

## Lab Configuring Ipv6 Static And Default Routes

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Lab Configuring Ipv6 Static And

You will also configure IPv6 static and default routes on the routers to enable communication to remote networks that are not directly connected. Note: The routers used with CCNA hands-on labs are Cisco 1 941 Integrated Services Routers (ISRs) with Cisco IOS Release 1 5.2 (4)M3 (universalk9 image).

CCNA RSE Lab: [2.2.4.5 Configuring IPv6 Static and Default ...](#)

Background / Scenario In this lab, you will configure the entire network to communicate using only IPv6 addressing, including configuring the routers and PCs. You will use stateless address auto-configuration (SLAAC) for configuring the IPv6 addresses for the hosts.

[2.2.4.5 Lab - Configuring IPv6 Static and Default Routes - ILM](#)

Lab – Configure IPv4 and IPv6 Static and Default Routes (Instructor Version) Topology; Addressing Table; Objectives; Background / Scenario; Required Resources; Instructions. Part 1: Build the Network and Configure Basic Device Settings. Step 1: Cable the network as shown in the topology. Step 2: Configure basic settings for each router.

[15.6.2 Lab - Configure IPv4 and IPv6 Static and Default ...](#)

Step 1: Configure a directly connected IPv6 static route. In a directly connected IPv6 static route, the route entry specifies the router outgoing interface. A directly connected static route is typically used with a point-to-point serial interface. To configure a directly attached IPv6 static route, use the following command format:

Lab Configuring IPv6 Static and Default Routes

Switching, Routing and Wireless Essentials v7.0 SRWE - [15.6.2 Lab - Configure IPv4 and IPv6 Static and Default Routes .docx](#) file: <https://drive.google.com/...>

[15.6.2 Lab - Configure IPv4 and IPv6 Static and Default ...](#)

CCNA 2 Lab: [6.2.4.4/2.2.4.4 Packet Tracer - Configuring IPv6 Static and Default Routes](#).pka Instructions Answers completed free download .pdf file

[2.2.4.4 Packet Tracer - Configuring IPv6 Static and ...](#)

Step 1: Configure IPv6 static routes to the internal LANs. c. On ISP1, configure a next hop IPv6 static route to the LAN 1 network through Edge\_Router. ISP1(config)#ipv6 route 2001:db8:1:10::/64 2001:db8:a:1::2. d. On ISP1, configure a next hop IPv6 static route to the LAN 2 network through Edge\_Router.

[15.6.1 Packet Tracer – Configure IPv4 and IPv6 Static and ...](#)

In this activity, you will configure IPv6 static and default routes. A static route is a route that is entered manually by the network administrator in order to create a route that is reliable and safe.

[2.2.4.4 Packet Tracer – Configuring IPv6 Static and ...](#)

Part 2: Configure IPv6 Static and Default Routes Step 1: Enable IPv6 routing on all routers. Before configuring static routes, we must configure the router to forward IPv6 packets. Which command accomplishes this? ipv6 unicast-routing. Enter this command on each router. Step 2: Configure recursive static routes on R1. Configure an IPv6 recursive static route to every network not directly connected to R1.

[2.2.4.4 Packet Tracer – Configuring IPv6 Static and ...](#)

CCNA Routing and Switching: Routing and Switching Essentials - [2.2.4.5 Lab - Configuring IPv6 Static and Default Routes](#)

[2.2.4.5 Lab - Configuring IPv6 Static and Default Routes ...](#)

Page 1 of 8 Lab – Configuring IPv6 Static and Default Routes Topology Addressing Table Device Interface IPv6 Address / Prefix Length Default Gateway R1 G0/1 2001:DB8:ACAD:A::/64 eui-64 N/A S0/0/1 FC00::1/64 N/A R3 G0/1 2001:DB8:ACAD:B::/64 eui-64 N/A S0/0/0 FC00::2/64 N/A PC-A NIC SLAAC SLAAC PC-C NIC SLAAC SLAAC Objectives Part 1: Build the Network and Configure Basic Device Settings ...

[2.2.4.5 Lab - Configuring IPv6 Static and Default Routes ...](#)

In this lab, you will manually configure a static route to a specified distant network based on a next-hop IP address or exit interface. You will also configure a static default route. A default route is a type of static route that specifies a gateway to use when the routing table does not contain a path for the destination network.

CCNA RSE Lab: [2.2.2.5 Configuring IPv4 Static and Default ...](#)

You will then configure the network topology with IPv6 addresses, configure RIPng, propagate a default route, and use CLI commands to display and verify RIPng routing information. Note : The routers used with CCNA hands-on labs are Cisco 1941 Integrated Services Routers (ISRs) with Cisco IOS Release 15.2(4)M3 (universalk9 image).

Lab – Configuring Basic RIPv2 and RIPng (Instructor Version)

[2.2.2.4 Packet Tracer – Configuring IPv4 Static and Default Routes](#) [Packet Tracer – Configuring IPv4 Static and Default Routes \(Answer Version\)](#) Answer Note: Red font color or Gray highlights indicate text that appears in the Answer copy only. Topology Addressing Table Device Interface IPv4 Address Subnet Mask Default Gateway R1 G0/0 172.31.1.1 255.255.255.128 N/A S0/0/0 READ MORE

[2.2.2.4 Packet Tracer – Configuring IPv4 Static and ...](#)

Lab – Configuring IPv4 Static and Default Routes Part 3: Configure Static Routes Configure a recursive static route. Configure a directly connected static route. Configure and remove static routes. Part 4: Configure and Verify a Default Route Background / Scenario A router uses a routing table to determine where to send packets.

[2.2.2.5 Lab - Configuring Ipv4 Static And Default Routes ...](#)

Lab – Configuring IPv6 Static and Default Routes Background / Scenario In this lab, you will configure the entire network to communicate using only IPv6 addressing, including configuring the routers and PCs. You will use stateless address auto-configuration (SLAAC) for configuring the IPv6 addresses for the hosts.

[2.2.4.5 Lab - Configuring IPv6 Static and Default Routes ...](#)

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Lab Configuring IPv4 Static and Default Routes

[2.2.2.4 Packet Tracer – Configuring IPv4 Static and Default Routes](#) [Packet Tracer – Configuring IPv4 Static and Default Routes \(Answer Version\)](#) Answer Note: Red font color or Gray highlights indicate text that appears in the Answer copy only. Topology Addressing Table Device Interface IPv4 Address Subnet Mask Default Gateway R1 G0/0 172.31.1.1 255.255.255.128 N/A S0/0/0 [...]Continue reading...

[2.2.2.4 Packet Tracer – Configuring IPv4 Static and ...](#)

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