic ARP inspection

RSTP (Rapid Spanning Tree Protocol)

Configuring RSTP

PVST+, RPVST+PVST+, RPVST+

MSTP (multi Instance Spanning Tree Protocol)

ETHERCHANNEL

Configuring ETHERCHANNEL (Static Way)

Configuring ETHERCHANNEL using PAgP

Configuring ETHERCHANNEL using LAcP

Configuring Layer-3 ETHERCHANNEL

Multi Layer Switching

Layer -3 SVI
(Switch Virtual Interface)

Layer-2 Inter-Vlan Routing (Router on Stick)

Cisco Stacking Switches Stackwise

High Availability

HSRP (Hot Standby Routing Protocol)

Virtual Router Redundancy Protocol (VRRP)

Gateway Load Balancing Protocol (GLBP)

Port Security

Port Security with Sticky MAC-Address

802.1x Port Based Authentication

BPDU Guard

BPDU Filter

Loopguard

Root Guard

IEEE 802.1q

Tunneling

Protection

Protecting SWITCHPORTS

Aging-Time of MAC-Address-Table

Assigning IP Address to switch

Restricting Various Traffic

Storm control

Private VLAN

AAA with TACACS+ and RADIUS