

LAB 6 Run Sheet

Run Sheet for a Router with 2 Switch's Configuration

R1		
Access Setup Preamble		
Change to Exec/Admin Mode		Router>enable
Change to Config Mode		Router#configure terminal
Hostname		Router (config)# hostname R1
Set enable (Admin) Password		R1 (config)# enable secret class (normally not recorded)
Daily Banner		R1 (config)# banner motd \$ Warning unauthorized access is prohibited \$
Turn on encryption		R1(config)# service password-encryption
Configure Console Line		R1 (config)# line console 0
Set Console Password		R1 (config-line)#password cisco (normally not recorded)
		R1(config-line)# Login
		R1(config-line)# logging synchronous
Configure VTY Lines		R1 (config-line)# line vty 0 4
Set VTY Password		R1 (config-line)# password cisco (normally not recorded)
		R1(config-line)# Login
Disable DNS Lookup		R1(config)# no ip domain-lookup
Interface Setup Section		
Configure Serial 0/0/1 Interface		R1 (config)# interface S0/0/0
Set if-S0/0 IP Address		R1 (config-if)# ip address 10.1.1.1 255.255.255.252
Set DCE Clock Rate		R1(config-if)# clock rate 128000
Interface Description		R1 (config-if)# description Serial Line to Router R2
Turn on Interface		R1 (config-if)# no shutdown
Configure Gigabit 0/0/1 Interface		R1 (config-if)# interface G0/1
Set if-G0/1 IP address		R1 (config-if)# ip address 172.30.10.1 255.255.255.0
Interface Description		R1 (config-if)# description Gigabit 0 Line to Switch S1
Turn interface on		R1 (config-if)# no shutdown
Activate RIP Routing		R1 (config)# router rip
		R1 (config-router)# version 2
No Outbound Updates		R1 (config-router)# passive-interface g0/1
		R1 (config-router)# network 172.30.0.0
		R1 (config-router)# network 10.0.0.0
		R1 (config)# router rip
No summarize class boundries		R1 (config-router)# no auto-summary
		R1 (config)# end
Clear the routing table		R1# clear ip route *
Config Save Section		
Exit Config Mode		R1 (config)# exit
Save Configuration		R1 # copy running-config startup-config (will use "wr" in future)

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R2	
Access Setup Preamble	
Change to Exec/Admin Mode	Router>enable
Change to Config Mode	Router#configure terminal
Hostname	Router (config)# hostname R2
Set enable (Admin) Password	R2 (config)# enable secret class (normally not recorded)
Daily Banner	R2 (config)# banner motd \$ Warning unauthorized access is prohibited \$
Turn on encryption	R2(config)# service password-encryption
Configure Console Line	R2 (config)# line console 0
Set Console Password	R2(config-line)#password cisco (normally not recorded)
	R2(config-line)# Login
	R2(config-line)# logging synchronous
Configure VTY Lines	R2(config-line)# line vty 0 4
Set VTY Password	R2 (config-line)# password cisco (normally not recorded)
	R2(config-line)# Login
Disable DNS Lookup	R2(config)# no ip domain-lookup
Interface Setup Section	
Configure Serial 0/0/1 Interface	R2 (config)# interface S0/0/0
Set if-S0/0 IP Address	R2 (config-if)# ip address 10.1.1.2 255.255.255.252
Interface Description	R2 (config-if)# description Serial Line to Router R1
Turn on Interface	R2 (config-if)# no shutdown
Configure Serial 0/0/1 Interface	R2 (config)# interface S0/0/1
Set if-S0/0 IP Address	R2 (config-if)# ip address 10.2.2.2 255.255.255.252
Set DCE Clock Rate	R2(config-if)# clock rate 128000
Interface Description	R2 (config-if)# description Serial Line to Router R3
Turn on Interface	R2 (config-if)# no shutdown
Configure Gigabit 0/1 Interface	R2 (config-if)# interface G0/0
Set if-G0/1 IP address	R2 (config-if)# ip address 209.165.201.1 255.255.255.0
Interface Description	R2 (config-if)# description Gigabit 0 Line to PC-B
Turn interface on	R2 (config-if)# no shutdown
Activate RIP Routing	R2 (config)# router rip
	R2 (config-router)# version 2
	R2 (config-router)# network 209.165.0.0
	R2 (config-router)# network 10.0.0.0
	R2 (config)# router rip
No summarize class boundaries	R2 (config-router)# no auto-summary
	R2 (config)# end
Clear the routing table	R2# clear ip route *
Set Default Route	R2 (config)# ip route 0.0.0.0 0.0.0.0 209.165.201.2
	R2 (config)# router rip
Advertise Default Static Route	R2 (config)# default-information originate

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Config Save Section		
	Exit Config Mode	R2 (config)# exit
	Save Configuration	R2 # copy running-config startup-config (will use "wr" in future)

R3		
Access Setup Preamble		
	Change to Exec/Admin Mode	Router>enable
	Change to Config Mode	Router#configure terminal
	Hostname	Router (config)# hostname R3
	Set enable (Admin) Password	R3 (config)# enable secret class (normally not recorded)
	Daily Banner	R3 (config)# banner motd \$ Warning unauthorized access is prohibited \$
	Turn on encryption	R3(config)# service password-encryption
	Configure Console Line	R3 (config)# line console 0
	Set Console Password	R3 (config-line)#password cisco (normally not recorded)
		R3(config-line)# Login
		R3(config-line)# logging synchronous
	Configure VTY Lines	R3(config-line)# line vty 0 4
	Set VTY Password	R3 (config-line)# password cisco (normally not recorded)
		R3(config-line)# Login
	Disable DNS Lookup	R3(config)# no ip domain-lookup
Interface Setup Section		
	Configure Serial 0/0/1 Interface	R3 (config)# interface S0/0/1
	Set if-S0/0 IP Address	R3 (config-if)# ip address 10.2.2.1 255.255.255.252
	Interface Description	R3 (config-if)# description Serial Line to Router R2
	Turn on Interface	R3 (config-if)# no shutdown
	Configure Gigabit 0/1 Interface	R3 (config-if)# interface G0/1
	Set if-G0/1 IP address	R3 (config-if)# ip address 172.30.30.1 255.255.255.0
	Interface Description	R3 (config-if)# description Gigabit 0 Line to Switch S3
	Turn interface on	R3 (config-if)# no shutdown
	Activate RIP Routing	R3 (config)# router rip
		R3 (config-router)# version 2
		R3 (config-router)# passive-interface g0/1
		R3 (config-router)# network 172.30.0.0
		R3 (config-router)# network 10.0.0.0
		R3 (config)# router rip
	No summarize class boundaries	R3 (config-router)# no auto-summary
		R3 (config)# end
	Clear the routing table	R3# clear ip route *

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Config Save Section

	Exit Config Mode	R3 (config)# exit
	Save Configuration	R3 # copy running-config startup-config (will use "wr" in future)

Switch S1

Access Setup Preamble

	Change to Exec/Admin Mode	Switch>enable
	Change to Config Mode	Switch#configure terminal
	Hostname	Switch (config)# hostname S1
	Set enable (Admin) Password	S1 (config)# enable secret class (normally not recorded)
	Daily Banner	S1 (config)# banner motd \$ warning unauthorized access prohibited \$
	Turn on encryption	S1(config)# service password-encryption
	Disable DNS Lookup	S1 (config)# no ip domain-lookup
	Configure Console Line	S1 (config)# line console 0
	Set Console Password	S1 (config-line)#password cisco (normally not recorded)
		S1(config-line)# logging synchronous
	Password for Login	S1 (config-line)#login
	Configure VTY Lines	S1 (config-line)# line vty 0 15
	Set VTY Password	S1 (config-line)# password cisco (normally not recorded)
	Password for Login	S1 (config-line)# login
	Exit Line Config	S1 (config-line)# exit

Config Save Section

	Exit Config Mode	S1 (config)# exit
	Save Configuration	S1# copy running-config startup-config (will use "wr" in future)

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Switch S3

Switch S3		
	Change to Exec/Admin Mode	Switch>enable
	Change to Config Mode	Switch#configure terminal
	Hostname	Switch (config)# hostname S3
	Set enable (Admin) Password	S3 (config)# enable secret class (normally not recorded)
	Daily Banner	S3 (config)# banner motd \$ warning unauthorized access prohibited \$
	Turn on encryption	S3(config)# service password-encryption
	Disable DNS Lookup	S3 (config)# no ip domain-lookup
	Configure Console Line	S3 (config)# line console 0
	Set Console Password	S3 (config-line)#password cisco (normally not recorded)
		S3(config-line)# logging synchronous
	Password for Login	S3 (config-line)#login
	Configure VTY Lines	S3 (config-line)# line vty 0 15
	Set VTY Password	S3 (config-line)# password cisco (normally not recorded)
	Password for Login	S3 (config-line)# login
	Exit Line Config	S3 (config-line)# exit

Config Save Section

	Exit Config Mode	S3 (config)# exit
	Save Configuration	S3# copy running-config startup-config (will use "wr" in future)