r2>**en**
r2#**conf t**
Enter configuration commands, one per line. End with CNTL/Z.
r2(config)#**int s0/0/0**
r2(config-if)#**ip address 10.100.100.5 255.255.255.252**
r2(config-if)#**no shutdown**
r2(config-if)#**exit**
r2(config)#**int s0/0/1**
r2(config-if)#**ip address 10.100.100.2 255.255.255.252**
r2(config-if)#**no shutdown**
r2(config-if)#**exit**
r2(config)#**int g0/1**
r2(config-if)#**ip address 192.168.4.1 255.255.255.0**
r2(config-if)#**no shut**
r2(config-if)#**exit**
r2(config)#**int g0/0**
r2(config-if)#**ip address 192.168.3.1 255.255.255.0**
r2(config-if)#**no shut**
r2(config)#**ip route 192.168.5.0 255.255.255.0 10.100.100.6**
r2(config)#**ip route 192.168.6.0 255.255.255.0 10.100.100.6**
r2(config)#**ip route 192.168.2.0 255.255.255.0 10.100.100.1**
r2(config)#**ip route 192.168.1.0 255.255.255.0 10.100.100.1**
r2(config)#**ip route 0.0.0.0 0.0.0.0 10.100.100.6**
r2(config)#**ip route 0.0.0.0 0.0.0.0 10.100.100.1 5**
r2(config)#**end**

r2#**show ip interface brief**

Interface	IP-Address	OK?	Method	Status	Protocol
Embedded-Service-Engine0/0	unassigned	YES	unset	administratively down	down
GigabitEthernet0/0	192.168.3.1	YES	manual	up	up
GigabitEthernet0/1	192.168.4.1	YES	manual	down	down
Serial0/0/0	10.100.100.5	YES	manual	up	up
Serial0/0/1	10.100.100.2	YES	manual	up	up

r2#**show ip route static**

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override

Gateway of last resort is 10.100.100.6 to network 0.0.0.0

S* 0.0.0.0/0 [1/0] via 10.100.100.6
S 192.168.1.0/24 [1/0] via 10.100.100.1
S 192.168.2.0/24 [1/0] via 10.100.100.1
S 192.168.5.0/24 [1/0] via 10.100.100.6
S 192.168.6.0/24 [1/0] via 10.100.100.6

r2#**show cdp neighbors**

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone,
D - Remote, C - CVTA, M - Two-port Mac Relay

Device ID	Local Intrfce	Holdtme	Capability	Platform	Port ID
Switch	Gig 0/0	175	S I	WS-C2960-	Fas 0/23
R3	Ser 0/0/0	155	R B S I	CISCO1941	Ser 0/0/1
R1	Ser 0/0/1	158	R B S I	CISCO1941	Ser 0/0/0

Total cdp entries displayed : 3

```
r2#traceroute 192.168.1.10
Type escape sequence to abort.
Tracing the route to 192.168.1.10
VRF info: (vrf in name/id, vrf out name/id)
  1 10.100.100.1 0 msec 0 msec 0 msec
  2 192.168.1.10 0 msec 0 msec 0 msec
r2#
```

COMMANDE EN SSH

r2>**en**
r2#**conf t**
Enter configuration commands, one per line. End with CNTL/Z.
r2(config)#**enable secret cisco**
r2(config)#**line con 0**
r2(config-line)#**password class**
r2(config-line)#**login**
r2(config-line)#**service password-encryption**
r2(config)#**ip domain-name depinfo.touchard.edu**
r2(config)#**crypto key generate rsa**
The name for the keys will be: r2.depinfo.touchard.edu
Choose the size of the key modulus in the range of 360 to 4096 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.

How many bits in the modulus [512]: **1024**
r2(config)#**username admin password cisco**
r2(config)#**line vty 0 4**
r2(config)#l**ine vty 0 4**
r2(config-line)#**transport input ssh**

r2(config-line)#**login local**
r2(config-line)#**exit**