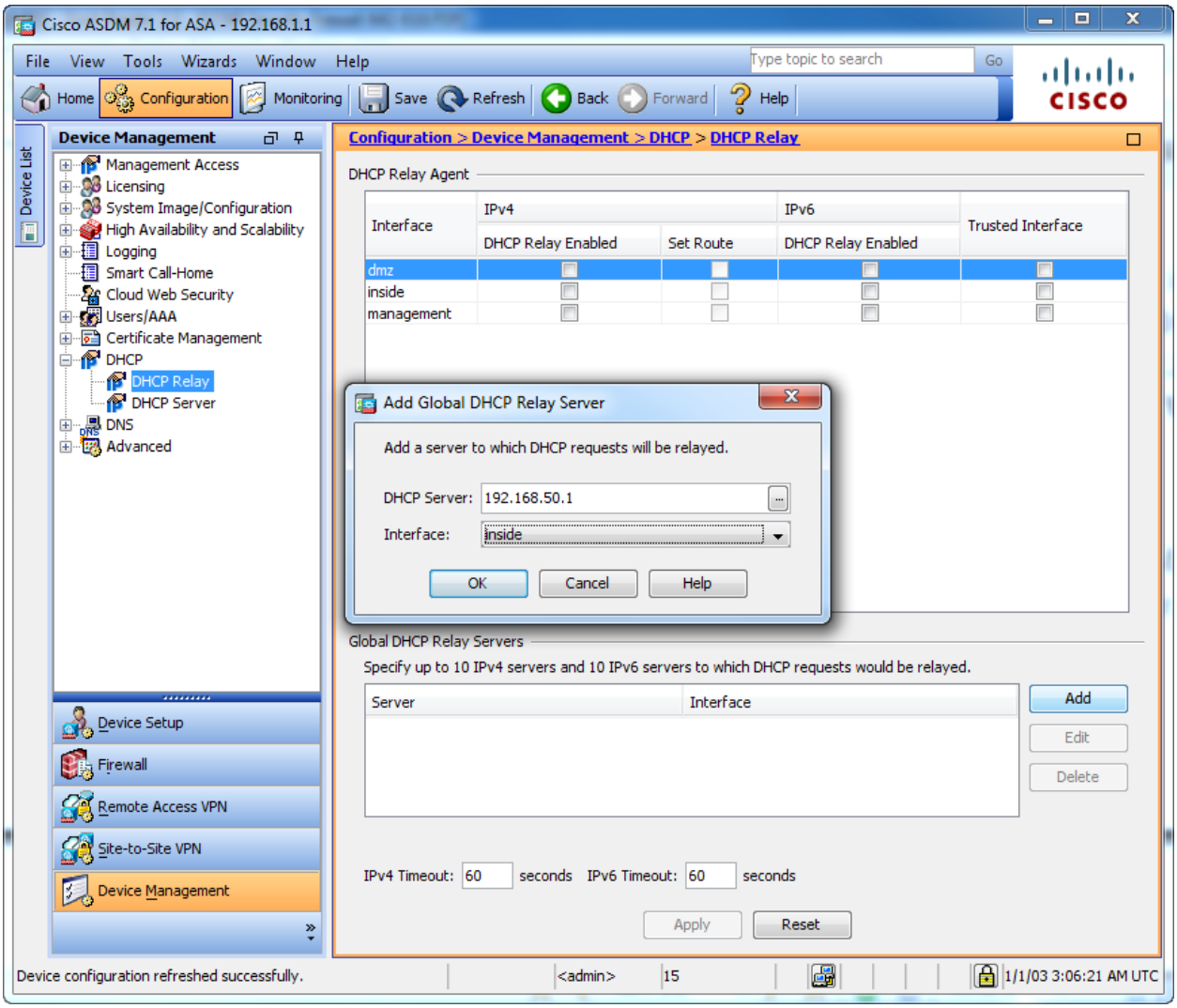
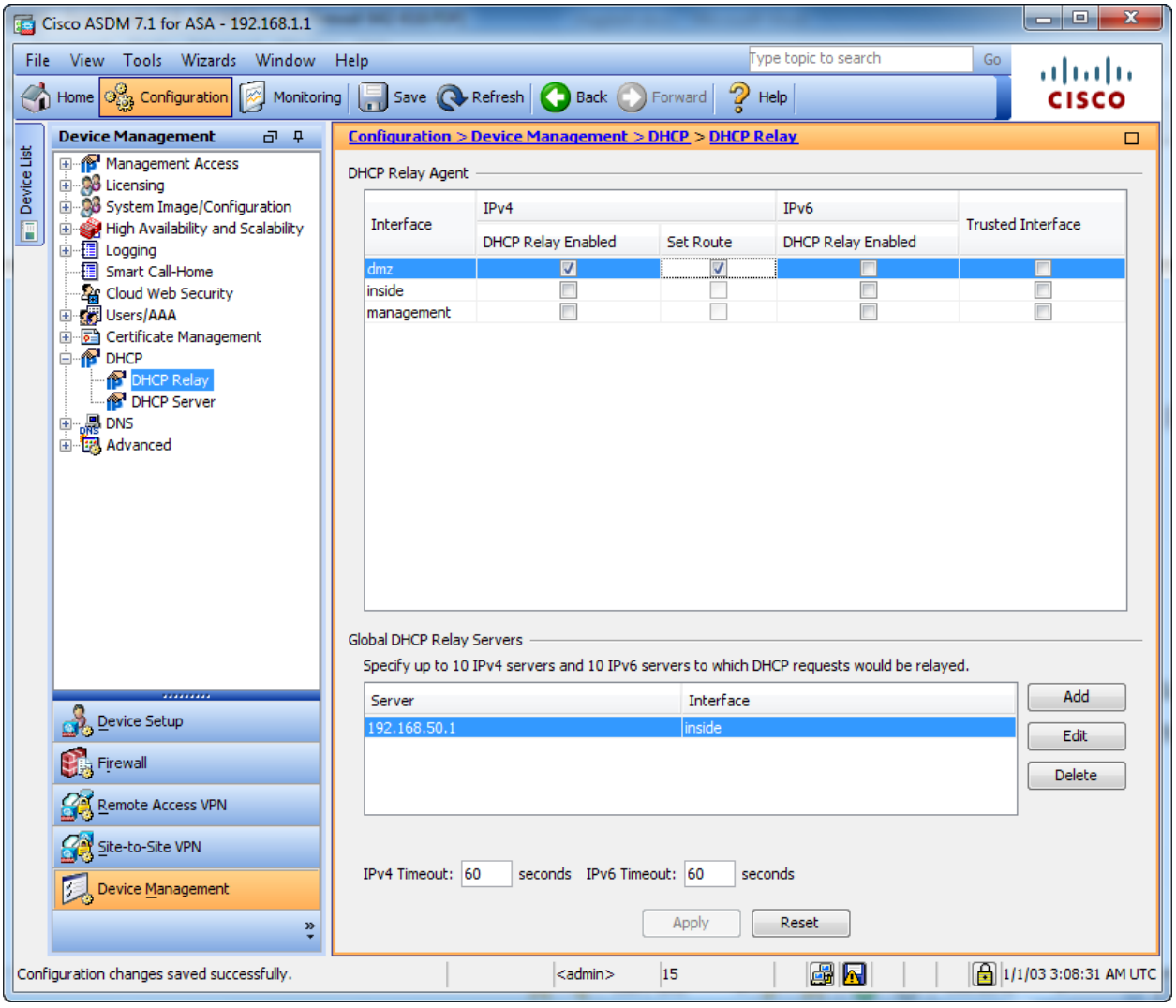
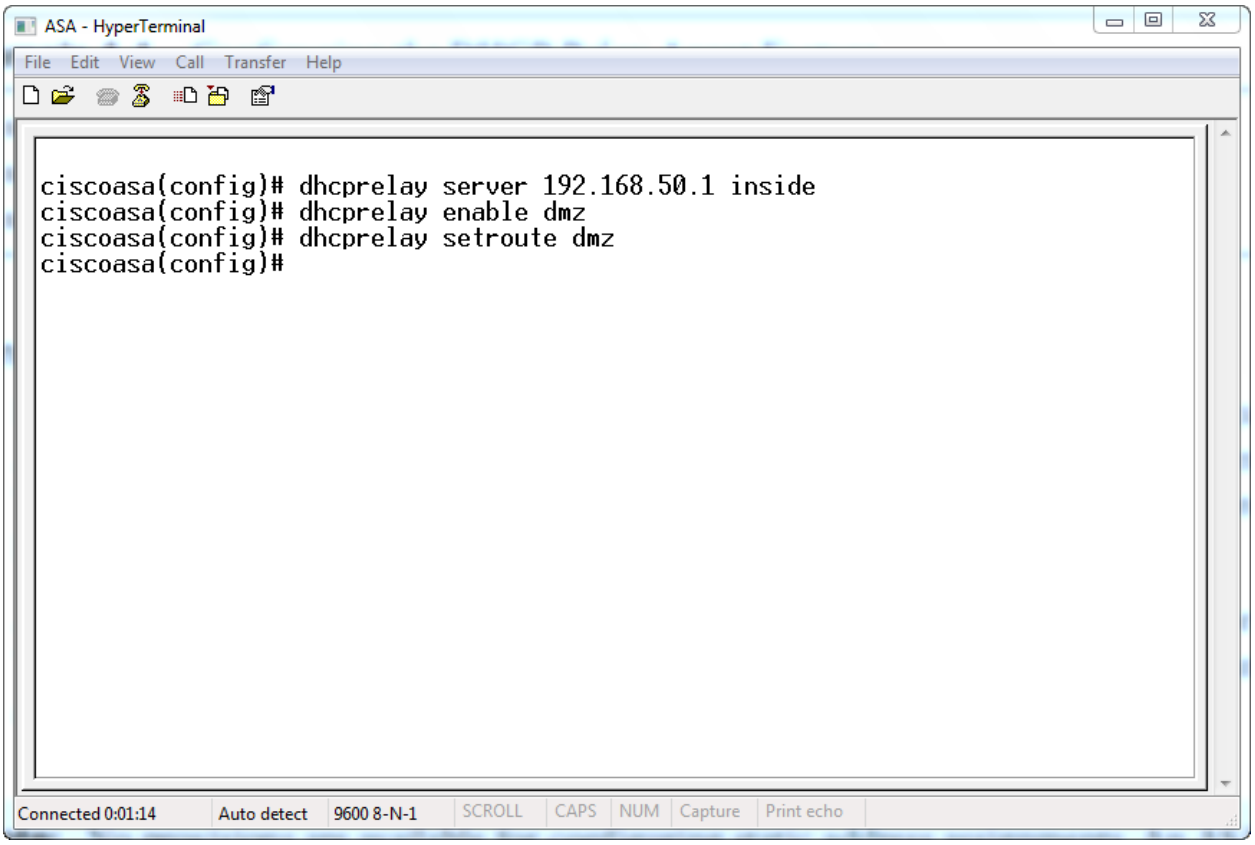
Cấu hình relay agent để cấp DHCP từ server 192.168.50.1 với ASDM

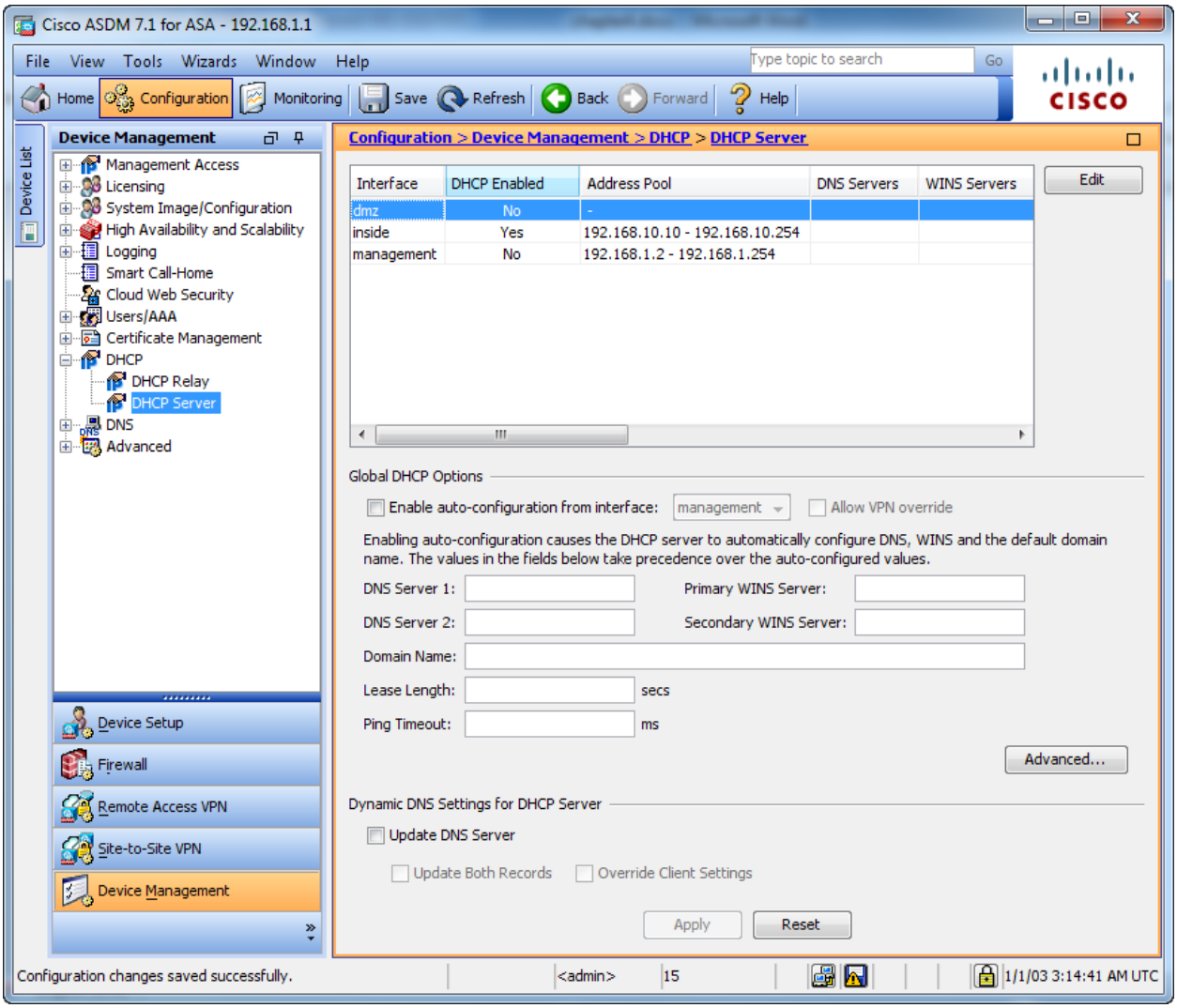



Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
cisco
Device List
Device Management
Management Access
Licensing
System Image/Configuration
High Availability and Scalability
Logging
Smart Call-Home
Cloud Web Security
Users/AAA
Certificate Management
DHCP
DHCP Relay
DHCP Server
DNS
Advanced
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Management > DHCP > DHCP Relay
DHCP Relay Agent
Interface
IPv4
DHCP Relay Enabled
Set Route
IPv6
DHCP Relay Enabled
Trusted Interface
dmz
inside
management
Global DHCP Relay Servers
Specify up to 10 IPv4 servers and 10 IPv6 servers to which DHCP requests would be relayed.
Server
Interface
192.168.50.1
inside
Add
Edit
Delete
IPv4 Timeout: 60 seconds IPv6 Timeout: 60 seconds
Apply
Reset
Configuration changes saved successfully.
<admin>
15
1/1/03 3:08:31 AM UTC

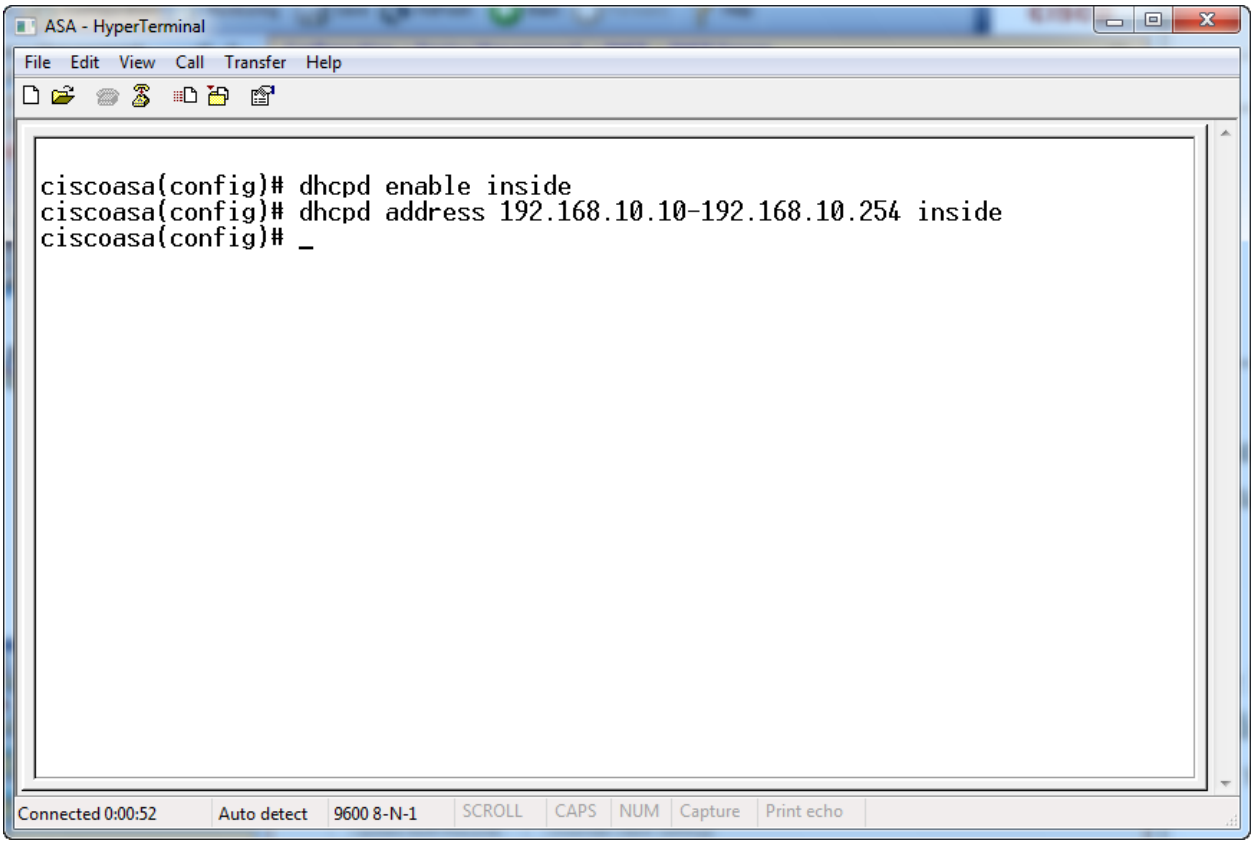
Cấu hình bằng lệnh



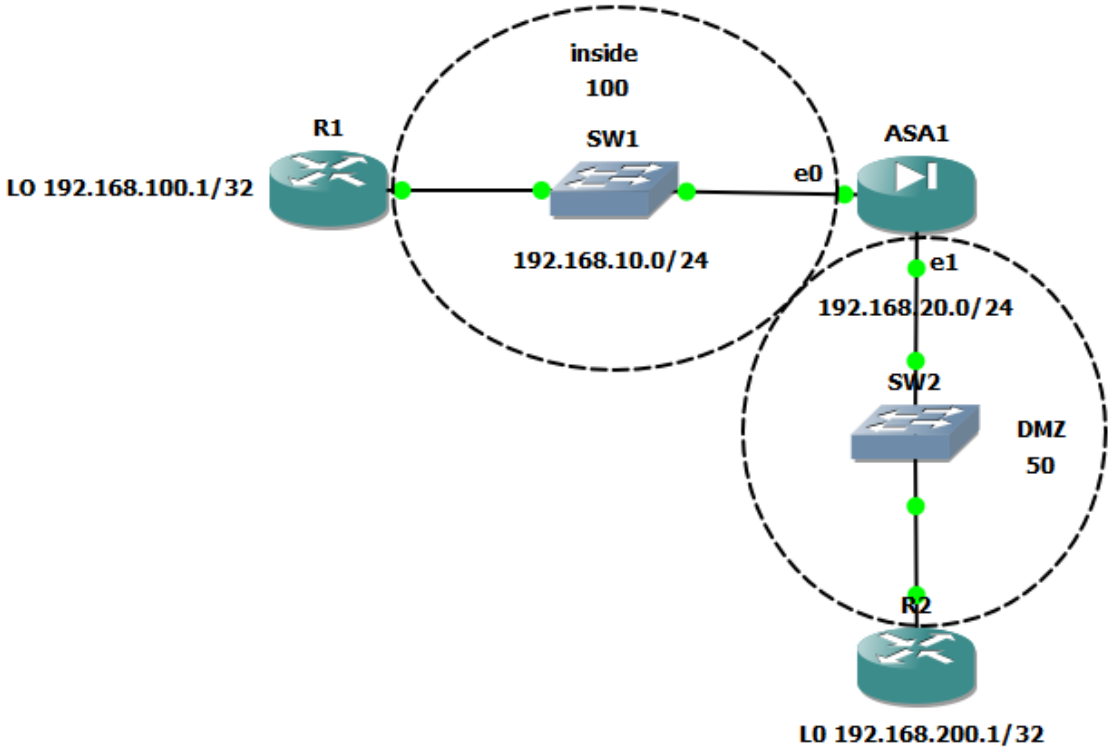
cấu hình DHCP SERVER với ASDM



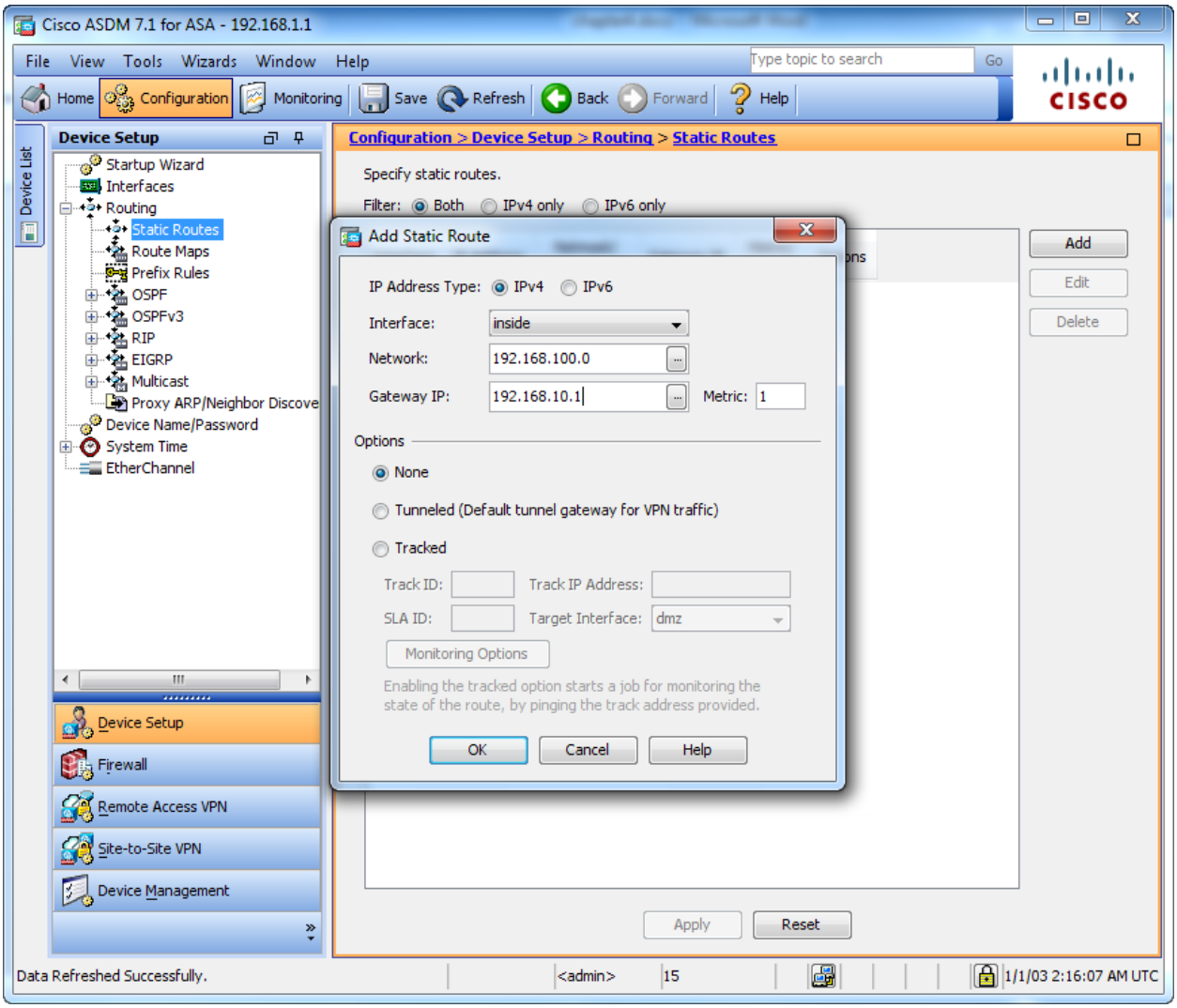
Cấu hình DHCP bằng dòng lệnh

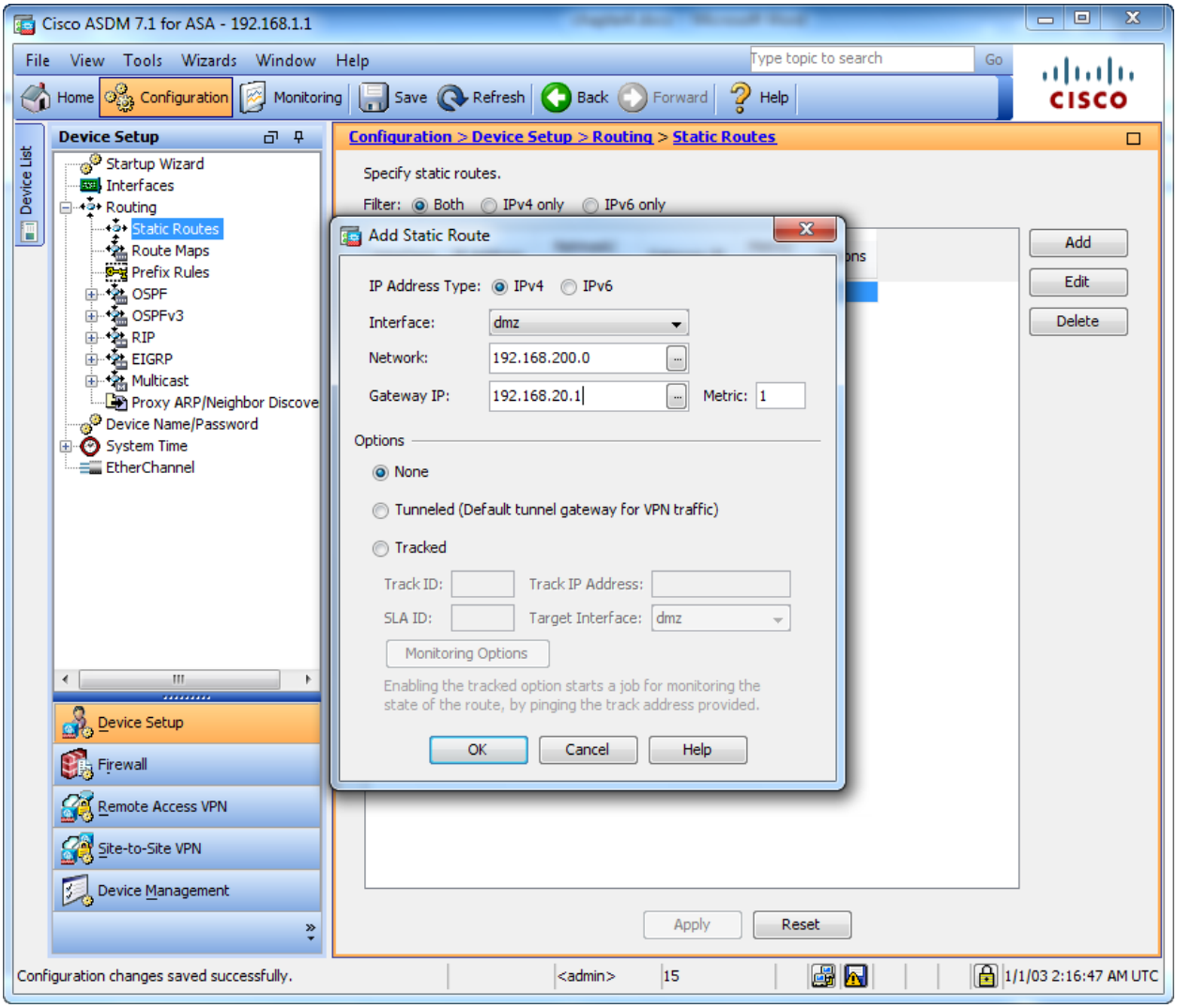


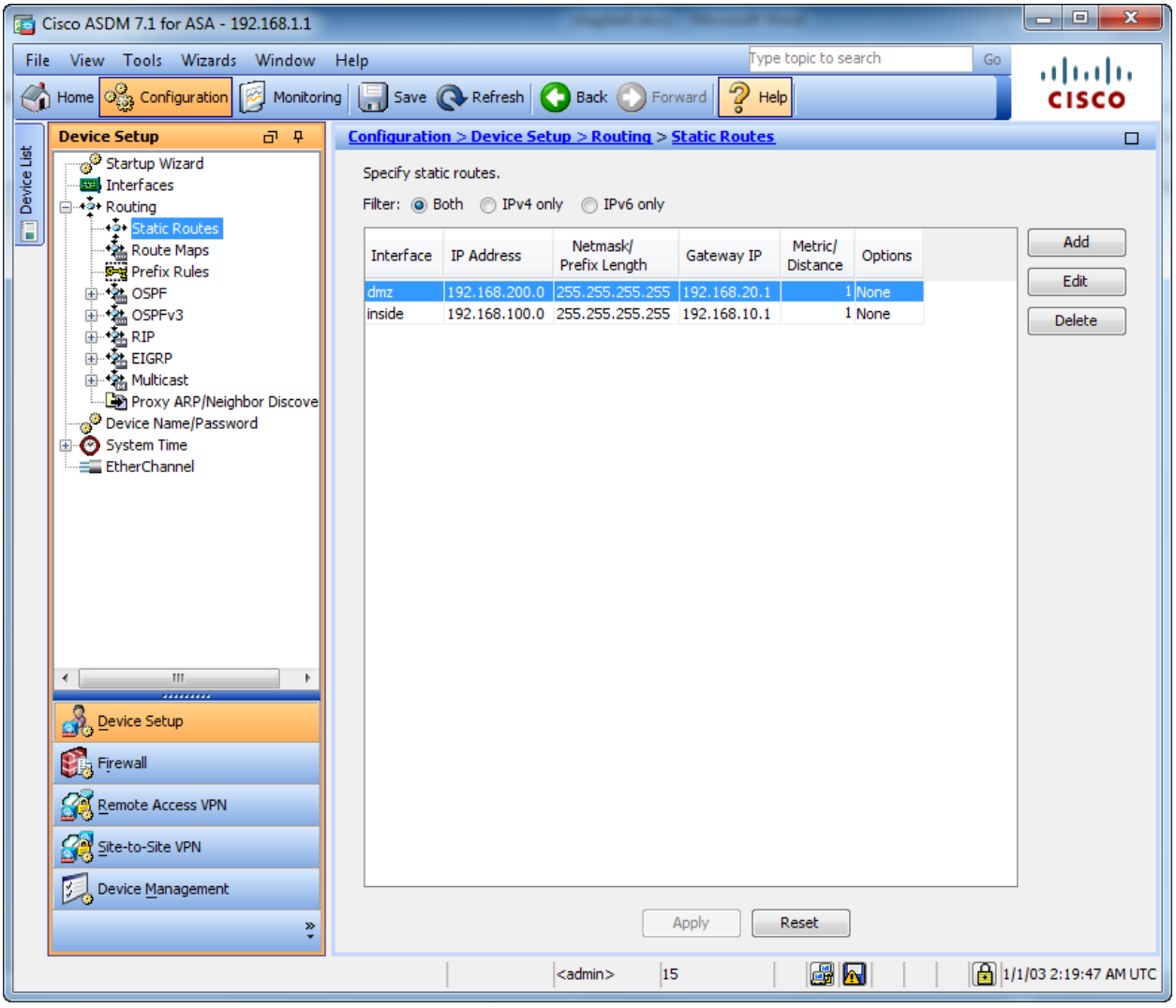
Mô hình mạng


inside
100
R1
SW1
ASA1
LO 192.168.100.1/32
e0
192.168.10.0/24
e1
192.168.20.0/24
SW2
DMZ
50
R2
LO 192.168.200.1/32

Cấu hình static route với ASDM




Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
Device List
Device Setup
Startup Wizard
Interfaces
Routing
Static Routes
Route Maps
Prefix Rules
OSPF
OSPFv3
RIP
EIGRP
Multicast
Proxy ARP/Neighbor Discove
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > Static Routes
Specify static routes.
Filter: Both IPv4 only IPv6 only
Add
Edit
Delete
Apply
Reset
Add Static Route
IP Address Type: IPv4 IPv6
Interface: dmz
Network: 192.168.200.0
Gateway IP: 192.168.20.1
Metric: 1
Options
None
Tunneled (Default tunnel gateway for VPN traffic)
Tracked
Track ID:
Track IP Address:
SLA ID:
Target Interface: dmz
Monitoring Options
Enabling the tracked option starts a job for monitoring the state of the route, by pinging the track address provided.
OK
Cancel
Help
Configuration changes saved successfully.
<admin>
15
1/1/03 2:16:47 AM UTC


Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
CISCO
Device List
Device Setup
Startup Wizard
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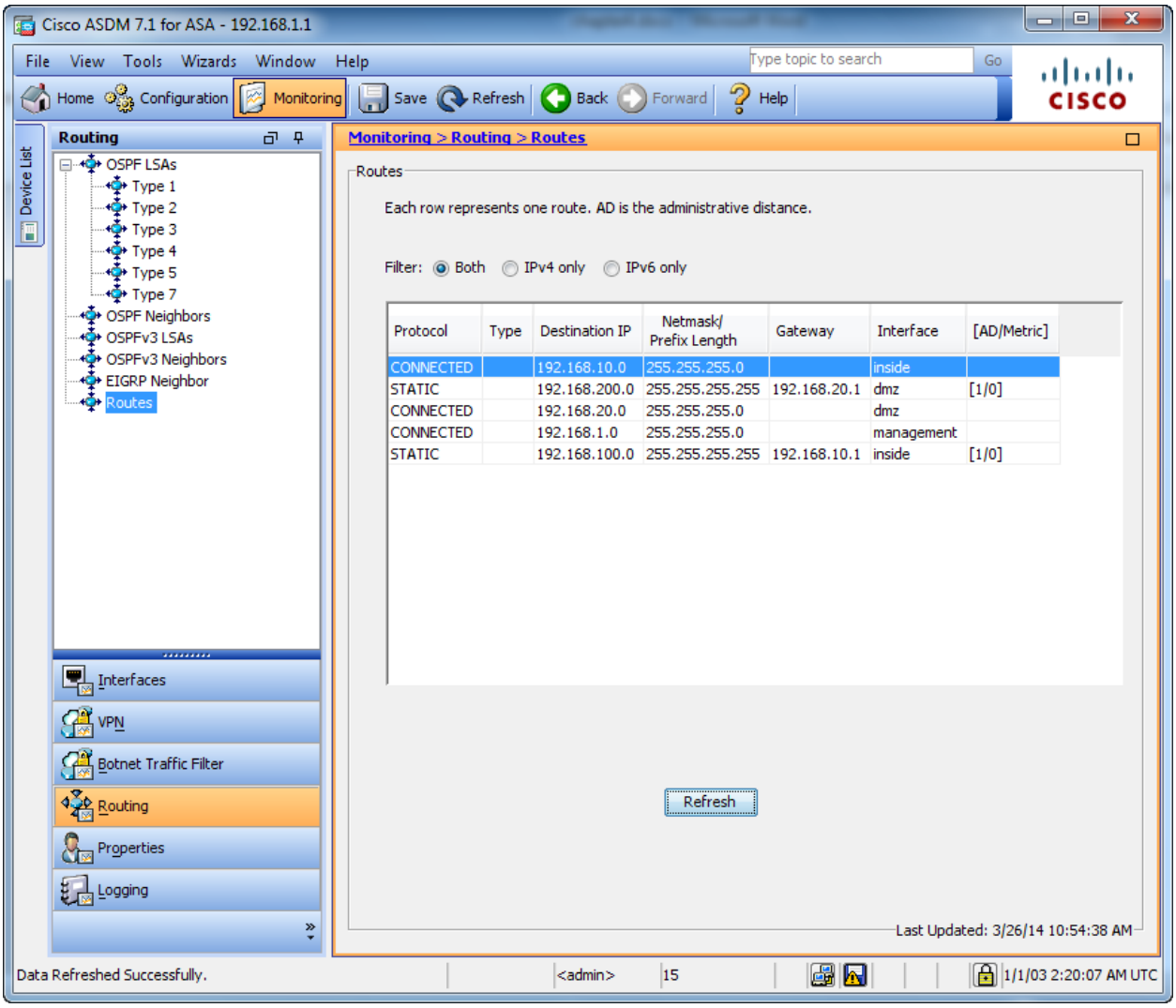
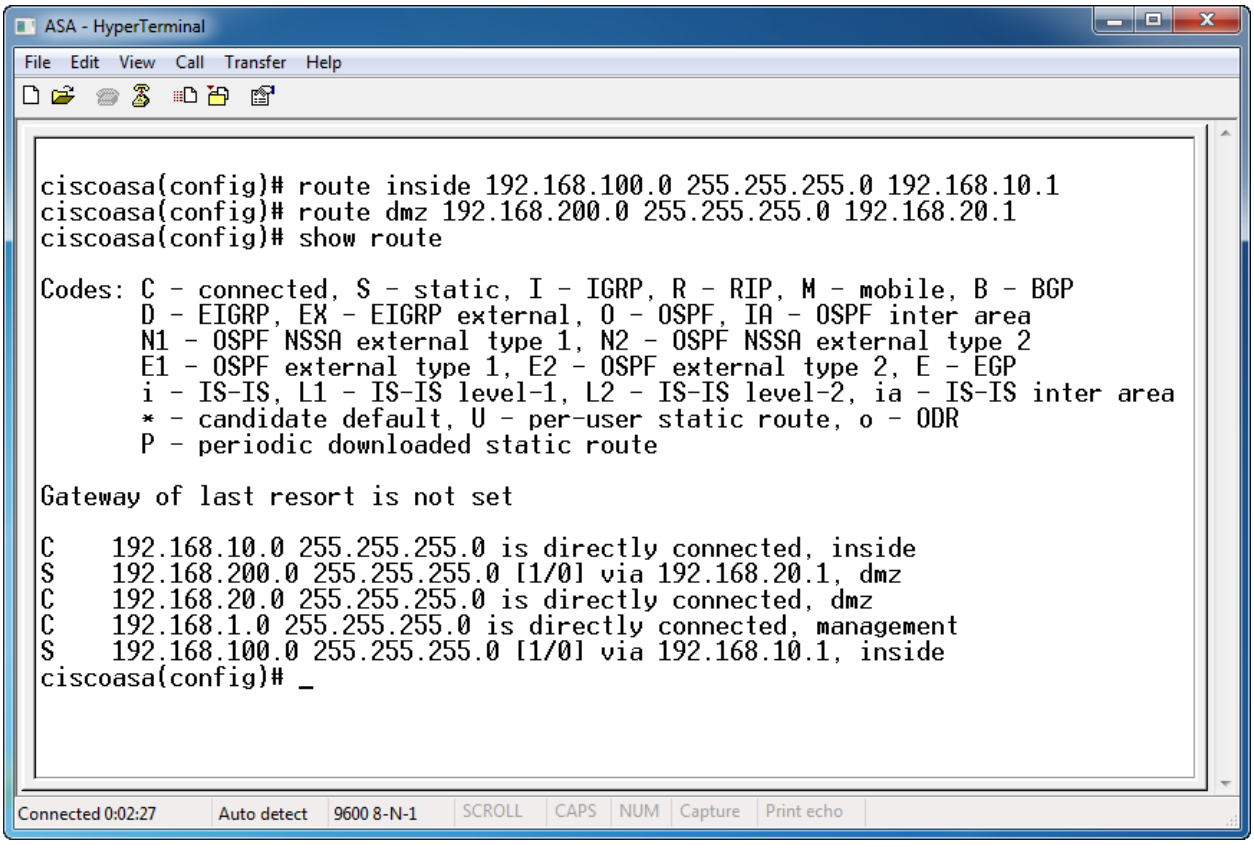
Proxy ARP/Neighbor Discove
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > Static Routes
Specify static routes.
Filter: Both IPv4 only IPv6 only
Interface IP Address Netmask/ Prefix Length Gateway IP Metric/ Distance Options
dmz 192.168.200.0 255.255.255.255 192.168.20.1 1 None
inside 192.168.100.0 255.255.255.255 192.168.10.1 1 None
Add
Edit
Delete
Apply
Reset
<admin>
15
1/1/03 2:19:47 AM UTC

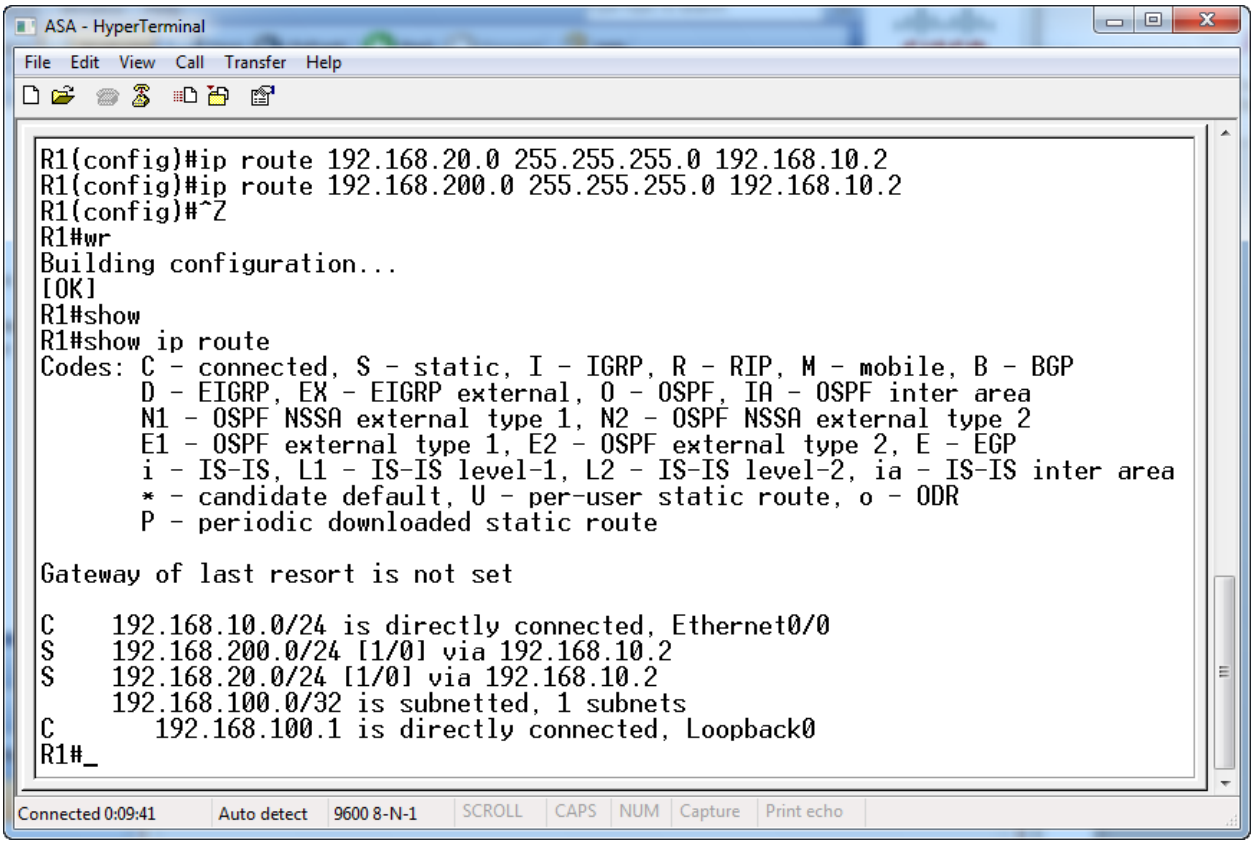
Kiểm tra static route



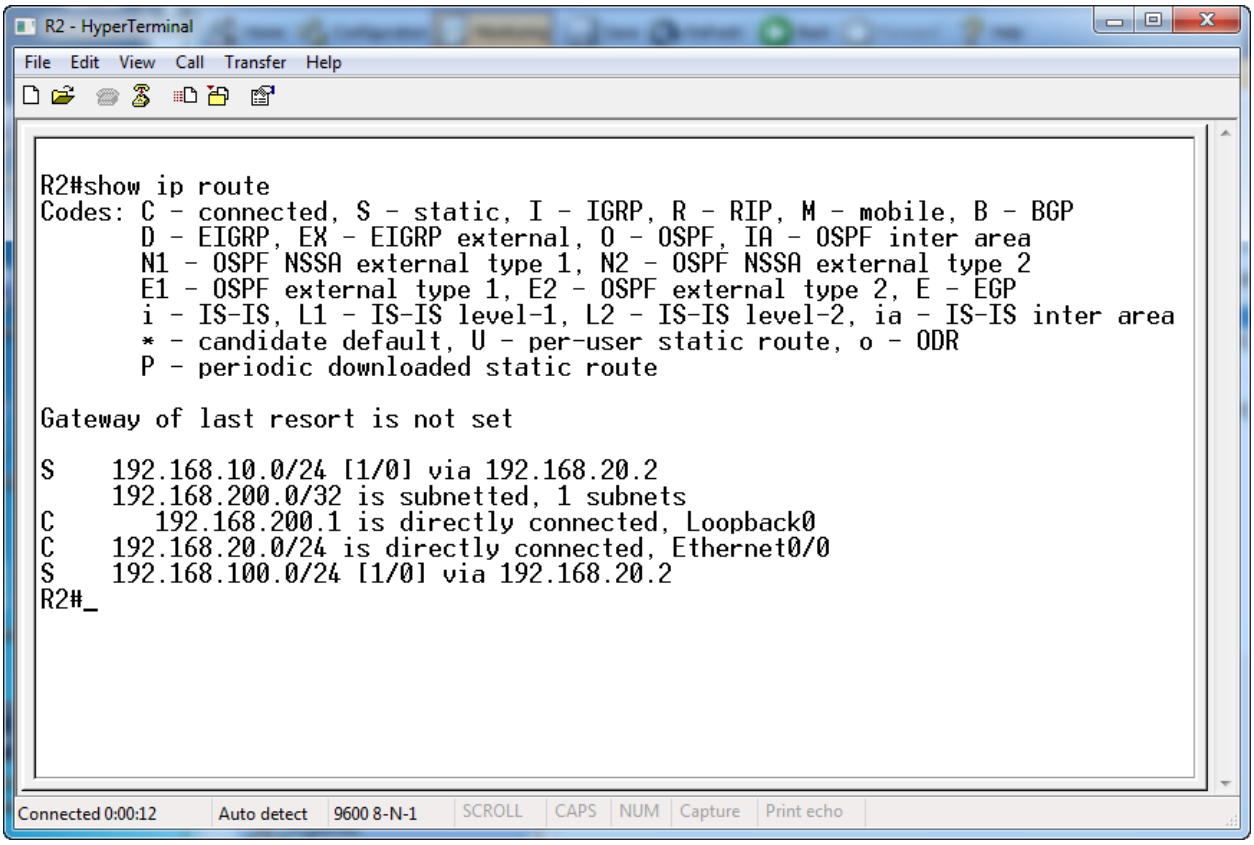
cấu hình và kiểm tra static route bằng dòng lệnh



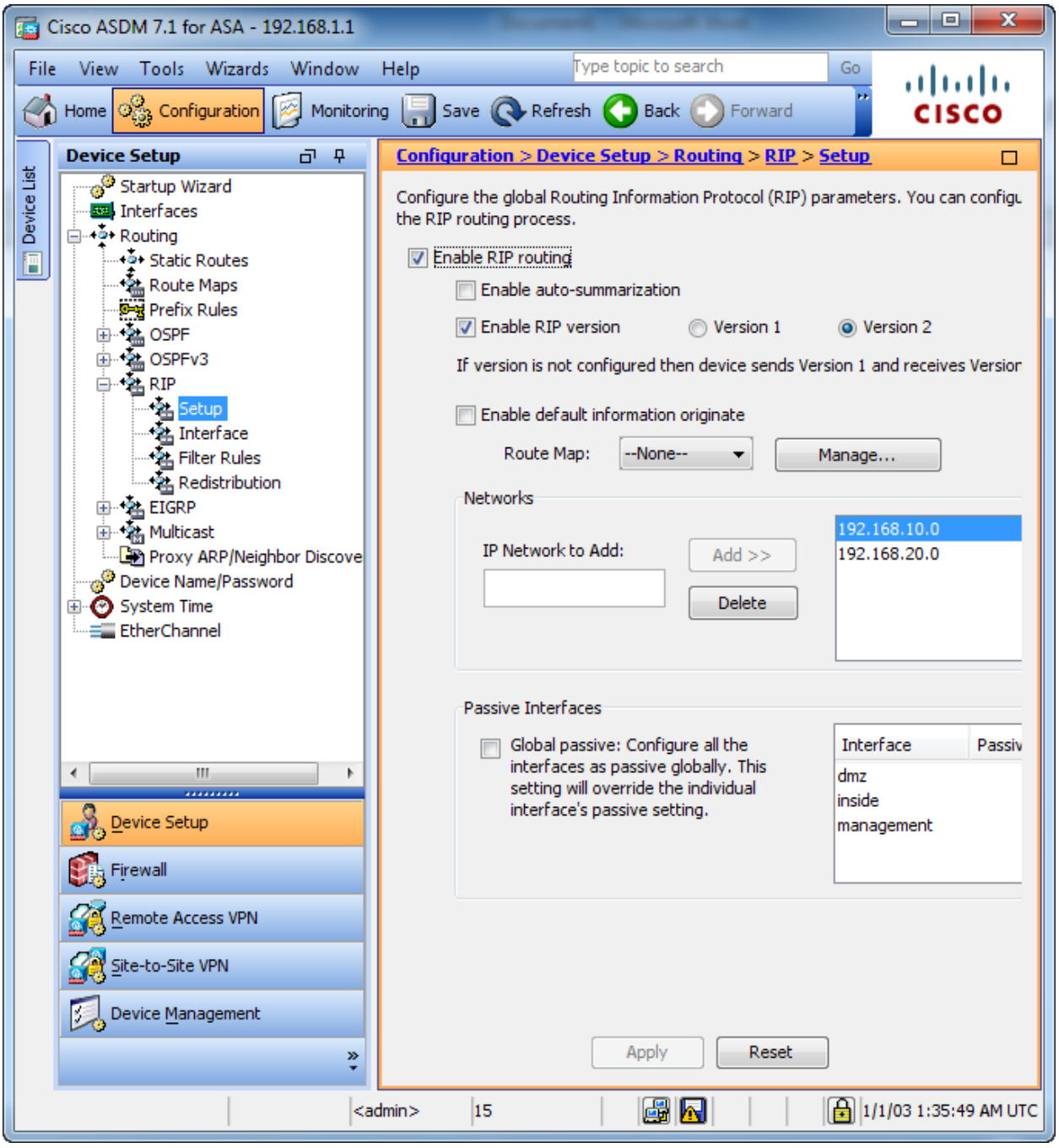
Kiểm tra static route trên R1



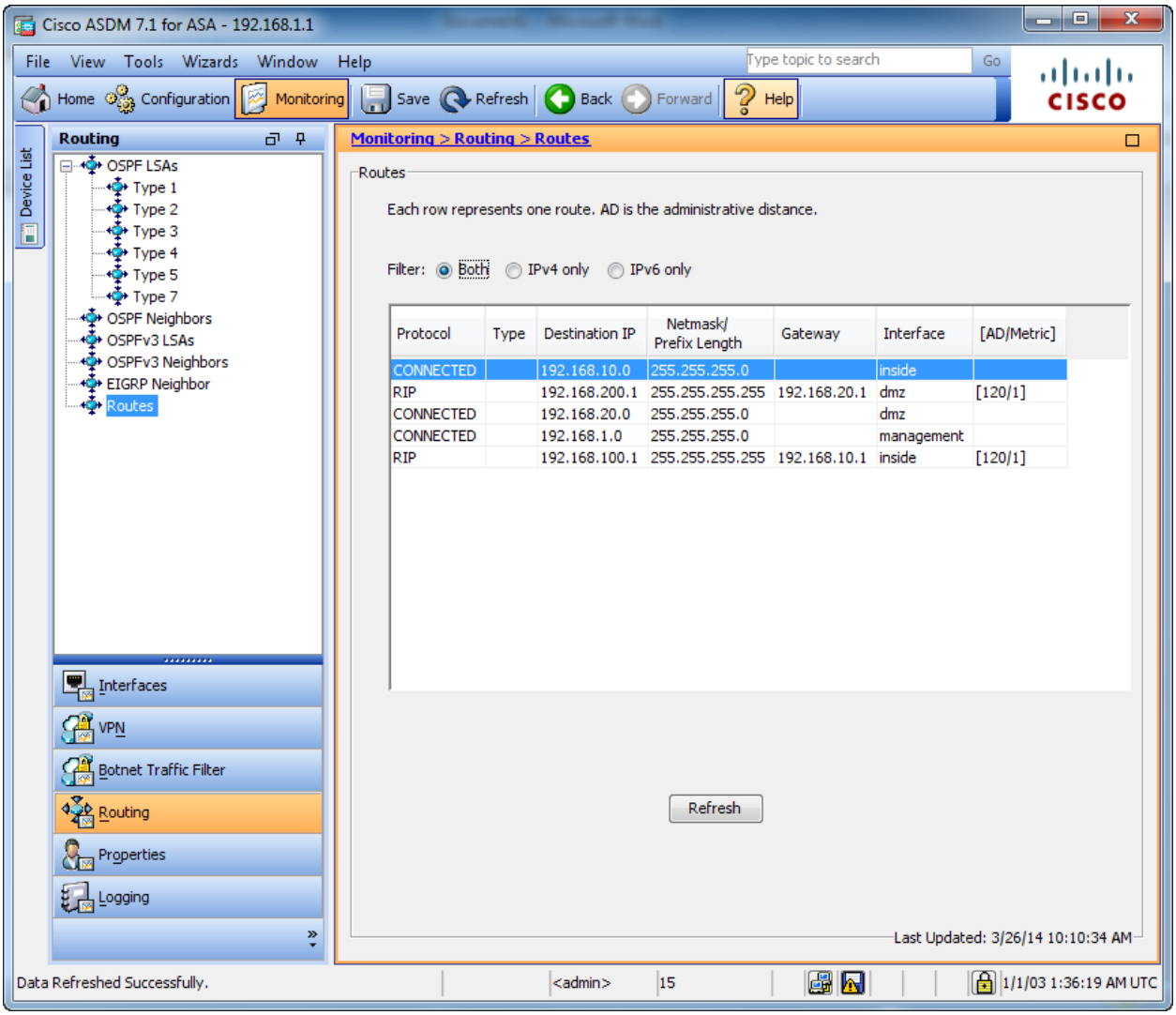
Kiểm tra static route trên R2



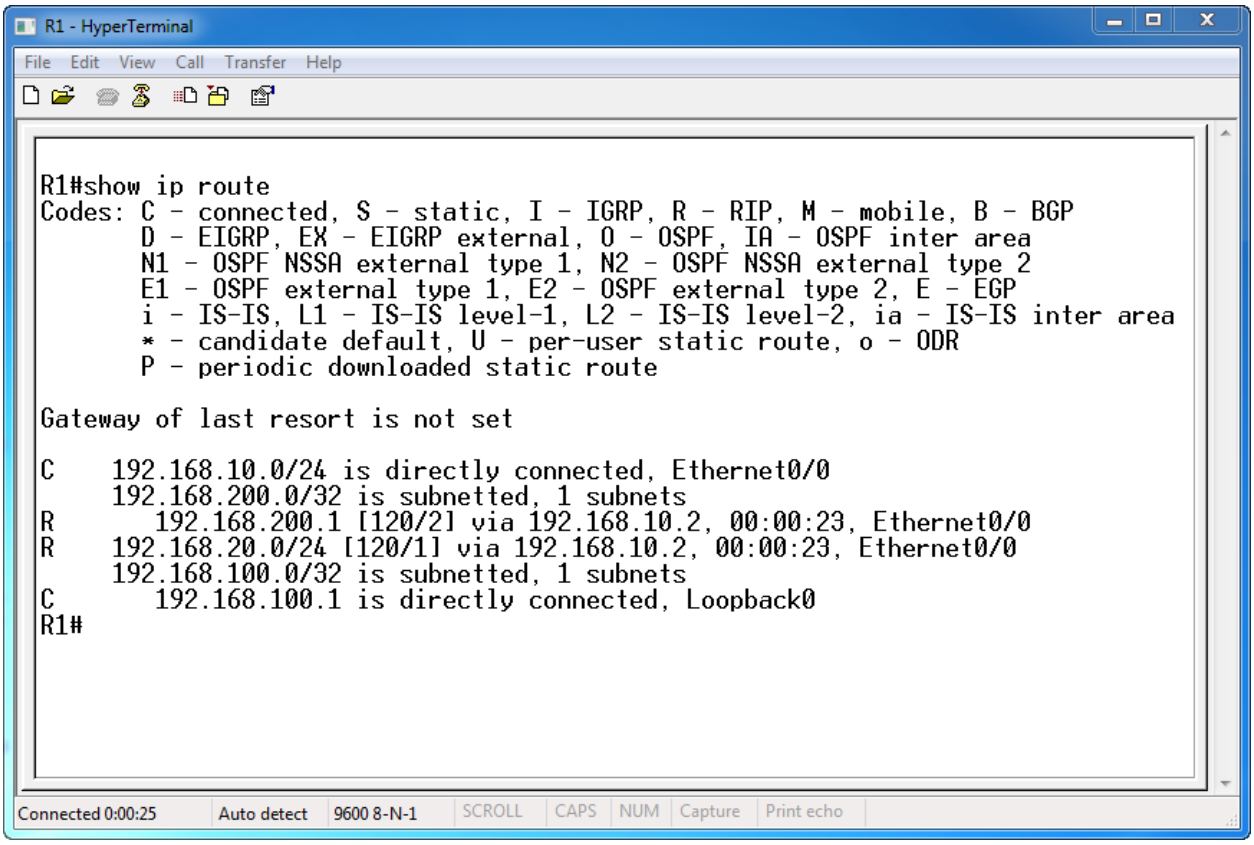
Cầu hình RIP với ASDM



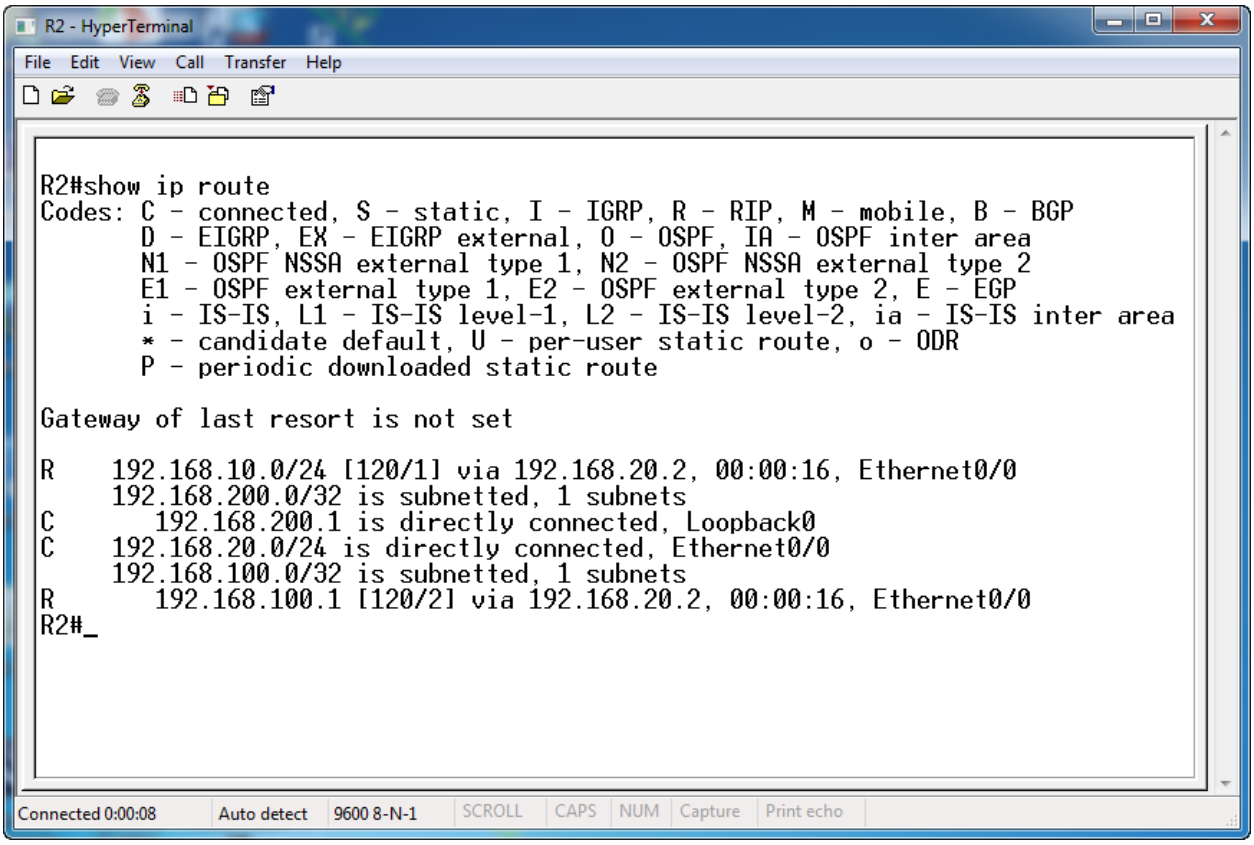
Kiểm tra route



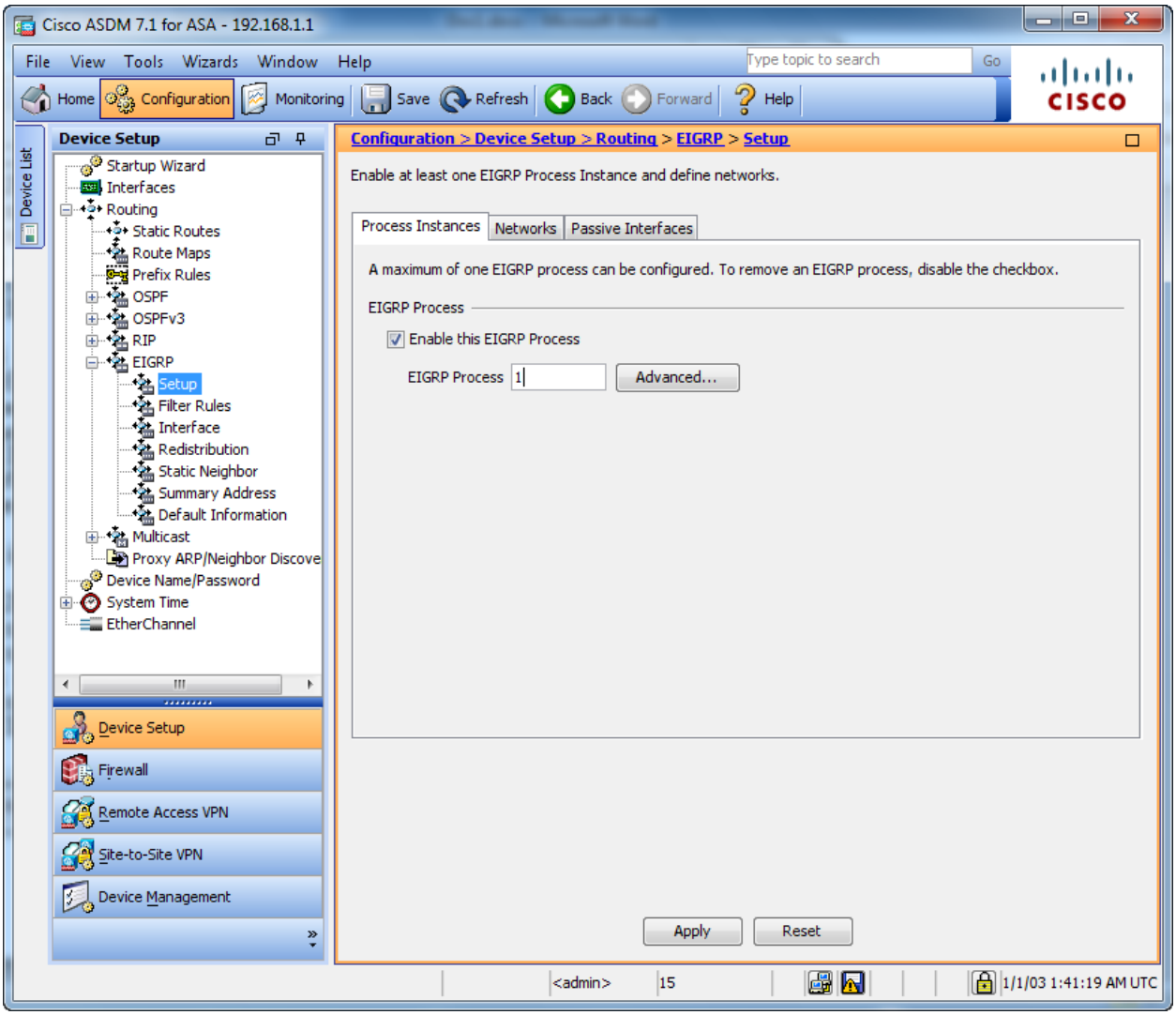
Kiểm tra route trên R1

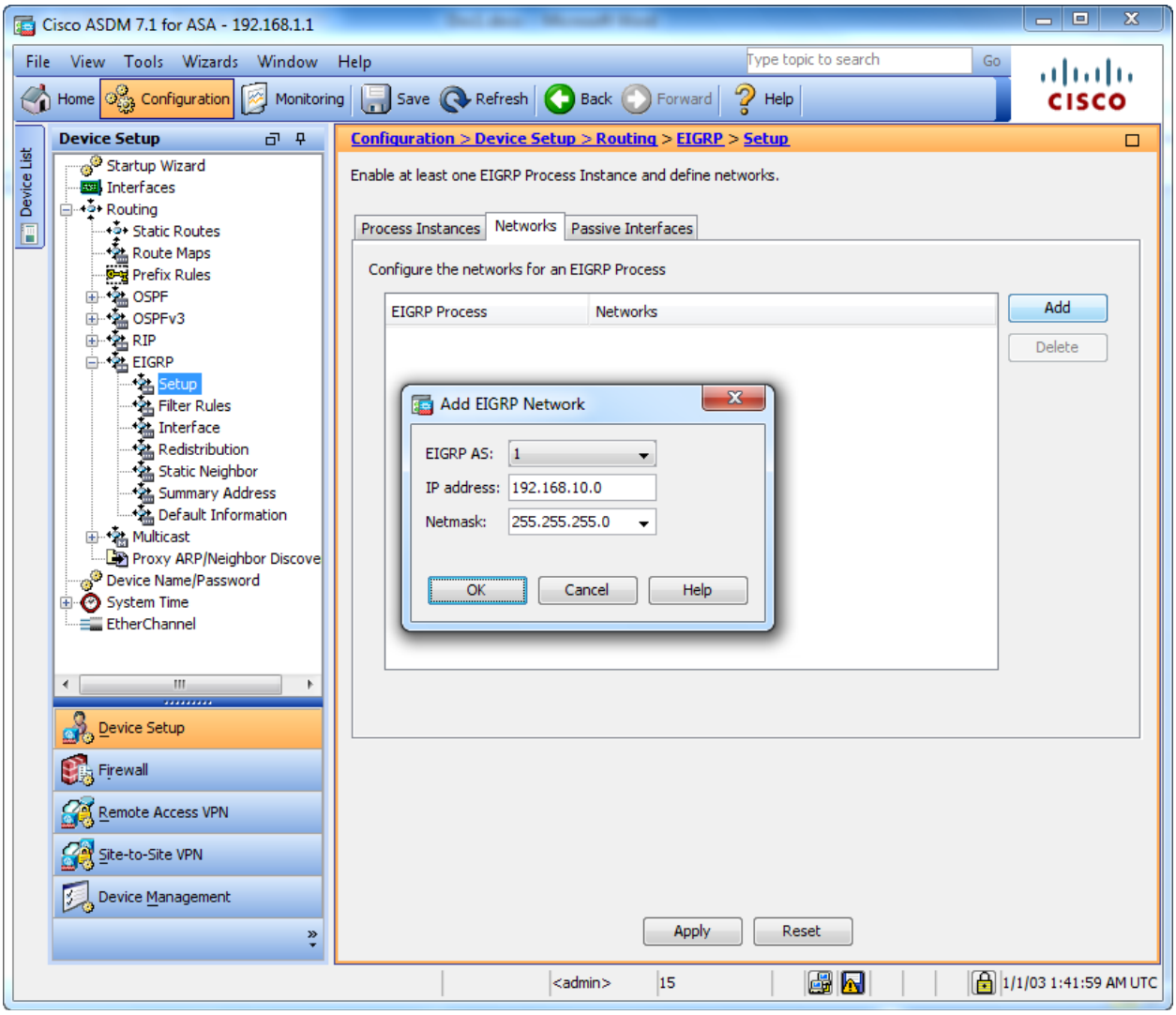


Kiểm tra route trên R2



Cấu hình EIGRP với ASDM




Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
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Home Configuration Monitoring Save Refresh Back Forward Help
cisco
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Startup Wizard
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Routing
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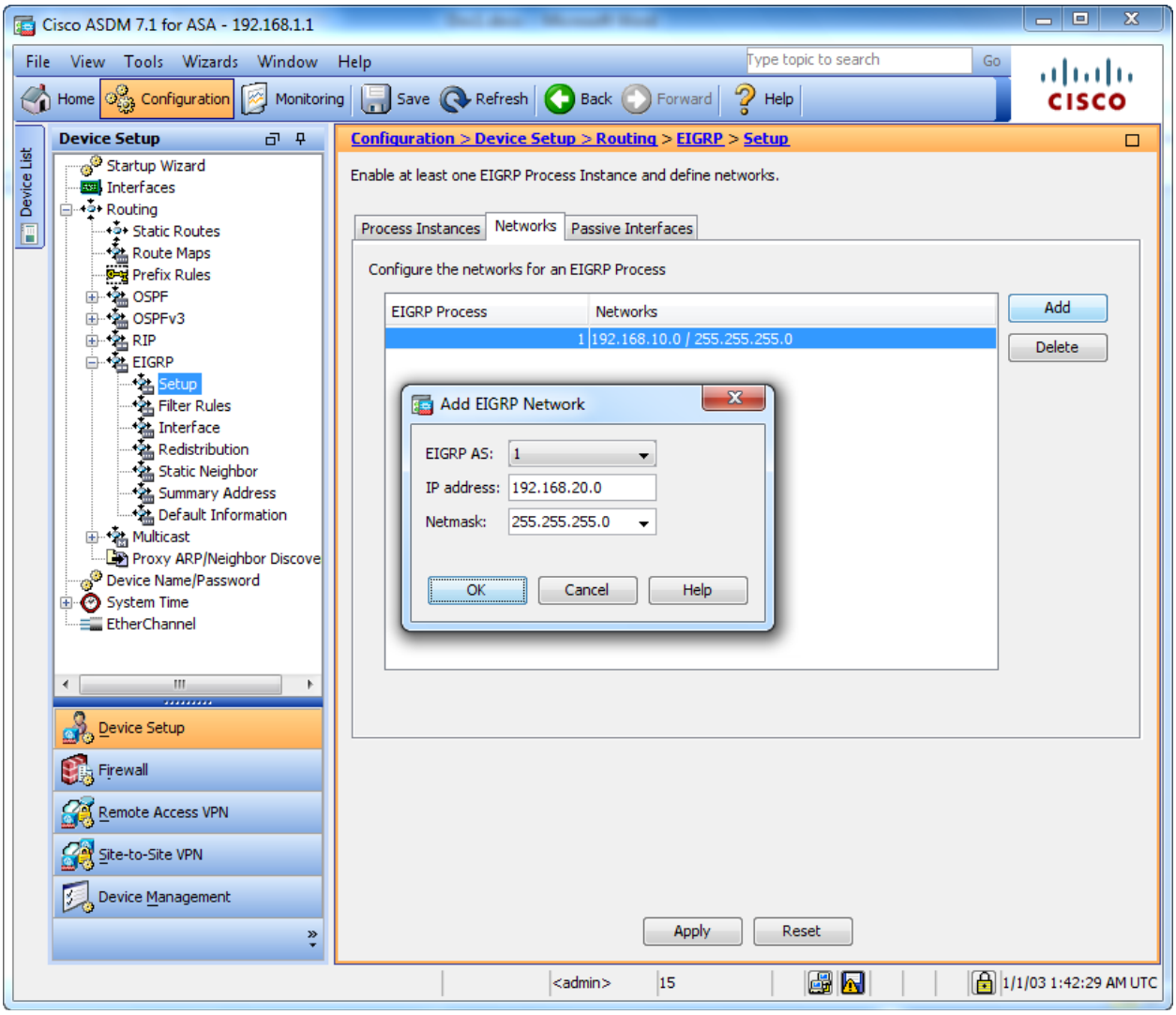
Route Maps
Prefix Rules
OSPF
OSPFv3
RIP
EIGRP
Setup
Filter Rules
Interface
Redistribution
Static Neighbor
Summary Address
Default Information
Multicast
Proxy ARP/Neighbor Discove
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > EIGRP > Setup
Enable at least one EIGRP Process Instance and define networks.
Process Instances
Networks
Passive Interfaces
Configure the networks for an EIGRP Process
EIGRP Process
Networks
Add
Delete
Add EIGRP Network
EIGRP AS: 1
IP address: 192.168.10.0
Netmask: 255.255.255.0
OK
Cancel
Help
Apply
Reset
<admin>
15
1/1/03 1:41:59 AM UTC


Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
cisco
Device List
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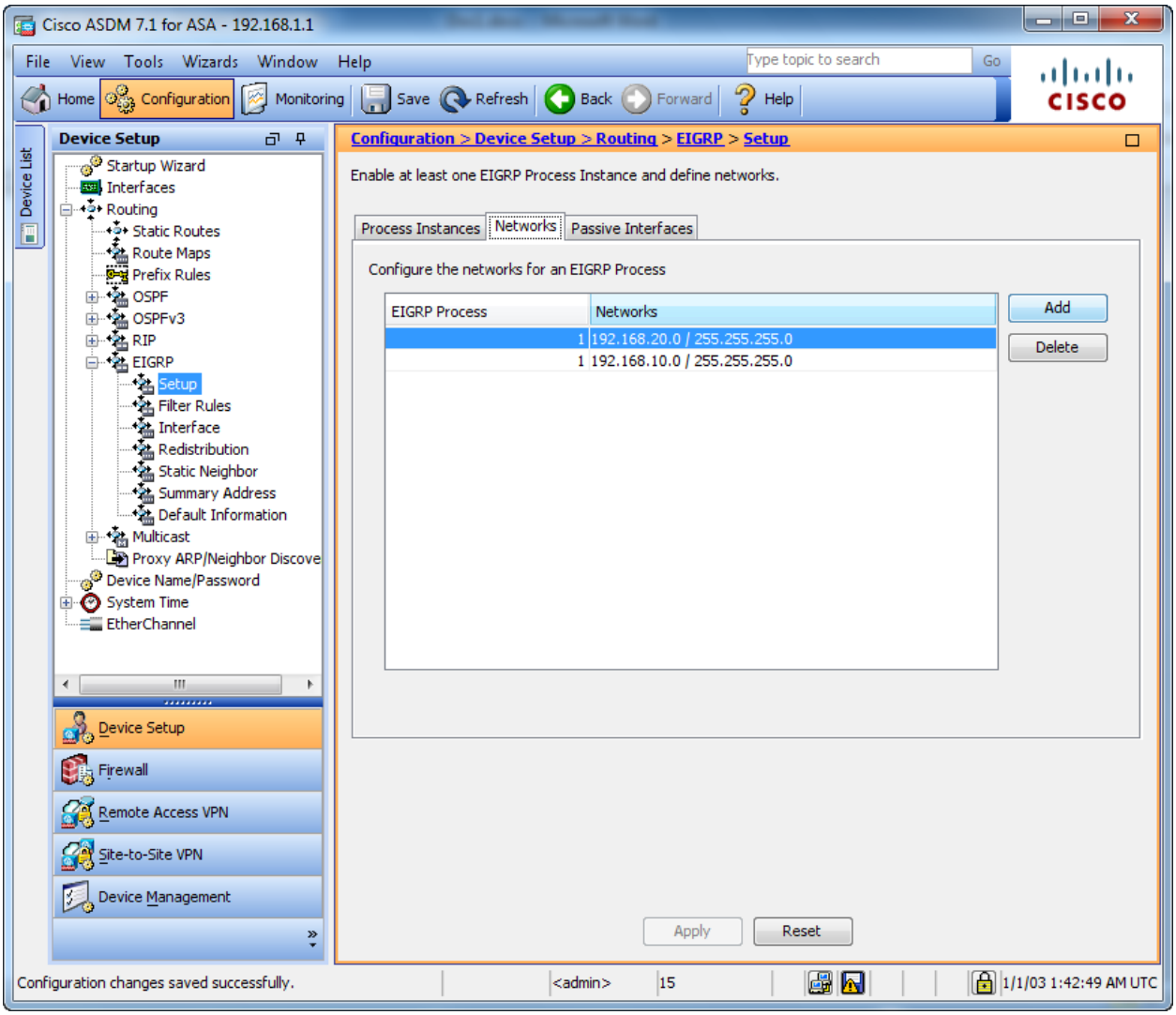
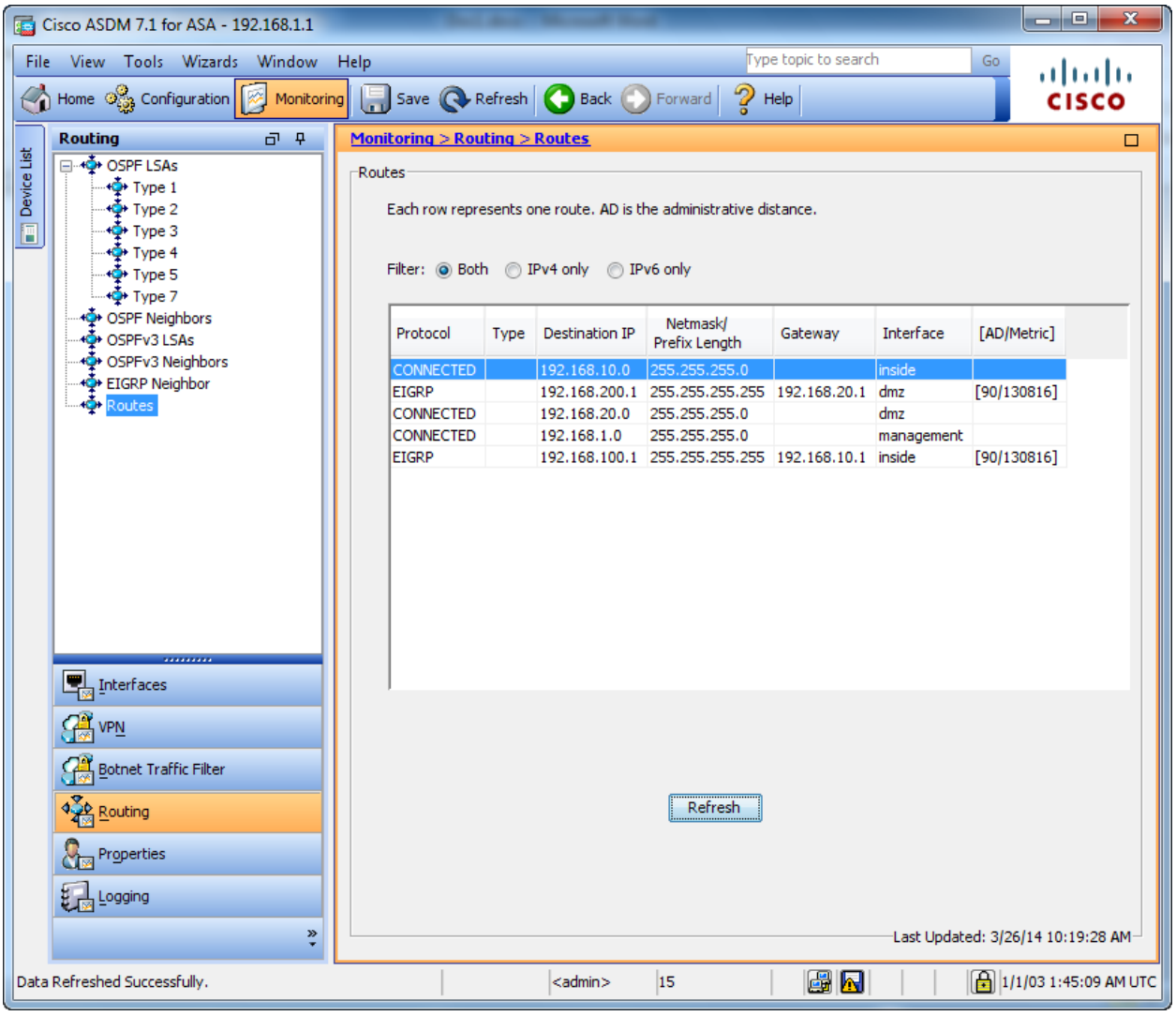
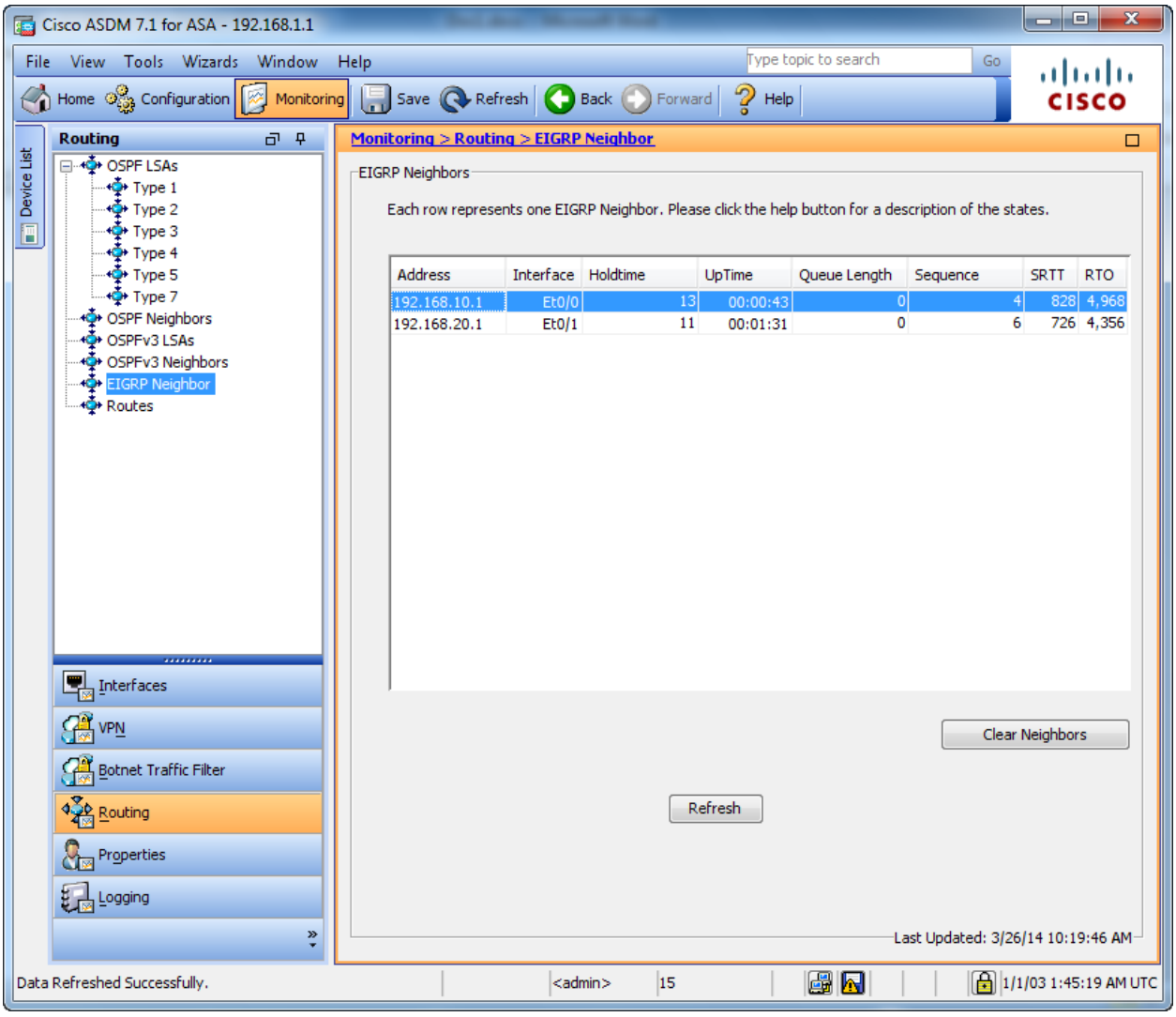
Filter Rules
Interface
Redistribution
Static Neighbor
Summary Address
Default Information
Multicast
Proxy ARP/Neighbor Discove
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > EIGRP > Setup
Enable at least one EIGRP Process Instance and define networks.
Process Instances
Networks
Passive Interfaces
Configure the networks for an EIGRP Process
EIGRP Process
Networks
1
192.168.10.0 / 255.255.255.0
Add
Delete
Add EIGRP Network
EIGRP AS:
1
IP address:
192.168.20.0
Netmask:
255.255.255.0
OK
Cancel
Help
Apply
Reset
<admin>
15
1/1/03 1:42:29 AM UTC


Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
cisco
Device List
Device Setup
Startup Wizard
Interfaces
Routing
Static Routes
Route Maps
Prefix Rules
OSPF
OSPFv3
RIP
EIGRP
Setup
Filter Rules
Interface
Redistribution
Static Neighbor
Summary Address
Default Information
Multicast
Proxy ARP/Neighbor Discove
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > EIGRP > Setup
Enable at least one EIGRP Process Instance and define networks.
Process Instances
Networks
Passive Interfaces
Configure the networks for an EIGRP Process
EIGRP Process
Networks
1 192.168.20.0 / 255.255.255.0
1 192.168.10.0 / 255.255.255.0
Add
Delete
Apply
Reset
Configuration changes saved successfully.
<admin>
15
1/1/03 1:42:49 AM UTC

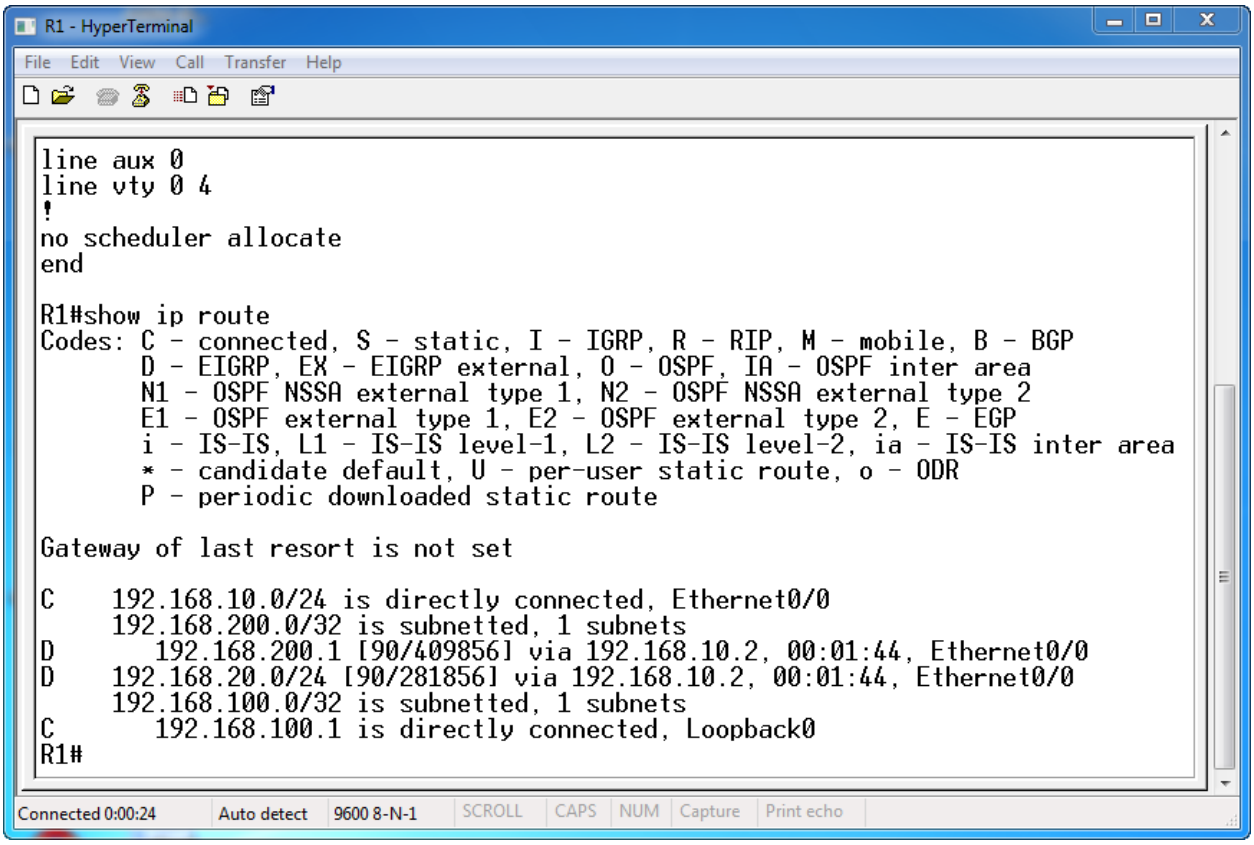
Kiểm tra route



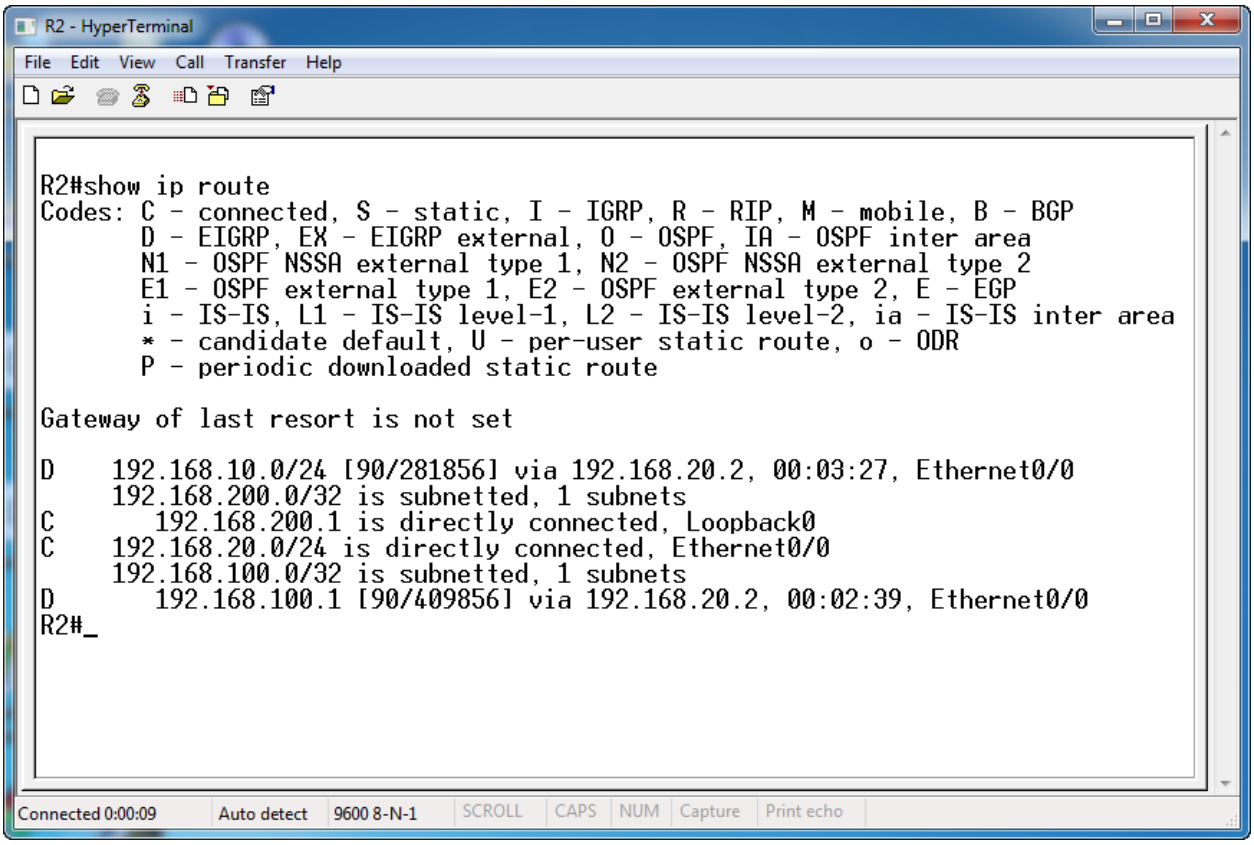
Kiểm tra láng giềng



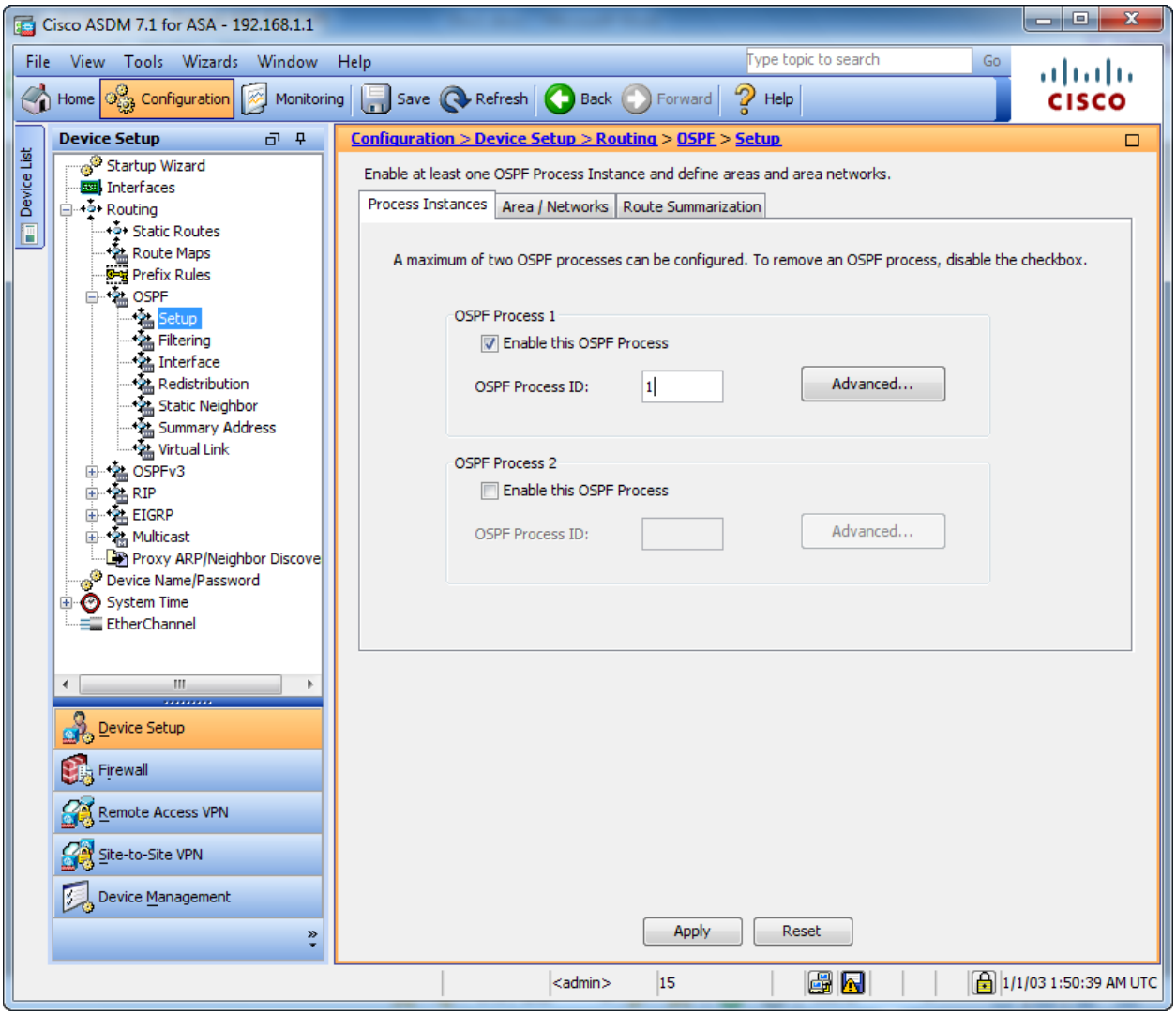
Kiểm tra route trên R1

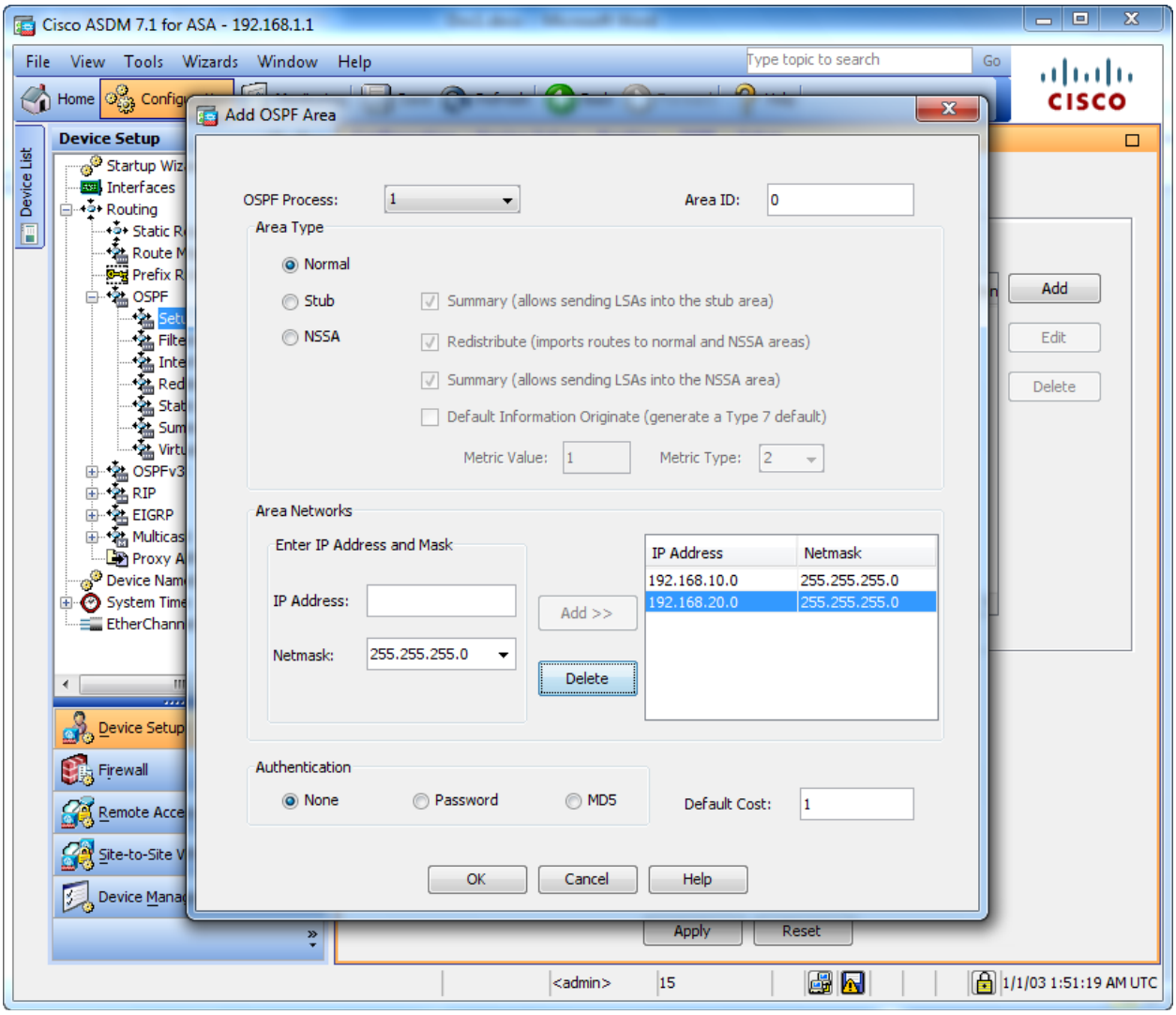


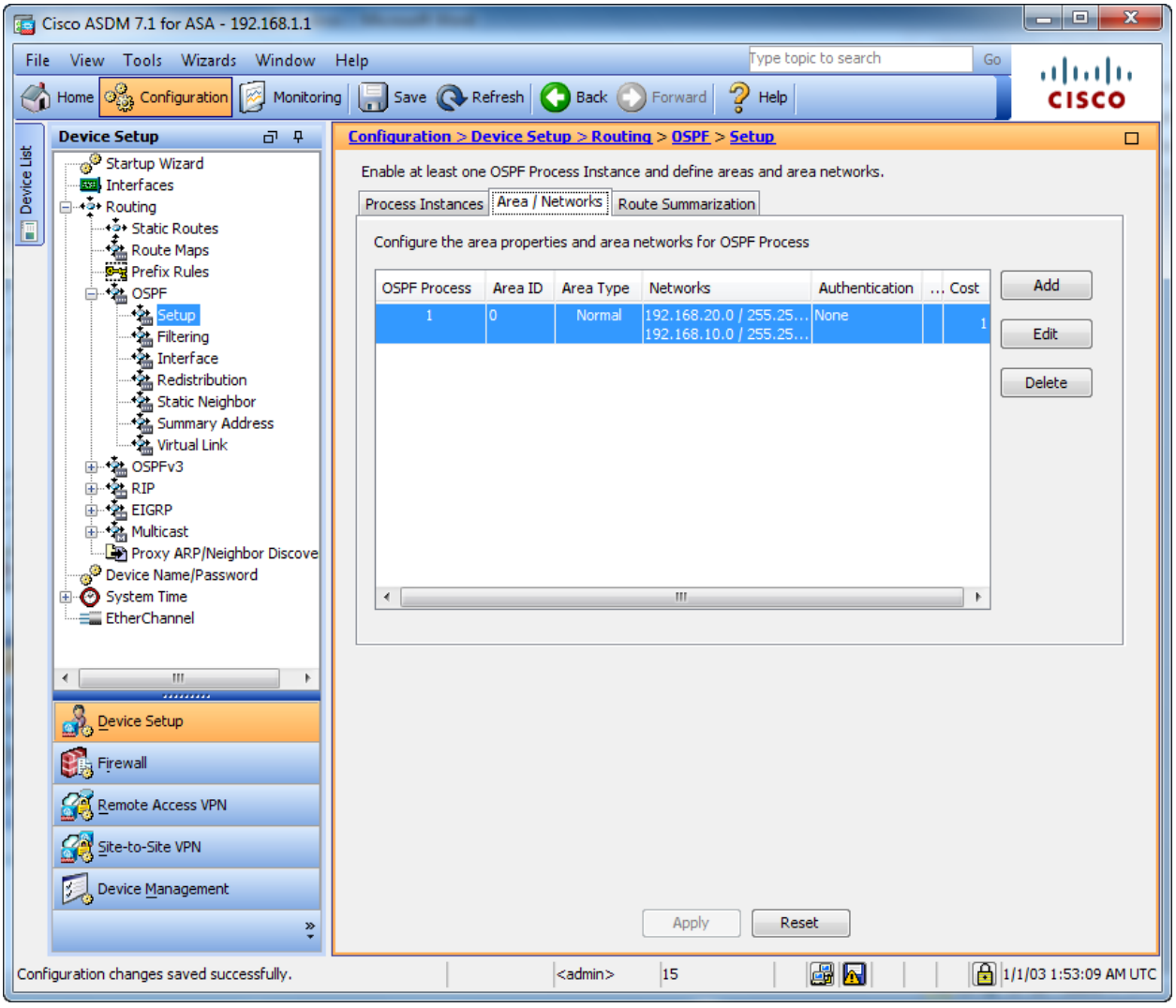
Kiểm tra route trên R2



Cấu hình OSPF với ASDM




Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home
Device Setup
Device List
Startup Wiz
Interfaces
Routing
Static R
Route M
Prefix R
OSPF
Filte
Inte
Red
Stat
Sum
Virtu
OSPFv3
RIP
EIGRP
Multicas
Proxy A
Device Nam
System Time
EtherChann
Device Setup
Firewall
Remote Acce
Site-to-Site V
Device Manag
Add OSPF Area
OSPF Process: 1
Area ID: 0
Area Type
Normal
Stub
NSSA
Summary (allows sending LSAs into the stub area)
Redistribute (imports routes to normal and NSSA areas)
Summary (allows sending LSAs into the NSSA area)
Default Information Originate (generate a Type 7 default)
Metric Value: 1
Metric Type: 2
Area Networks
Enter IP Address and Mask
IP Address:
Netmask: 255.255.255.0
Add >>
Delete
IP Address
Netmask
192.168.10.0
255.255.255.0
192.168.20.0
255.255.255.0
Authentication
None
Password
MD5
Default Cost: 1
OK
Cancel
Help
Add
Edit
Delete
Apply
Reset
<admin>
15
1/1/03 1:51:19 AM UTC


Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
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Home Configuration Monitoring Save Refresh Back Forward Help
cisco
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Device Setup
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Summary Address
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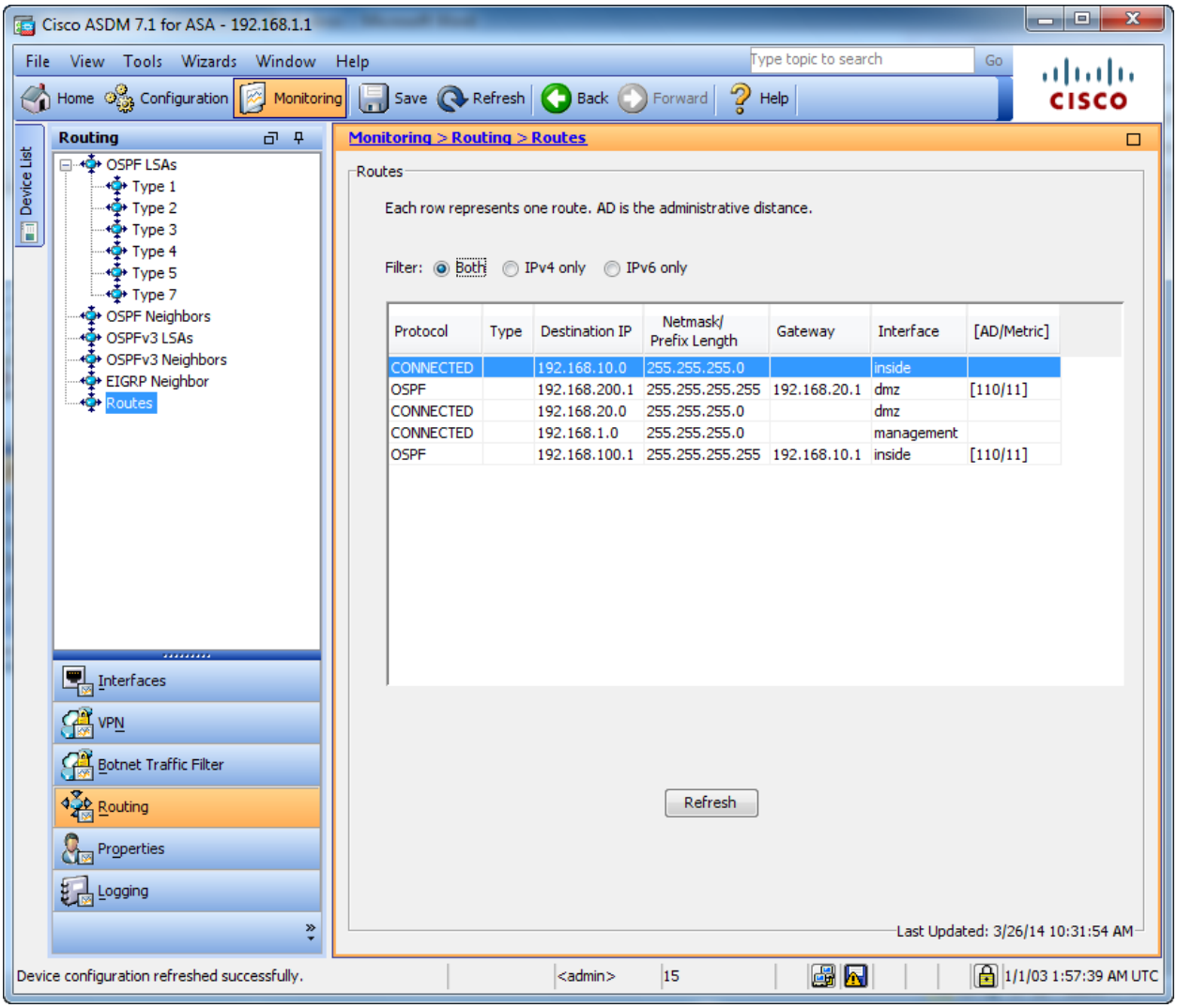
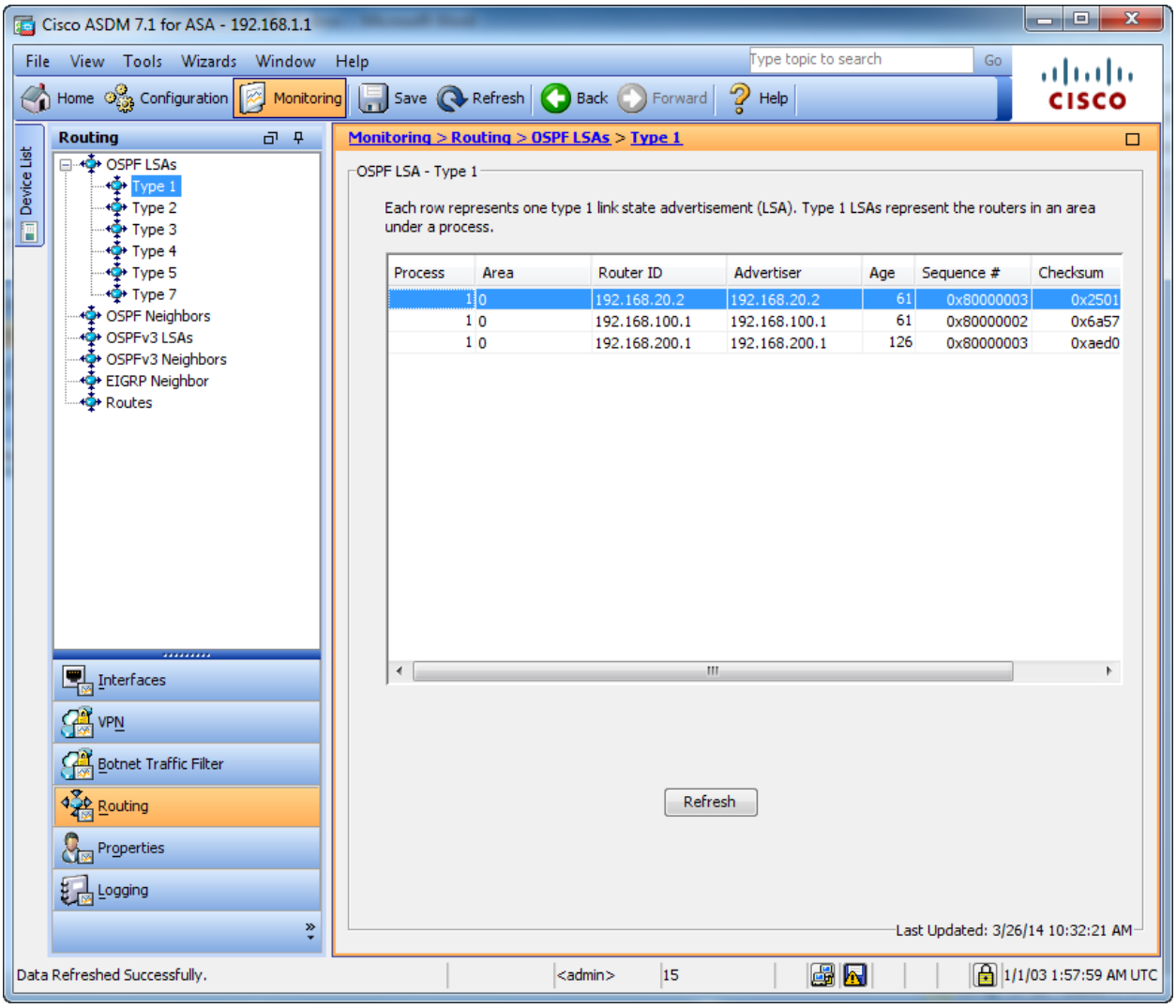
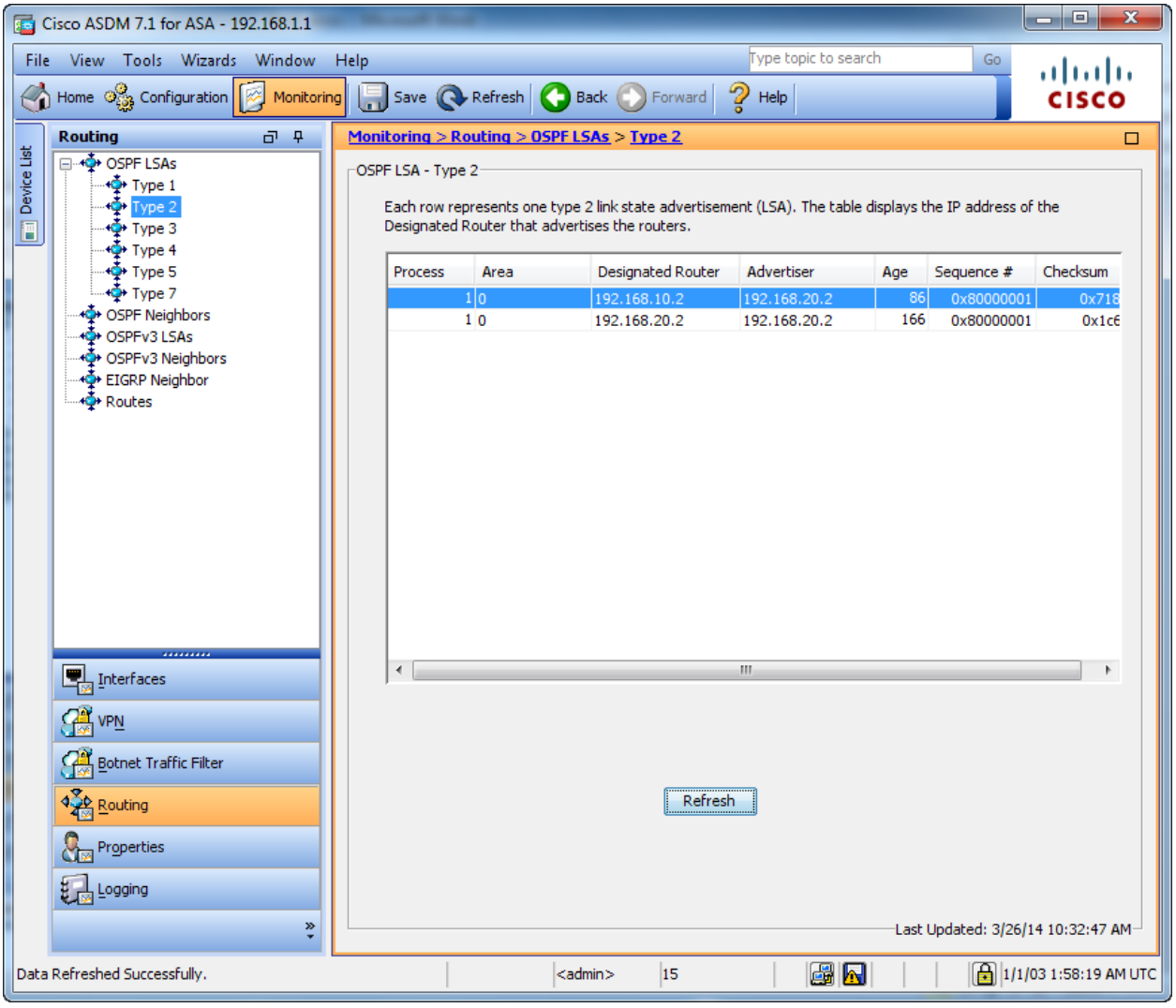
Device Name/Password
System Time
EtherChannel
Device Setup
Firewall
Remote Access VPN
Site-to-Site VPN
Device Management
Configuration > Device Setup > Routing > OSPF > Setup
Enable at least one OSPF Process Instance and define areas and area networks.
Process Instances
Area / Networks
Route Summarization
Configure the area properties and area networks for OSPF Process
OSPF Process
Area ID
Area Type
Networks
Authentication
... Cost
1
0
Normal
192.168.20.0 / 255.25...
192.168.10.0 / 255.25...
None
1
Add
Edit
Delete
Apply
Reset
Configuration changes saved successfully.
<admin>
15
1/1/03 1:53:09 AM UTC

Kiểm tra route

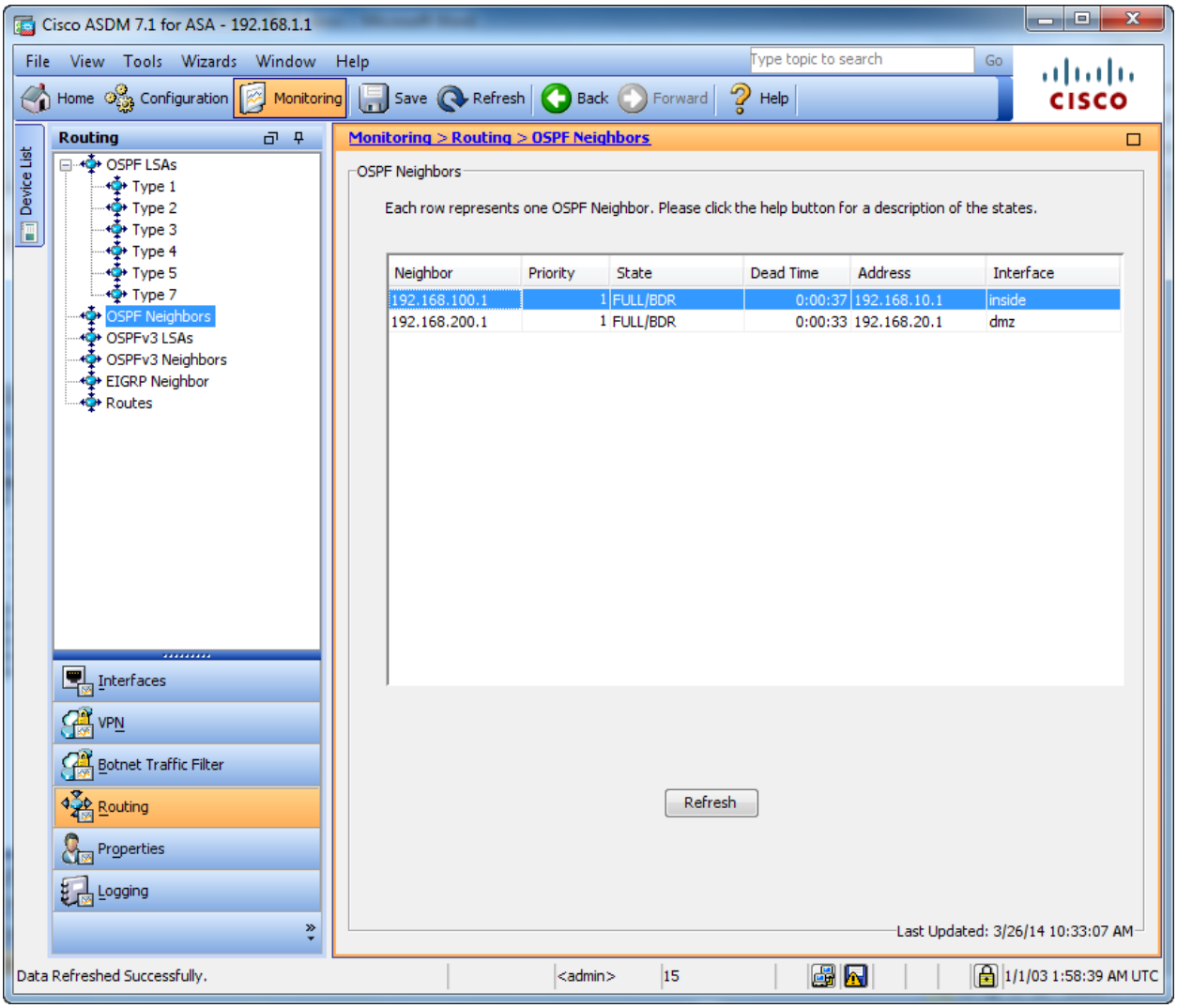


Kiểm tra các type của LSAs

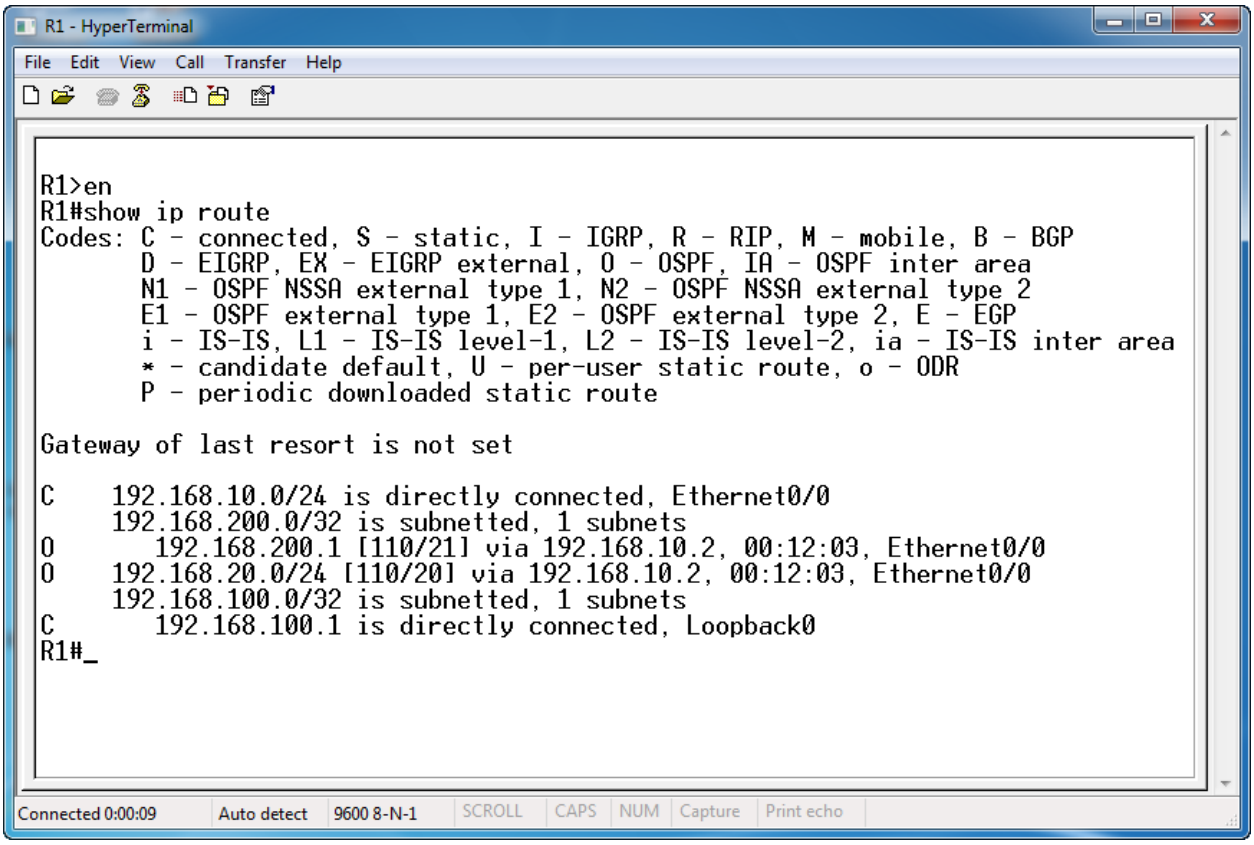



Cisco ASDM 7.1 for ASA - 192.168.1.1
File View Tools Wizards Window Help
Type topic to search
Go
Home Configuration Monitoring Save Refresh Back Forward Help
cisco
Device List
Routing
OSPF LSAs
Type 1
Type 2
Type 3
Type 4
Type 5
Type 7
OSPF Neighbors
OSPFv3 LSAs
OSPFv3 Neighbors
EIGRP Neighbor
Routes
Interfaces
VPN
Botnet Traffic Filter
Routing
Properties
Logging
Monitoring > Routing > OSPF LSAs > Type 2
OSPF LSA - Type 2
Each row represents one type 2 link state advertisement (LSA). The table displays the IP address of the Designated Router that advertises the routers.
Process Area Designated Router Advertiser Age Sequence # Checksum
1 0 192.168.10.2 192.168.20.2 86 0x80000001 0x718
1 0 192.168.20.2 192.168.20.2 166 0x80000001 0x1c6
Refresh
Last Updated: 3/26/14 10:32:47 AM
Data Refreshed Successfully.
<admin>
15
1/1/03 1:58:19 AM UTC

Kiểm tra láng giềng



Kiểm tra route bằng dòng lệnh trên R1



kiểm tra route trên R2