

Router

Get info from router

Command	Meaning
<code>show running-config</code>	Shows the current configuration that runs on the device
<code>show access-lists</code>	Shows all the access-lists configured on the device
<code>show mac-address-table</code>	Shows the table with all the known MAC addresses
<code>show port-security <interface></code>	Get information about the port-security on specific port
<code>show version</code>	Get the inventory list of the device
<code>show ip route</code>	Shows all the routes
<code>show cdp neighbors detail</code>	Get info from connected devices
<code>show vlan</code>	Get all the VLAN's on the router
<code>show vtp</code>	
<code>show spanning-tree</code>	
<code>show controllers</code>	
<code>show flash</code>	Show flashable files to upgrade the OS
<code>show file systems</code>	Output the IOS files or images

Usefull commands

Command	Meaning
<code>enable</code>	Go to EXEC mode
<code>configure terminal</code>	Go to config mode
<code>hostname <name></code>	Change the hostname of the device
<code>clear mac-address-table</code>	Clears the MAC address table
<code>copy flash tftp</code>	Copy current flash to a tftp server
<code>copy tftp flash</code>	Upgrade flash from tftp server
<code>remark <comment></code>	Add comment to the next command, when you do <code>show running-config</code> you can see all your remarks

Configure interface

Command	Options	Meaning
<code>interface <name></code>		Select the interface
<code>ip address <ip> <subnetmask></code>		Configure the ip address / subnetmask

Configure telnet access

Config mode `conf t`

Command	Meaning
1. <code>line vty 0 4</code>	
2. <code>password <pw></code>	Set the password
3. <code>login</code>	Enable the password on login

EIGRP

Config mode `conf t`

Command	Meaning
router eigrp	
network A.B.C.D	

Switch

Configure Interface

Config mode `conf t` Interface mode `interface <name>`

Command	Options	Meaning
<code>switchport mode</code>	<code>trunk</code>	Configure port as trunk port
	<code>access vlan <nr></code>	Change port to specific vlan
	<code>access</code>	Change port to access mode
<code>switchport port-security</code>	<code>violation shutdown</code>	If violation occurs the port is shutdown
	<code>mac-address sticky</code>	The mac addresses are learned when new one gets plugged in
<code>ip access-group <nr></code>	<code>in</code>	
	<code>out</code>	

Create ACL

Config mode `conf t`

Command	Options	Meaning
<code>ip access-list</code>	<code>standard <name></code>	
	<code>extended <name></code>	
<code>permit tcp host A.B.C.D host A.B.C.D eq www</code>		Permit traffic on port 80
<code>deny ip any any</code>		Block all traffic

Create VLAN

Config mode `conf t`

Command	Meaning
<code>vlan</code>	