

## Modulo # 12 – Laboratorio 12.6.6

The screenshot shows the Cisco Packet Tracer interface. On the left, a network diagram features a central router R1 connected to a cloud (2001.db8:1:a001::64) and two switches. The switches are connected to six PCs labeled Sales, Billing, Accounting, Design, Engineering, and CAD. The switches have IP addresses 2001.db8:1:1::64 and 2001.db8:1:2::64. On the right, the CLI of router R1 is open, displaying the following configuration:

```
IOS Command Line Interface
R1>enable
R1#config t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#ipve unic
R1(config)#ipve unicast-routing
R1(config)#int g0/0
R1(config-if)#ip address 2001.db8:1:1::1/64
R1(config-if)#ip address fe80::1 link-local
R1(config-if)#no shutdown
R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
R1(config-if)#
```

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```



Sat Jul 19 19:03:40

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 605, y 362

Accounting

Desktop Programming

IP Configuration

Static

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

IPv6 Configuration

Static

IPv6 Address

Link Local Address

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

Username

Password

Tip

Time: 00:13:32

Scenario 0

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

Realtime Simulation

14:31:00

Sat Jul 19 19:04:29

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 608, y 296

CAD

Desktop Programming

IP Configuration

Static

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

IPv6 Configuration

Static

IPv6 Address

Link Local Address

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

Username

Password

Tip

Time: 00:14:21

Scenario 0

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

Realtime Simulation

14:31:00

Sat Jul 19 19:06:06 1 2.72 KB/s 2.3% 48.0% en 100%

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 653 v 243 Root 16:07:00

Sales Billing Accounting Design Engineering CAD

2001:db8:1:1::/64 R1 2001:db8:1:2::/64

2001:db8:1:a001::/64

Sales

Desktop Programming

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address

Subnet Mask

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address 2001:db8:1:1:2 / 64

Link Local Address

Default Gateway fe80::1

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Tip

Time: 00:15:56

Scenario 0

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

Realtime Simulation

Sat Jul 19 19:06:56 1 0.00 B/s 4.2% 48.5% en 100%

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 648 v 239 Root 16:57:00

Sales Billing Accounting Design Engineering CAD

2001:db8:1:1::/64 R1 2001:db8:1:2::/64

2001:db8:1:a001::/64

Engineering

Desktop Programming

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address

Subnet Mask

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address 2001:db8:1:2:3 / 64

Link Local Address

Default Gateway fe80::1

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Tip

Time: 00:16:45

Scenario 0

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

Realtime Simulation

Sat Jul 19 19:07:39

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 613 / 332

Design

Desktop Programming

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address

Subnet Mask

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address 2001:db8:1:2::2 / 64

Link Local Address

Default Gateway fe80::1

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Tip

Time: 00:17:28

Realtime Simulation

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Scenario 0

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

Sat Jul 19 19:16:48

Cisco Packet Tracer - /home/mikey/Downloads/12.6.6-packet-tracer---configure-ipv6-addressing\_es-XL.pka - Guest - 2025-07-19 18:49:58

File Edit Options View Tools Extensions Window Help

Logical Physical 571 / 250

Sales

Desktop Programming

Web Browser

URL http://2001:db8:1:2::4 Go Stop

CAD Server

Welcome to the CAD server!

Time: 00:26:22

Realtime Simulation

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Scenario 0

New Delete

Toggle PDU List Window

(Select a Device to Drag and Drop to the Workspace)

