Cheatography

VLAN, VTP, DTP, Etherchannel Cheat Sheet

by Matthias Bergmann (matttias) via cheatography.com/95537/cs/21113/

Configure VTP

`vtp domain CCNA`	set the domain as CCNA
`vtp mode server`	set mode (server, client or transparent)
`vtp password cisco`	set password
`show vtp status`	confirm vtp config

Configure DTP

`interface f0/1`	enter interface configuration mode
`switchport mode dynamic desirable`	set vtp mode (desirable or auto)
`show interfaces trunk`	confirm trunk configuration

modes: client, trunk, dynamic desirable, dynamic auto
desirable actively tries to create trunk
auto only creates trunk when other side wants a trunk

Extended VLANs

`vtp mode transp aren t`	switch must be transparent
`vlan 2000`	any number higher than 1005 is an extended VLAN

Generic VLAN commands

`vlan 10`	create vlan with number 10
`name Red`	set the name of the VLAN
`switchport mode [acces s|t run k]`	configure port as access or trunk port
`switchport access vlan 10`	configure port as belonging to vlan 10
`show vlan brief`	confirm vlan configuration

Etherchannel - PAgP

`interface range f0/3-4`	configure multiple interfaces at onc3
`channe l-group 1 mode desirable`	add ports to etherchannel 1, mode can be auto or desirable
`no shutdown`	
`show run interface f0/3`	show configuration of specific interface
`show interfaces f0/3 switchport`	see operational mode
`show etherc hannel summary`	confirm that ehterchannel has been created
`interface port-c hannel 1`	configure the created etherchannel
`switchport mode trunk`	
`switchport trunk native vlan 99`	acts like a normal switchport

desirable: try to create etherchannel automatically
auto: only create etherchannel when requested by other port

Link Aggregation - LACP

`interface range f0/1-2`	configure multiple interfaces at once
`switchport mode trunk`	set as trunk
`switchport trunk native vlan 99`	
`channe l-group 2 mode activ e`	create link aggregation for ports - can be active or passive
`no shutdown`	

active: try to create link aggregation automatically
passive: only create link aggregation when requested by other port

By **Matthias Bergmann** (matttias)
cheatography.com/matttias/

Published 12th November, 2019.
Last updated 12th November, 2019.

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