



# Managing Sticky Groups

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Sticky connections limit traffic to individual servers by allowing multiple connections from the same client to stick to the same real server using source IP addresses, source IP subnets, cookies, and the secure socket layer (SSL) or by redirecting these connections using HTTP redirect messages.

Configuring a sticky group involves configuring the attributes of that group and associating it with a policy. This ensures that connections from the same client matching the same policy use the same real server.

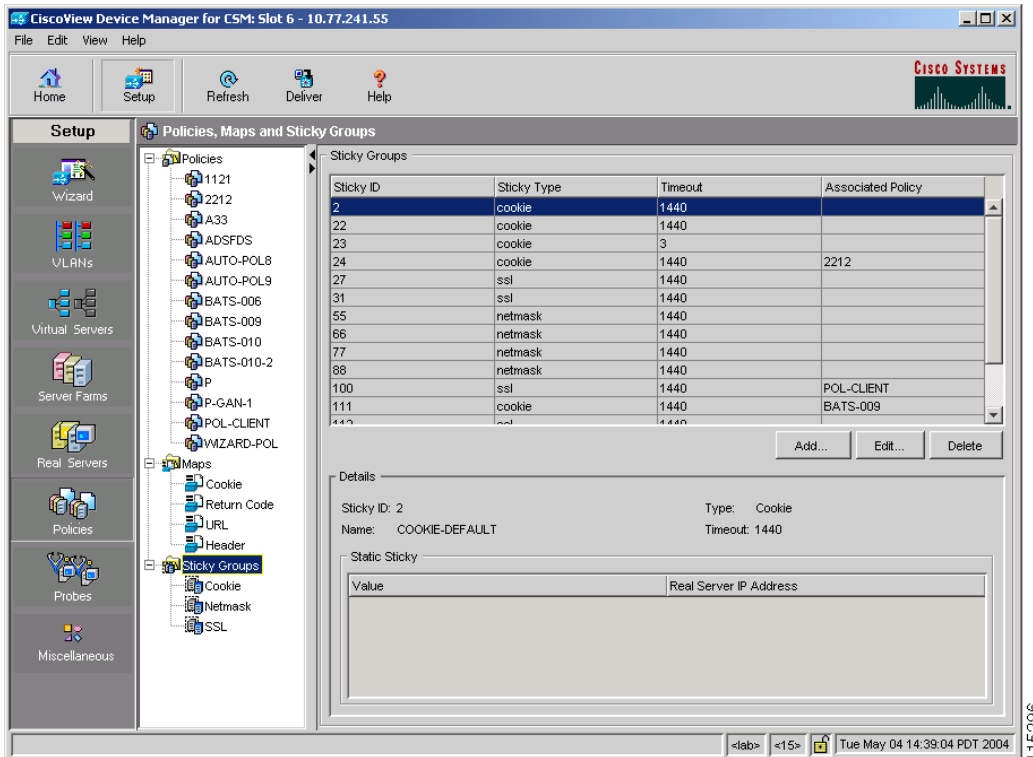
The default sticky time value is 1440 minutes (24 hours).

This section contains the following topics:

- [Viewing Sticky Groups, page 9-2](#)
  - [Adding a Sticky Group, page 9-5](#)
  - [Editing a Sticky Group, page 9-6](#)
- [Viewing Cookie Sticky Groups, page 9-7](#)
  - [Adding a Cookie Sticky Group, page 9-9](#)
  - [Editing a Cookie Sticky Group, page 9-10](#)
- [Viewing SSL Sticky Groups, page 9-18](#)
  - [Adding an SSL Sticky Group, page 9-20](#)
  - [Editing an SSL Sticky Group, page 9-21](#)
- [Viewing Netmask Sticky Groups, page 9-12](#)
  - [Adding a Netmask Sticky Group, page 9-14](#)
  - [Editing a Netmask Sticky Group, page 9-16](#)

# Viewing Sticky Groups

Figure 9-1 Sticky Groups Page



You can view the existing configuration details in the configuration dialog and edit the specified fields.

To view the Sticky Groups:

- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups** from the object selector.
- Or:

**Step 1** Click **Setup** from the task bar, then click **Policies** in the left-most pane.

**Step 2** Select **Policies > Sticky Groups** from the object selector.

The following fields appear:

Field	Action/Description
Sticky ID	Number of the sticky group to which the virtual server belongs.
Sticky Type	Type of Sticky Group. The different types are: <ul style="list-style-type: none"> <li>• Cookie</li> <li>• SSL</li> <li>• Net Mask</li> </ul>
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
Associated Policy	The list of policies to which this sticky group is associated.

**Step 3** When you select any row, the configuration details of the corresponding Sticky Group are displayed with the following fields:

Field	Action/Description
Sticky ID	A unique ID for the sticky group.
Name	Name of the sticky group.
Type	Type of sticky group. The different types are: <ul style="list-style-type: none"> <li>• Cookie</li> <li>• SSL</li> <li>• Net Mask</li> </ul>
Value	Value of the static sticky.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.

Field	Action/Description
Static Sticky	
Value	Value of the static sticky.
Real Server IP Address	IP Address of the real server.

- Step 4** Select **Cookie**, **SSL**, or **Netmask** from the object selector under **Sticky Groups**, to view the configuration details of the corresponding Sticky Group.

From the main Sticky Group page, you can access functions to do the following:

- Click **Add to** add a new Sticky Group. For more information, see [“Adding a Sticky Group” section on page 9-5](#).
- Click **Edit** to edit a Sticky Group. For more information, see [“Editing a Sticky Group” section on page 9-6](#).
- View an SSL Sticky Group. For more information, see [“Viewing SSL Sticky Groups” section on page 9-18](#).
- View a Netmask Sticky Group. For more information, see [“Viewing Netmask Sticky Groups” section on page 9-12](#).

# Adding a Sticky Group

To add a new Sticky Group:

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- Step 1** Click **Home** at the top of the page.
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups** from the object selector.

Or:

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- Step 1** Click **Setup** from the task bar, then click **Policies** in the left-most pane.
- Step 2** Select **Sticky Groups** from the object selector.
- Step 3** Click **Add**. The Add Sticky Group dialog box appears.

The following fields appear:

Field	Action/Description
Sticky Type	From the list, select the type of sticky group. The type can be Cookie, SSL, or Netmask.
Sticky ID	Enter the unique ID of the sticky group.
Name	Enter the name of the sticky group.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable.
<b>Static Sticky</b>	
Value	Specify the value of the static sticky.
Real Server IP Address	IP Address of the real server.

From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the value and the real IP address.
- Select a row and click **Delete** to delete a static sticky.

# Editing a Sticky Group

To edit the configuration values of a selected Sticky Group:

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- Step 1** Click **Home** at the top of the page.
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups** from the object selector.
- Or:
- 
- Step 1** Click **Setup** from the task bar, then click **Policies** in the left-most pane.
- Step 2** Select **Sticky Groups** from the object selector.
- Step 3** Do one of the following:
- Click **Edit** to edit the configuration values of the selected type of Sticky Group.
  - Double click the selected Sticky Group. The fields that appear in the table could vary, depending on the type of Sticky Group selected.
- Step 4** To edit a Cookie Sticky Group, see [“Editing a Cookie Sticky Group” section on page 9-10](#).
- To edit a Netmask Sticky Group, see [“Editing a Netmask Sticky Group” section on page 9-16](#).
- To edit an SSL Sticky Group, see [“Editing an SSL Sticky Group” section on page 9-21](#).
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From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the value and the real IP address.
- Select a row and click **Delete** to delete a static sticky.

# Viewing Cookie Sticky Groups

To view the Cookie Sticky Groups:

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- Step 1** Click **Home** at the top of the page.
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups > Cookies** from the object selector.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
- Step 2** Select **Policies > Sticky Groups > Cookies** from the object selector.

The following fields appear:

Field	Action/Description
Sticky ID	ID number of the sticky group to which the virtual server belongs.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
Associated Policy	The list of policies to which this sticky group is associated.

- Step 3** When you select any row, the configuration details of the corresponding Cookie Sticky Group are displayed with the following fields:

Field	Action/Description
Sticky ID	The unique ID number of the sticky group.
Type	Type of Sticky Group. Here it would be Cookie.
Name	Name of the Cookie Sticky Group.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
<b>Static Sticky</b>	
Value	Value of the static sticky.
Real Server IP Address	IP Address of the Real Server.

From the main Cookie Sticky Group page, you can access functions to do the following:

- Click **Add** a new Cookie Sticky Group. For more information, see [“Adding a Cookie Sticky Group” section on page 9-9](#).
- Click **Edit** a Cookie Sticky Group. For more information, see [“Editing a Cookie Sticky Group” section on page 9-10](#).
- Select a row and click **Delete** to delete Cookie Sticky Group.



## Adding a Cookie Sticky Group

To add a Cookie Sticky Group:

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- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups > Cookies** from the object selector.
  - Step 4** Click **Add** to add a new Cookie Sticky Group.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
  - Step 2** Select **Policies > Sticky Groups > Cookies** from the object selector.
  - Step 3** Click **Add** to add a new Cookie Sticky Group.

The following fields appear:

Field	Action/Description
Sticky ID	Enter the ID number of the sticky group to which the virtual server belongs.
Name	Enter the name of the Cookie Sticky Group.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable.
<b>Static Sticky</b>	
Value	Value of the static sticky.
Real Server IP Address	IP Address of the Real Server.

From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the value and real server IP address.

- Select a row and click **Delete** to delete a static route.

## Editing a Cookie Sticky Group

To edit a Cookie Sticky Group:

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- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups > Cookies** from the object selector.
  - Step 4** Click **Edit** to edit a Cookie Sticky Group.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
  - Step 2** Select **Policies > Sticky Groups > Cookies** from the object selector.
  - Step 3** Click **Edit** to edit a Cookie Sticky Group.

The following fields appear:

Field	Action/Description
Sticky ID	ID number of the sticky group to which the virtual server belongs. The range is from 0 to 255.
Name	Enter the name of the Cookie Sticky Group. The number of characters can range between 1 to 63.
Type	Type of Sticky Group. Here it will be Cookie.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable. The range is from 1 to 65535.
<b>Static Sticky</b>	
Value	Value of the static sticky.
Real Server IP Address	IP Address of the Real Server.

From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the value and real server IP address.
- Select a row and click **Delete** to delete a static route.

# Viewing Netmask Sticky Groups

To view Netmask Sticky Groups:

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- Step 1** Click **Home** at the top of the window
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups > Netmask** from the object selector.
- Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
- Step 2** Select **Policies > Sticky Groups > Netmask** from the object selector.

The following fields appear:

Field	Action/Description
Sticky ID	ID of the Netmask Sticky Group.
Timeout	Time (in seconds) to wait, before a connection is considered unreachable.
Associated Policy	Policy associated with the Netmask Sticky Group.

- Step 3** When you select any row, the configuration details of the corresponding Netmask Sticky Group are displayed with the following fields:

Field	Action/Description
Sticky ID	ID associated with the Netmask Sticky Group.
Type	Type of Sticky Group. Here it will be Netmask.
Mask Type	It can be source, destination or both.
Mask	Type of IP mask applied. It can be from Class A, Class B, Class C or Class D masks.  If it is not specified, the default for network mask is 255.255.255.255.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
<b>Static Sticky</b>	
Source IP	IP address of the source.
Destination IP	IP address of the destination.
Real Server IP	IP address of the real server.

From this page, you can access functions to do the following:

- Click **Add** to add a Netmask Sticky Group. For more information, see [“Adding a Netmask Sticky Group” section on page 9-14](#).
- Click **Edit** to edit a Netmask Sticky Group. For more information, see [“Editing a Netmask Sticky Group” section on page 9-16](#).
- Select a row and click **Delete** to delete Netmask Sticky Group.

## Adding a Netmask Sticky Group

To add a Netmask Sticky Group:

- 
- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups > Netmask** from the object selector.
  - Step 4** Click **Add** to add a new Netmask Sticky Group.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
  - Step 2** Select **Policies > Sticky Groups > Netmask** from the object selector.
  - Step 3** Click **Add** to add a new Netmask Sticky Group.

The following fields appear:

Field	Action/Description
Sticky ID	Enter the ID of the Netmask Sticky Group.
Mask Type	From the list, select source, destination or both.
Mask	Specify the type of IP mask to be applied. It can be Class A, Class B, Class C or Class D mask.  If it is not specified, the default for network mask is 255.255.255.255.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable.  The range is from 1 to 65535.
<b>Static Sticky</b>	
Source IP	IP address of the source.
Destination IP	IP Address of the destination.
Real Server IP	IP address of the real server.

From this page, you can access functions to do the following:

- Add a static sticky by entering the source IP, destination IP and the real server IP address.
- Select a row and click **Delete** to delete a static sticky.

## Editing a Netmask Sticky Group

To edit a Netmask Sticky Group:

- 
- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups > Netmask** from the object selector.
  - Step 4** Click **Edit** to edit a Netmask Sticky Group

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
  - Step 2** Select **Policies > Sticky Groups > Netmask** from the object selector.
  - Step 3** Click **Edit** to edit a Netmask Sticky Group.

The following fields appear:



Field	Action/Description
Sticky ID	ID of the Netmask Sticky Group.
Type	Type of Sticky Group. Here it will be Netmask.
Mask Type	From the list, select source, destination or both.
Mask	Specify the type of IP mask to be applied. It can be Class A, Class B, Class C or Class D masks.  If it is not specified, the default for network mask is 255.255.255.255.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable.  The range is from 1 to 65535.
<b>Static Sticky</b>	
Source IP	IP address of the source.
Destination IP	IP Address of the destination.
Real Server IP	IP address of the real server.

From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the source IP, destination IP and the real server IP address.
- Select a row and click **Delete** to delete a static sticky.

# Viewing SSL Sticky Groups

To view the SSL Sticky Groups:

- 
- Step 1** Click **Home** at the top of the page.
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups** from the object selector.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
- Step 2** Select **Policies > Sticky Groups > SSL** from the object selector. The configuration table of the SSL Sticky Group is displayed.

The following fields appear:

Field	Action/Description
Sticky ID	Number of the sticky group to which the virtual server belongs.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
Associated Policy	Policy associated with the SSL Sticky Group.

- Step 3** When you select any row, the configuration details of the corresponding SSL Sticky Group are displayed with the following fields:

Field	Action/Description
Sticky ID	ID of the SSL Sticky Group.
Type	Type of Sticky Group. Here it will be SSL.
Timeout	Time (in seconds) to wait before a connection is considered unreachable.
<b>Static Sticky</b>	
SSL ID	ID of the SSL map.
Real Server IP Address	IP Address of the Real Server.

From the main SSL Sticky Group page, you can access functions to do the following:

- Click **Add** to add a new SSL Sticky Group. For more information, see [“Adding an SSL Sticky Group” section on page 9-20](#).
- Click **Edit** to edit an SSL Sticky Group. For more information, see [“Editing an SSL Sticky Group” section on page 9-21](#).
- Select a row and click **Delete** to delete SSL Sticky Group.

## Adding an SSL Sticky Group

To create an SSL Sticky Group:

- 
- Step 1** Click **Home** at the top of the page.
  - Step 2** Click **Policies** under **Services Dashboard**.
  - Step 3** Select **Policies > Sticky Groups** from the object selector.
  - Step 4** Click **Add** to add a new SSL Sticky Group.

Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
  - Step 2** Select **Policies > Sticky Groups > SSL** from the object selector.
  - Step 3** Click **Add** to add a new SSL Sticky Group.

The following fields appear:

Field	Action/Description
Sticky ID	Enter the ID of the SSL Sticky Group.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable.  The range is from 1 to 65535.
<b>Static Sticky</b>	
SSL ID	ID of the SSL map.
Real Server IP Address	IP Address of the Real Server.

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From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the SSL ID and real server IP address.
- Select a row and click **Delete** to delete the static route.

## Editing an SSL Sticky Group

To edit an SSL Sticky Group:

- 
- Step 1** Click **Home** at the top of the page.
- Step 2** Click **Policies** under **Services Dashboard**.
- Step 3** Select **Policies > Sticky Groups** from the object selector.
- Or:

- 
- Step 1** Click **Setup** at the top of the window, then click **Policies** in the left-most pane.
- Step 2** Select **Policies > Sticky Groups > SSL** from the object selector.
- Step 3** Click **Edit** to edit a SSL Sticky Group.

The following fields appear:

Field	Action/Description
Sticky ID	ID associated with the SSL Sticky Group.
Type	Type of Sticky Group. Here it will be SSL.
Timeout	Enter the time (in seconds) to wait before a connection is considered unreachable. The range is from 1 to 65535.
<b>Static Sticky</b>	
SSL ID	ID of the SSL map.
Real Server IP Address	IP Address of the Real Server.

From this page, you can access functions to do the following:

- Click **Add** to add a static sticky by entering the SSL ID and real server IP address.
- Select a row and click **Delete** to delete a static sticky.

