

## Configuring RADIUS Clients (NSM Procedure)

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To enable the Infranet Controller to respond to a network access device, you must configure a RADIUS client in the Infranet Controller.

Configure RADIUS clients by following these procedures:

1. Uploading a New RADIUS Client Dictionary on page 1
2. Creating a RADIUS Dictionary Based on an Existing Model on page 2
3. Configuring a New RADIUS Vendor (NSM Procedure) on page 2
4. Creating a RADIUS Client on page 3

### Uploading a New RADIUS Client Dictionary

To upload a new RADIUS client dictionary to the Infranet Controller:

1. In the NSM navigation tree, select **Device Manager > Devices**.
2. Click the **Device Tree** tab, and then double-click the Infranet Controller device for which you want to upload the RADIUS client dictionary.
3. Click the **Configuration** tab. In the configuration tree, select **UAC > Network Access > RADIUS Dictionary**.
4. Add or modify settings on the RADIUS Dictionary tab as specified in Table 1.
5. Click one:
  - **OK**—Saves the changes.
  - **Cancel**—Cancels the modifications.



#### NOTE:

- You can only remove dictionaries that are not associated with a vendor.
- You can download any dictionary from the list, including preinstalled dictionaries. You can modify the downloaded dictionary, and then upload it as a new make or model.

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**Table 1: RADIUS Dictionary Configuration Details**

Option	Function	Your Action
Name	Specifies the RADIUS dictionary name.	Enter a name for the RADIUS dictionary.
Description	Describes the RADIUS dictionary.	Enter a brief description for the RADIUS dictionary.

**Table 1: RADIUS Dictionary Configuration Details** (continued)

Option	Function	Your Action
Dictionary	Specifies the dictionary file (.dct) path on a local or connected drive.	Select the dictionary file.
Dictionary filename	Specifies the dictionary filename.	Enter the filename.

## Creating a RADIUS Dictionary Based on an Existing Model

To create a RADIUS dictionary based on an existing manufacturer's model:

1. Modify the existing dictionary.
  - a. Select the existing dictionary that you would like to copy. See “Uploading a New RADIUS Client Dictionary” on page 1.
  - b. Download the file, make the required modifications, and then rename and save the .dct file.
2. Browse for the file you have modified, and enter a new name and description for the new dictionary. See “Uploading a New RADIUS Client Dictionary” on page 1.



**NOTE:** There is no vendor associated with the new dictionary.

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3. Associate the dictionary to a new RADIUS vendor. See “Configuring a New RADIUS Vendor (NSM Procedure)” on page 2.

## Configuring a New RADIUS Vendor (NSM Procedure)

To configure a new RADIUS vendor:

1. In the NSM navigation tree, select **Device Manager > Devices**.
2. Click the **Device Tree** tab, and then double-click the Infranet Controller device for which you want to configure a new RADIUS vendor.
3. Click the **Configuration** tab. In the configuration tree, select **UAC > Network Access > RADIUS Vendors**.
4. Add or modify RADIUS vendors on the **RADIUS Vendors** tab as specified in Table 2.
5. Click one:
  - **OK**—Saves the changes.
  - **Cancel**—Cancels the modifications.

**Table 2: RADIUS Vendors Configuration Details**

Option	Function	Your Action
Name	Specifies a name for the RADIUS vendor.	Enter a name for the RADIUS vendor.
Description	Describes the RADIUS vendors.	Enter a brief description for the RADIUS vendor.
Dictionary	Specifies the dictionary to be associated with the RADIUS vendor.	Select the dictionary.

## Creating a RADIUS Client

To create a RADIUS client:

1. In the NSM navigation tree, select **Device Manager > Devices**.
2. Click the **Device Tree** tab, and then double-click the Infranet Controller device for which you want to create a RADIUS client.
3. Click the **Configuration** tab. In the configuration tree, select **UAC > Network Access > RADIUS Clients**.
4. Add or modify RADIUS clients on the RADIUS Clients tab as specified in Table 3.
5. Click one:
  - **OK**—Saves the changes.
  - **Cancel**—Cancels the modifications.

**Table 3: RADIUS Clients Configuration Details**

Option	Function	Your Action
Name	Specifies the RADIUS client's name.	Enter a name for the RADIUS clients.
Description	Describes the RADIUS clients.	Enter a brief description for the RADIUS clients.
IP Address	Specifies the IP address of the network access device.	Enter the IP address.
IP Address Range	Specifies the number of IP addresses in the IP address range for the network access devices, starting with the address specified for IP address.	Enter the IP address range. You can specify a range up to a maximum of 32,768 addresses.

**Table 3: RADIUS Clients Configuration Details** (continued)

Option	Function	Your Action
Shared Secret	Validates communications between the Infranet Controller and network access device.	Enter the shared secret.  The Infranet Controller supports shared secrets of up to 127 alphanumeric characters, including spaces and the following special characters:  ~!@#\$%^&*()_+ \=-'{}[]:~";<>?/.,
Make/Model	Specifies the dictionary of RADIUS attributes to be used by the Infranet Controller when communicating with this client.	Select the make or model.
Location Group	Specifies the location group to use with this network access device.	Select the location group.
Support Disconnect Messages	Allows the Infranet Controller to send unsolicited disconnect requests to the network access device. When a user session is deleted on the Infranet Controller, the disconnect messages cause the user's session to be terminated immediately, and all session information is removed.	Select this option to send terminate session requests to network access devices that support RFC 3576.
Enabled	Enables the RADIUS clients.	Select this option to enable RADIUS clients.

- Related Topics**
- Configuring Location Groups (NSM Procedure)
  - Configuring RADIUS Return Attributes Policies (NSM Procedure)
  - Configuring RADIUS Request Attributes Policies (NSM Procedure)

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