



# Integrated IS-IS Global Default Metric

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The Integrated IS-IS Global Default Metric feature allows you to change the global Intermediate System-to-Intermediate System (IS-IS) default metric for interfaces so that you need not change the metric values for the interfaces one by one. All interfaces that had the original IS-IS default metric 10 will be configured with the new default value.

## History for the Integrated IS-IS Global Default Metric Feature

Release	Modification
12.3(4)T	This feature was introduced.
12.0(27)S	This feature was integrated into Cisco IOS Release 12.0(27)S.
12.2(25)S	This feature was integrated into Cisco IOS Release 12.2(25)S.
12.2(18)SXE	This feature was integrated into Cisco IOS Release 12.2(18)SXE.
12.2(27)SBC	This feature was integrated into Cisco IOS Release 12.2(27)SBC.

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## Prerequisites for Integrated IS-IS Global Default Metric

- You must have IS-IS configured in your network.
- You must be familiar with IPv4. Refer to the publications referenced in the “[Related Documents](#)” section for IPv4 configuration and command reference information.
- You must be familiar with IPv6 addressing and basic configuration. Refer to the publications referenced in the “[Related Documents](#)” section for implementing basic connectivity for IPv6.

## Restrictions for Integrated IS-IS Global Default Metric

If you have already configured a metric for a specific interface by entering either the **isis metric** command or the **isis ipv6 metric** command, the metric that has been configured for that specific interface will take precedence over any global default set by the **metric** command introduced by this feature.

## Information About Integrated IS-IS Global Default Metric

Before you enable the Integrated IS-IS Global Default Metric feature, you should understand the following concept:

- [Benefits of Using the Integrated IS-IS Global Default Metric Feature, page 2](#)

## Benefits of Using the Integrated IS-IS Global Default Metric Feature

IS-IS has a default active interface metric value of 10 in Cisco IOS software. If the interface is passive, the default value is zero. You can change the metric value for a specific interface by using the **isis metric** command or the **isis ipv6 metric** command. If all IS-IS interfaces metric values need to be changed to some value other than the default value, the change needs to be made one by one on all IS-IS interfaces.

The Integrated IS-IS Global Default Metric feature allows you to use one command to change the metric value globally for all IS-IS interfaces. Besides offering the user the convenience of being able to globally configure the value for all IS-IS interfaces, the feature helps prevent errors that occur when interfaces are individually configured to change the metric value: user can remove metrics from an interface and then add the interface back into IS-IS without a set metric, thereby allowing the default metric 10—unintentionally making that interface a highly preferred one in the network. Such an occurrence on the wrong interface could mean the rerouting of traffic across the network on an undesirable path.

## How to Configure the Integrated IS-IS Global Default Metric Feature

This section contains the following procedures:

- [Changing the Global IS-IS IPv4 Default Metric for IPv4 Networks, page 3](#)
- [Changing the Global IS-IS IPv6 Default Metric for IPv6 Networks, page 4](#)

## Changing the Global IS-IS IPv4 Default Metric for IPv4 Networks

This section describes how to change the global IS-IS IPv4 default metric for interfaces for networks using IPv4.

### SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **router isis** [*tag*]
4. **net** *network-entity-title*
5. **metric-style wide**
6. **metric** *default-value* [**level-1** | **level-2**]
7. **end**
8. **show clns interface** *type number*

### DETAILED STEPS

	Command or Action	Purpose
Step 1	<b>enable</b>  <b>Example:</b> Router> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"><li>• Enter your password if prompted.</li></ul>
Step 2	<b>configure terminal</b>  <b>Example:</b> Router# configure terminal	Enters global configuration mode.
Step 3	<b>router isis</b> [ <i>tag</i> ]  <b>Example:</b> Router(config)# router isis 1	Enables the IS-IS routing protocol and specifies an IS-IS process. Enters router configuration mode.
Step 4	<b>net</b> <i>network-entity-title</i>  <b>Example:</b> Router(config-router)# net 01.0000.0309.1234.0	Configures an IS-IS network entity title (NET) for a Connectionless Network Service (CLNS) routing process.
Step 5	<b>metric-style wide</b>  <b>Example:</b> Router(config-router)# metric-style wide	(Optional) Configures a router running IS-IS so that it generates and accepts type, length, and value (TLV) object 135 for IP addresses. <ul style="list-style-type: none"><li>• If you do not enter the <b>metric-style wide</b> command, the default metric style is narrow.</li></ul>

	Command or Action	Purpose
Step 6	<b>metric</b> <i>default-value</i> [ <b>level-1</b>   <b>level-2</b> ]  <b>Example:</b> Router(config-router)# metric 25 level-2	Globally sets a new default metric value for all IS-IS interfaces. <ul style="list-style-type: none"> <li>The value 25 shown in the example will apply only to Level 2 IS-IS interfaces. If you do not enter the <b>level-1</b> or <b>level-2</b> keyword, the metric will be applied to both Level 1 and Level 2 IS-IS interfaces.</li> </ul>
Step 7	<b>end</b>  <b>Example:</b> Router(config-router)# end	Exits router configuration mode.
Step 8	<b>show clns interface</b> <i>type number</i>  <b>Example:</b> Router# show clns interface ethernet 0/1	(Optional) Lists the CLNS-specific information about each interface. <ul style="list-style-type: none"> <li>Enter this command if you want to verify the global default metric.</li> </ul>

## Changing the Global IS-IS IPv6 Default Metric for IPv6 Networks

This section describes how to change the global IS-IS IPv6 default metric for interfaces for IS-IS IPv6 networks.

### SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **ipv6 unicast-routing**
4. **router isis** [*tag*]
5. **net** *network-entity-title*
6. **metric-style wide**
7. **address-family ipv6** [**unicast**]
8. **metric** *default-value* [**level-1** | **level-2**]
9. **exit-address-family**
10. **end**
11. **show clns interface** *type number*

## DETAILED STEPS

	Command or Action	Purpose
Step 1	<p><b>enable</b></p> <p><b>Example:</b> Router&gt; enable</p>	<p>Enables privileged EXEC mode.</p> <ul style="list-style-type: none"> <li>Enter your password if prompted.</li> </ul>
Step 2	<p><b>configure terminal</b></p> <p><b>Example:</b> Router# configure terminal</p>	<p>Enters global configuration mode.</p>
Step 3	<p><b>ipv6 unicast-routing</b></p> <p><b>Example:</b> Router(config)# ipv6 unicast-routing</p>	<p>Enables the forwarding of IPv6 unicast datagrams.</p>
Step 4	<p><b>router isis [tag]</b></p> <p><b>Example:</b> Router(config)# router isis 1</p>	<p>Enables the IS-IS routing protocol and specifies an IS-IS process. Enters router configuration mode.</p>
Step 5	<p><b>net network-entity-title</b></p> <p><b>Example:</b> Router(config-router)# net 01.0000.0309.1234.0</p>	<p>Configures an IS-IS NET for a CLNS routing process.</p>
Step 6	<p><b>metric-style wide</b></p> <p><b>Example:</b> Router(config-router)# metric-style wide</p>	<p>Configures a router running IS-IS so that it generates and accepts TLV object 135 for IP addresses.</p> <ul style="list-style-type: none"> <li>For IS-IS IPv6, the <b>metric-style wide</b> command must be entered.</li> </ul>
Step 7	<p><b>address-family ipv6 [unicast]</b></p> <p><b>Example:</b> Router(config-router)# address-family ipv6</p>	<p>Enters address family configuration mode for configuring IS-IS routing sessions that use standard IPv6 address prefixes.</p>
Step 8	<p><b>metric default-value [level-1   level-2]</b></p> <p><b>Example:</b> Router(address-family)# metric 25</p>	<p>Globally sets a new default metric value for all IS-IS interfaces.</p> <ul style="list-style-type: none"> <li>If you do not enter the <b>level-1</b> or <b>level-2</b> keyword, the metric will be applied to both Level 1 and Level 2 IS-IS interfaces.</li> </ul>
Step 9	<p><b>exit-address-family</b></p> <p><b>Example:</b> Router(address-family)# exit-address-family</p>	<p>Exits address family configuration mode.</p>

	Command or Action	Purpose
Step 10	<b>end</b>  <b>Example:</b> Router(config-router)# end	(Optional) Returns to privileged EXEC mode.
Step 11	<b>show clns interface</b> <i>type number</i>  <b>Example:</b> Router# show clns interface ethernet 0/1	Optional. Lists the CLNS-specific information about each interface. <ul style="list-style-type: none"> <li>Enter this command if you want to verify the global default metric.</li> </ul>

## Configuration Examples for the Integrated IS-IS Global Default Metric Feature

This section contains the following configuration examples:

- [Setting a Global Default Metric for IPv4: Example, page 6](#)
- [Setting a Global Default Metric for IPv6: Example, page 8](#)

### Setting a Global Default Metric for IPv4: Example

The following example sets a global default metric of 111 for the IS-IS interfaces.

```
interface Ethernet3/1
 ip address 172.16.10.2 255.255.0.0
 ip router isis areal
 no ip route-cache
 duplex half
!
interface Ethernet3/2
 ip address 192.168.10.10 255.255.255.0
 ip router isis areal
 no ip route-cache
 duplex half
router isis areal
 net 01.0000.0309.1234.00
 metric-style wide
 metric 111
```

In the following example, the **show clns interface** command confirms that the IS-IS IPv4 interface metric for both Level 1 and Level 2 interfaces is assigned the new default metric value 111:

```
Router# show clns interface

Ethernet3/1 is up, line protocol is up
  Checksums enabled, MTU 1497, Encapsulation SAP
  ERPDUs enabled, min. interval 10 msec.
  CLNS fast switching enabled
  CLNS SSE switching disabled
  DEC compatibility mode OFF for this interface
  Next ESH/ISH in 39 seconds
  Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x0, local circuit ID 0x1
```

```

Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.01
Level-1 IPv6 Metric: 10
Number of active level-1 adjacencies: 0
Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.01
Level-2 IPv6 Metric: 10
Number of active level-2 adjacencies: 0
Next IS-IS LAN Level-1 Hello in 922 milliseconds
Next IS-IS LAN Level-2 Hello in 1 seconds
Ethernet3/2 is up, line protocol is up
Checksums enabled, MTU 1497, Encapsulation SAP
ERPDUs enabled, min. interval 10 msec.
CLNS fast switching enabled
CLNS SSE switching disabled
DEC compatibility mode OFF for this interface
Next ESH/ISH in 20 seconds
Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x1, local circuit ID 0x2
  Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-1 IPv6 Metric: 10
  Number of active level-1 adjacencies: 1
  Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-2 IPv6 Metric: 10
  Number of active level-2 adjacencies: 1
  Next IS-IS LAN Level-1 Hello in 2 seconds
  Next IS-IS LAN Level-2 Hello in 1 seconds

```

In the following example, the **isis metric** command is entered so that it will assign a metric value of 10. The metric value that is set with the **isis metric** command for the specific Ethernet interface 3/1 will take precedence over the metric value that was previously set with the **metric** command.

```

interface Ethernet3/1
 ip address 172.30.10.2 255.255.0.0
 ip router isis area1
 no ip route-cache
 duplex half
 isis metric 10
!
interface Ethernet3/2
 ip address 192.168.10.10 255.255.255.0
 ip router isis area1
 no ip route-cache
 duplex half
router isis area1
 net 01.0000.0309.1234.00
 metric-style wide
 metric 111

```

When the **show clns** command is entered, the router output confirms that the interface has an assigned IS-IS IPv4 metric value of 10:

```

show clns interface
Ethernet3/1 is up, line protocol is up
Checksums enabled, MTU 1497, Encapsulation SAP
ERPDUs enabled, min. interval 10 msec.
CLNS fast switching enabled
CLNS SSE switching disabled
DEC compatibility mode OFF for this interface
Next ESH/ISH in 53 seconds
Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x0, local circuit ID 0x1
  Level-1 Metric: 10, Priority: 64, Circuit ID: mekong.01
  Level-1 IPv6 Metric: 10

```

```

Number of active level-1 adjacencies: 0
Level-2 Metric: 10, Priority: 64, Circuit ID: mekong.01
Level-2 IPv6 Metric: 10
Number of active level-2 adjacencies: 0
Next IS-IS LAN Level-1 Hello in 4 seconds
Next IS-IS LAN Level-2 Hello in 4 seconds
Ethernet3/2 is up, line protocol is up
Checksums enabled, MTU 1497, Encapsulation SAP
ERPDU enabled, min. interval 10 msec.
CLNS fast switching enabled
CLNS SSE switching disabled
DEC compatibility mode OFF for this interface
Next ESH/ISH in 30 seconds
Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x1, local circuit ID 0x2
  Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-1 IPv6 Metric: 10
  Number of active level-1 adjacencies: 1
  Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-2 IPv6 Metric: 10
  Number of active level-2 adjacencies: 1
  Next IS-IS LAN Level-1 Hello in 2 seconds
  Next IS-IS LAN Level-2 Hello in 922 milliseconds

```

## Setting a Global Default Metric for IPv6: Example

The following example changes the IS-IS IPv6 metric to 10 for Ethernet interface 3/2:

```

interface Ethernet3/1
 ip address 172.19.10.2 255.255.0.0
 ip router isis areal
 no ip route-cache
 duplex half
 isis metric 10
!
interface Ethernet3/2
 ip address 172.29.10.10 255.255.255.0
 ip router isis areal
 no ip route-cache
 duplex half
 isis ipv6 metric 10
!
router isis areal
 net 01.0000.0309.1234.00
 metric-style wide
 metric 111
!
 address-family ipv6
 metric 222
 exit-address-family
!

```

In the following example, the **show clns interface** command is entered and the router output shows that, for IPv6 interfaces, the metric value of 10 that was entered with the **isis ipv6 metric** command takes precedence over the metric value of 222 that has been set with the **metric** command:

```

Router# show clns interface

Ethernet3/1 is up, line protocol is up
Checksums enabled, MTU 1497, Encapsulation SAP
ERPDU enabled, min. interval 10 msec.

```

```

CLNS fast switching enabled
CLNS SSE switching disabled
DEC compatibility mode OFF for this interface
Next ESH/ISH in 9 seconds
Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x0, local circuit ID 0x1
  Level-1 Metric: 10, Priority: 64, Circuit ID: mekong.01
  Level-1 IPv6 Metric: 222
  Number of active level-1 adjacencies: 0
  Level-2 Metric: 10, Priority: 64, Circuit ID: mekong.01
  Level-2 IPv6 Metric: 222
  Number of active level-2 adjacencies: 0
  Next IS-IS LAN Level-1 Hello in 2 seconds
  Next IS-IS LAN Level-2 Hello in 3 seconds
Ethernet3/2 is up, line protocol is up
Checksums enabled, MTU 1497, Encapsulation SAP
ERPDU enabled, min. interval 10 msec.
CLNS fast switching enabled
CLNS SSE switching disabled
DEC compatibility mode OFF for this interface
Next ESH/ISH in 36 seconds
Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x1, local circuit ID 0x2
  Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-1 IPv6 Metric: 10
  Number of active level-1 adjacencies: 1
  Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-2 IPv6 Metric: 10
  Number of active level-2 adjacencies: 1
  Next IS-IS LAN Level-1 Hello in 482 milliseconds
  Next IS-IS LAN Level-2 Hello in 932 milliseconds

```

## Additional References

The following sections provide references related to the Integrated IS-IS Global Default Metric feature.

## Related Documents

Related Topic	Document Title
IS-IS routing protocol	<ul style="list-style-type: none"> <li>“Integrated IS-IS Commands” chapter in the <i>Cisco IOS IP Command Reference, Volume 2 of 4: Routing Protocols</i>, Release 12.3T</li> <li>“Configuring Integrated IS-IS” chapter in the <i>Cisco IOS IP Configuration Guide</i>, Release 12.3</li> </ul>
Configuring IPv6	“Implementing Basic Connectivity for IPv6” chapter in the <i>Cisco IOS IPv6 Configuration Library</i>
Configuring the IS-IS protocol for IPv6 networks	“Implementing Multitopology IS-IS for IPv6” chapter in <i>Integrated IS-IS Multi-Topology for IS-IS IPv6</i> , Release 12.3

## Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

## MIBs

MIBs	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: <a href="http://www.cisco.com/go/mibs">http://www.cisco.com/go/mibs</a>

## RFCs

RFCs	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	—

## Technical Assistance

Description	Link
The Cisco Technical Support website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	<a href="http://www.cisco.com/techsupport">http://www.cisco.com/techsupport</a>

## Command Reference

This section documents the following modified command only.

- [metric](#)

# metric

To globally change the metric value for all Intermediate System-to-Intermediate System (IS-IS) interfaces, use the **metric** command in interface configuration mode or address family configuration mode. To disable the metric value and reinstate the default metric value of 10, use the **no** form of this command.

**metric** *default-value* [**level-1** | **level-2**]

**no metric** *default-value* [**level-1** | **level-2**]

## Syntax Description

<i>default-value</i>	Metric value to be assigned to the link and used to calculate the path cost via the links to destinations. You can configure this metric for Level 1 or Level 2 routing only. For style wide metrics the range is from 1 to 16777214. For style narrow metrics the range is from 1 to 63.
<b>level-1</b>	(Optional) Set IS-IS Level-1 IPv4 or IPv6 metric.
<b>level-2</b>	(Optional) Set IS-IS Level-2 IPv4 or IPv6 metric.

## Defaults

The default value for active IS-IS interfaces is 10; the default value for inactive IS-IS interfaces is 0. If the **level-1** or **level-2** keyword is not entered, the metric will be applied to both Level 1 and Level 2 IS-IS interfaces.

## Command Modes

Interface configuration  
Address family configuration

## Command History

Release	Modification
12.3(4)T	This command was introduced.
12.0(27)S	This command was integrated into Cisco IOS Release 12.0(27)S.
12.2(25)S	This command was integrated into Cisco IOS Release 12.2(25)S.
12.2(18)SXE	This command was integrated into Cisco IOS Release 12.2(18)SXE.
12.2(27)SBC	This command was integrated into Cisco IOS Release 12.2(27)SBC.

## Usage Guidelines

When you need to change the default metric value for all IS-IS interfaces, it is recommended to use the **metric** command in order to configure all interfaces globally. Globally configuring the metric values prevents user errors, such as unintentionally removing a set metric from an interface without configuring a new value and unintentionally allowing the interface to revert to the default metric of 10, thereby becoming a highly preferred interface in the network.

For networks running IPv4, enter the **metric** command in interface configuration mode. For networks running IPv6, enter the **metric** command in address family configuration mode.

Once you enter the **metric** command to change the default IS-IS interface metric value, an enabled interface will use the new value instead of the default value of 10. Passive interfaces will continue to use the metric value of 0.

**Note**

The metric value that is directly configured for a specific interface with either the **isis metric** command or the **isis ipv6 metric** command will always take precedence over the metric value that you configure with the **metric** command.

**Examples**

The following example configures the IS-IS interfaces with a global default value of 111 for an IS-IS IPv4 network:

```
interface Ethernet3/1
 ip address 10.10.10.2 255.255.0.0
 ip router isis area1
 no ip route-cache
 duplex half
!
interface Ethernet3/2
 ip address 10.10.10.130 255.255.255.0
 ip router isis area1
 no ip route-cache
 duplex half
!
router isis area1
 net 01.0000.0309.1234.00
 metric-style wide
 metric 111
```

Entering the **show clns interface** command returns the following information:

Router# **show clns interface**

```
Ethernet3/1 is up, line protocol is up
 Checksums enabled, MTU 1497, Encapsulation SAP
 ERPDUs enabled, min. interval 10 msec.
 CLNS fast switching enabled
 CLNS SSE switching disabled
 DEC compatibility mode OFF for this interface
 Next ESH/ISH in 39 seconds
 Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x0, local circuit ID 0x1
  Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.01
  Level-1 IPv6 Metric: 10
  Number of active level-1 adjacencies: 0
  Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.01
  Level-2 IPv6 Metric: 10
  Number of active level-2 adjacencies: 0
  Next IS-IS LAN Level-1 Hello in 922 milliseconds
  Next IS-IS LAN Level-2 Hello in 1 seconds
Ethernet3/2 is up, line protocol is up
 Checksums enabled, MTU 1497, Encapsulation SAP
 ERPDUs enabled, min. interval 10 msec.
 CLNS fast switching enabled
 CLNS SSE switching disabled
 DEC compatibility mode OFF for this interface
 Next ESH/ISH in 20 seconds
 Routing Protocol: IS-IS
  Circuit Type: level-1-2
  Interface number 0x1, local circuit ID 0x2
  Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.02
  Level-1 IPv6 Metric: 10
  Number of active level-1 adjacencies: 1
```

```

Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.02
Level-2 IPv6 Metric: 10
Number of active level-2 adjacencies: 1
Next IS-IS LAN Level-1 Hello in 2 seconds
Next IS-IS LAN Level-2 Hello in 1 seconds

```

The following example configures IPv6 for IS-IS and a global default value of 222 IPv6 metric for the IS-IS interfaces. The metric of 10 that was entered using the **isis metric** command will take precedence.

```

interface Ethernet3/1
 ip address 10.10.10.2 255.255.0.0
 ip router isis area1
 no ip route-cache
 duplex half
 isis metric 10
!
interface Ethernet3/2
 ip address 10.10.10.10 255.255.255.0
 ip router isis area1
 no ip route-cache
 duplex half
router isis area1
 net 01.0000.0309.1234.00
 metric-style wide
 metric 111
!
 address-family ipv6
 metric 222
 exit-address-family

```

Enter the **show clns interface** command to verify that the global default metric for IS-IS IPv6 interfaces for IPv6 network is 222:

```

Router# show clns interface

Ethernet3/1 is up, line protocol is up
  Checksums enabled, MTU 1497, Encapsulation SAP
  ERPDUs enabled, min. interval 10 msec.
  CLNS fast switching enabled
  CLNS SSE switching disabled
  DEC compatibility mode OFF for this interface
  Next ESH/ISH in 51 seconds
  Routing Protocol: IS-IS
    Circuit Type: level-1-2
    Interface number 0x0, local circuit ID 0x1
    Level-1 Metric: 10, Priority: 64, Circuit ID: mekong.01
    Level-1 IPv6 Metric: 222
    Number of active level-1 adjacencies: 0
    Level-2 Metric: 10, Priority: 64, Circuit ID: mekong.01
    Level-2 IPv6 Metric: 222
    Number of active level-2 adjacencies: 0
    Next IS-IS LAN Level-1 Hello in 2 seconds
    Next IS-IS LAN Level-2 Hello in 2 seconds
Ethernet3/2 is up, line protocol is up
  Checksums enabled, MTU 1497, Encapsulation SAP
  ERPDUs enabled, min. interval 10 msec.
  CLNS fast switching enabled
  CLNS SSE switching disabled
  DEC compatibility mode OFF for this interface
  Next ESH/ISH in 17 seconds
  Routing Protocol: IS-IS
    Circuit Type: level-1-2
    Interface number 0x1, local circuit ID 0x2
    Level-1 Metric: 111, Priority: 64, Circuit ID: mekong.02

```

```

Level-1 IPv6 Metric: 222
Number of active level-1 adjacencies: 1
Level-2 Metric: 111, Priority: 64, Circuit ID: mekong.02
Level-2 IPv6 Metric: 222
Number of active level-2 adjacencies: 1
Next IS-IS LAN Level-1 Hello in 1 seconds
Next IS-IS LAN Level-2 Hello in 89 milliseconds

```

**Related Commands**

Command	Description
<b>isis ipv6 metric</b>	Configures the value of an IS-IS IPv6 metric.
<b>isis metric</b>	Configures the metric for an interface.

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