**R1**

***Configuring Interfaces***

*Config t*

*Int loopback 0*

*Ip add 1.1.1.1 255.255.255.255*

*Int s4/0*

*Ip add 10.1.1.1 255.255.255.0*

*no shut*

*int s4/1*

*ip add 10.1.2.1 255.255.255.0*

*no shut*

*exit*

***Configuring EIGRP routing protocol***

*router eigrp 100*

*network 0.0.0.0 255.255.255.255*

*no auto-summary*

*exit*

***Configuring SNMP server***

*snmp-server community snmp ro*

***Save configurations***

*wr*

**R2**

***Configuring Interfaces***

*Config t*

*Int loopback 0*

*Ip add 2.2.2.2 255.255.255.255*

*Int s4/0*

*Ip add 10.1.1.2 255.255.255.0*

*no shut*

*int s4/2*

*ip add 10.1.3.2 255.255.255.0*

*no shut*

*exit*

***Configuring EIGRP routing protocol***

*router eigrp 100*

*network 0.0.0.0 255.255.255.255*

*no auto-summary*

*exit*

***Configuring SNMP server***

*snmp-server community snmp ro*

***Save configurations***

*Wr*

**R3**

***Configuring Interfaces***

*Config t*

*Int loopback 0*

*Ip add 3.3.3.3 255.255.255.255*

*Int s4/1*

*Ip add 10.1.2.3 255.255.255.0*

*no shut*

*int s4/2*

*ip add 10.1.3.3 255.255.255.0*

*no shut*

*exit*

***Configuring EIGRP routing protocol***

*router eigrp 100*

*network 0.0.0.0 255.255.255.255*

*no auto-summary*

*exit*

***Configuring SNMP server***

*snmp-server community snmp ro*

***Save configurations***

*wr*

***Configuring ipv4 on management interfaces***

***R1***

*Int f2/0*

*Ip add 10.1.100.1 255.255.255.0*

***R2***

*Int f2/0*

*Ip add 10.1.100.2 255.255.255.0*

***R3***

*Int f2/0*

*Ip add 10.1.100.3 255.255.255.0*

***Win10-NPM***

*Access the network interface within the VM*

*Assign an ipv4 address 10.1.100.100*

*Subnet mask is 255.255.255.0*

*Gateway is R1 ip (10.1.100.1)*

***Test Connectivity***

*//Disable firewall and anti-virus in win11-npm VM – do this to prevent firewall from dropping traffic from devices within GNS3 VM*

***//Ping from win11-npm to R1, R2 and R3***

*Ping 10.1.100.1*

*Ping 10.1.100.2*

*Ping 10.1.100.3*

***//Vice versa***

*Ping 10.1.100.100*

***//If all pings succeed, then your setup is complete***

Discover and monitor nodes using the installed SolarWinds NPM software in the win11-npm VM.