

VLAN, VTP, DTP, Etherchannel Cheat Sheet

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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
name Red	set the name of the VLAN
<pre>switchport mode [acces s t run k]</pre>	configure port as access or trunk port
switchport access vlan 10	configure port as belonging to vlan 10
show vlan brief	confirm vlan config- uration

Etherchannel - PAgP		
interface range f0/3-4	configure multiple interfaces at onc3	
channe l-group 1 mode desirable	add ports to etherc- hannel 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 ehterc- hannel 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		

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 1-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		

auto: only create etherchannel when requested by other port



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