Cheatography

SingleAreaOSPF Cheat Sheet

by rotmac16 via cheatography.com/100637/cs/21727/

Commands for R1

activate OSPF	router ospf 1
set networks	network IP WCM area 0
set bandwith for reference	auto-cost references bandwith 100
set a specific cost	ip ospf cost 1565
set a specific priority for an interface	ip ospf priority 255

Commands for R2

activate OSPF	router ospf 1
change router IDs using Lo0	interface lo0 -> ip address IP SNM
set priority on interface G0/0	interface G0/0 -> ip ospf priority 100

Commands for R3

activate OSPF	router ospf 1
set networks	network IP WCM area 0
change ospf priority	ip ospf priority 255
reset the ospf process	clear ip ospf 1 process

Standard Commands for each Router

set device name	hostname R1/R2/R3
disable dns	no ip domain-lookup
console password	line console 0 -> password PW
privileged exec password	enable secret PW
enable password encryption	service password-encryption
Save the running config	cop run start

Verification Commands

all routers list the other routers as neighbours	show ip ospf neighbor
command for displaying the process and router id	show ip ospf
display every ospf enabled interface	show ip ospf interface
detailed description of one interface	show ip ospf interface G0/0
just to see shortly if ospf is configured	show ip ospf interface brief
display the cost for the routes	show ip route ospf
display the routing table	show ip route
display the setting of several protocols	show ip protocols
display information about each interface	show ip interface brief

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