en

conf t

hostname R2

enable secret c1sc0

line console 0

password c0ns0l3

exit

service password-encryption

ip domain-name cisco.com

crypto key generate rsa

1024

username sarah password p4ssw0rd

line vty 0 4

login local

transport input ssh

exit

int g0/0/0

description R2 LAN

ip address 192.168.20.1 255.255.255.0

no shutdown

int s0/1/0

description Link to R1

ip address 10.1.1.2 255.255.255.252

no shutdown

int s0/1/1

description Link to R3

ip address 10.1.1.9 255.255.255.252

no shutdown

exit

router ospf 10

router-id 2.2.2.2

network 192.168.20.1 0.0.0.0 area 0

network 10.1.1.2 0.0.0.0 area 0

network 10.1.1.9 0.0.0.0 area 0

passive-interface g0/0/0

exit

ip dhcp pool R2DHCP

network 192.168.20.0 255.255.255.0

default-router 192.168.20.1

dns-server 192.168.10.253

exit

ip dhcp excluded-address 192.168.20.1