

Port-Security

Command	Function
<code>switchport mode access</code>	port must be in access mode before port-security can be configured
<code>switchport port-security</code>	enables port security on that interface
<code>switchport port-security maximum 2</code>	sets maximum MAC addresses to 2
<code>switchport port-security violation shutdown</code>	sets violation mode to shutdown (shutdown is default)
<code>switchport port-security mac-address sticky mac-address</code>	specified MAC is made sticky
<code>switchport port-security mac-address sticky</code>	converts all dynamically-learned MACs to sticky

Show Commands (cont)

<code>sh int tru</code>	<code>show int trunk</code>	trunk ports, native/mgmt VLANs, & allowed VLANs
<code>show sdm pre</code>	<code>sh sdm prefer</code>	max # of secure MACs that can be configured

VLAN Configuration

Short Command	Full Command
<code>sw m t</code>	<code>switchport mode trunking</code>
<code>sw t n v 99</code>	<code>switchport trunking native vlan 99</code>
<code>sw t a v 2,10,99</code>	<code>switchport trunking access vlan 2,10,99</code>
<code>sw non</code>	<code>switchport nonegotiate</code>
<code>sw a v 10</code>	<code>switchport access vlan 10</code>

Spanning Tree Configuration

Show Commands

Short Command	Full Command	What It Displays
<code>sh port [int f0/5]</code>	<code>show port-security [interface f0/5]</code>	secure MACs configured on all (or specified) interface/s
<code>sh int f0/6 sw</code>	<code>show int f0/6 switchport</code>	port configuration (mode, trunking, VLANs, etc)
<code>sh vl br</code>	<code>show vlan brief</code>	VLAN numbers, names, status, & ports
<code>sh vl na name</code>	<code>show vlan name name</code>	VLAN number, status, & ports
<code>sh vl sum</code>	<code>show vlan summary</code>	number of existing VLANs (Doesn't work on PT)



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