

RADIUS Route Download

The RADIUS Route Download feature allows users to configure their network access server (NAS) to direct RADIUS authorization.

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Prerequisites for RADIUS Route Download

AAA network security must be enabled before you perform the tasks in this feature.

Information About RADIUS Route Download

The RADIUS Route Download feature allows users to configure their network access server (NAS) to direct RADIUS authorization. Users configure a separate named method list (in addition to the default method list) for static route download requests sent by their NAS to authorization, authentication, and accounting (AAA) servers.

Before this feature, RADIUS authorization for static route download requests was sent only to AAA servers specified by the default method list.

This feature extends the functionality of the **aaa route download** command to allow users to specify the name of the method list that will be used to direct static route download requests to the AAA servers. The **aaa route download**commandmay be used to specify a separate method list for downloading static routes. This method list can be added by using the **aaa authorization configuration** command.

How to Configure RADIUS Route Download

Configuring RADIUS Route Download

To configure the NAS to send static route download requests to the servers specified by a named method list, use the following commands in global configuration mode:

SUMMARY STEPS

1. Router(config)# **aaa authorization configuration** *method-name* **[radius | tacacs+ | group** *group-name* **]**
2. Router(config)# **aaa route download** [*time*] [**authorization** *method-list*]

DETAILED STEPS

Procedure

	Command or Action	Purpose
Step 1	Router(config)# **aaa authorization configuration** *method-name* **[radius | tacacs+ | group** *group-name* **]**	Downloads static route configuration information from the AAA server using RADIUS.
Step 2	Router(config)# **aaa route download** [*time*] [**authorization** *method-list*]	Enables the static route download feature. Use the **authorization** *method-list* attributes to specify a named method list to which RADIUS authorization requests for static route downloads are sent.

Verifying RADIUS Route Download

To verify the routes that are installed, use the **show ip route** command in EXEC mode.

To display information that is associated with RADIUS, use the **debug radius** command in privileged EXEC mode.

Configuration Examples for RADIUS Route Download

RADIUS Route Download Configuration Example

The following example shows how to configure the NAS to send static route download requests to the servers specified by the method list named “list1”:

```
aaa new-model
aaa group server radius rad1
server 10.2.2.2 auth-port 1645 acct-port 1646
!
aaa group server tacacs+ tac1
```

```
server 172.17.3.3
!
aaa authorization configuration default group radius
aaa authorization configuration list1 group rad1 group tac1
aaa route download 1 authorization list1
tacacs-server host 172.17.3.3
tacacs-server key cisco
tacacs-server administration
!
radius-server host 10.2.2.2 auth-port 1645 acct-port 1646
radius-server key cisco
```

Additional References

The following sections provide references related to RADIUS Route Download.

Related Documents

Related Topic	Document Title
Security commands	*Cisco IOS Security Command Reference*

Standards

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

MIBs

MIB	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 XE software releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFC	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 Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/techsupport

Feature Information for RADIUS Route Download

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Table 1: Feature Information for RADIUS Route Download

Feature Name	Releases	Feature Information
RADIUS Route Download	Cisco IOS XE Release 2.1	The RADIUS Route Download feature allows users to configure their network access server (NAS) to direct RADIUS authorization. Users configure a separate named method list (in addition to the default method list) for static route download requests sent by their NAS to authorization, authentication, and accounting (AAA) servers. In Cisco IOS XE Release 2.1, this feature was introduced on Cisco ASR 1000 Series Aggregation Services Routers. The following commands were introduced: **aaa route download**