



Managing Server Farms

The managing Server Farms page has two sections Server Fams and NAT Pools, for more details see:

- [Server Farms, page 5-1](#)
- [NAT Pools, page 5-28](#)

Server Farms

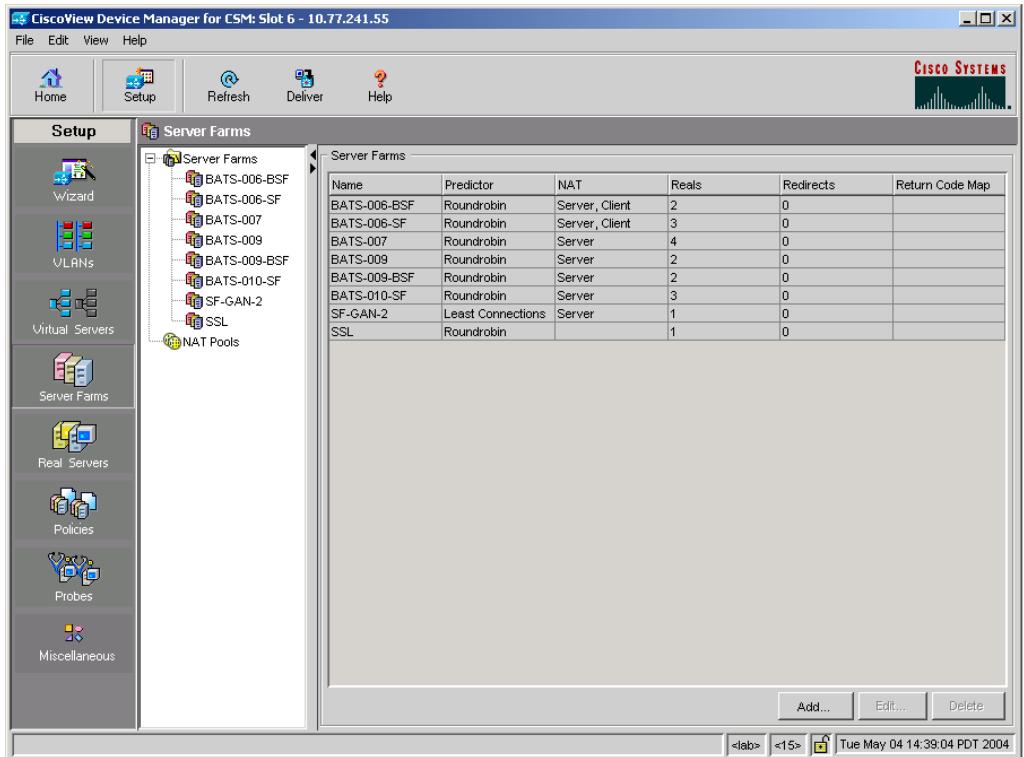
A server farm (or server pool) is a collection of servers that contain the same content. You can specify the server farm name when you configure the server farm and add real servers.

Related Topics:

- [Viewing Server Farms, page 5-2](#)
- [Adding Server Farms, page 5-4](#)
 - [Adding Named Real Server, page 5-17](#)
 - [Adding Unnamed Real Server, page 5-20](#)
 - [Adding Redirect Virtual Server, page 5-24](#)
- [Editing Server Farms, page 5-9](#)
 - [Editing a Real Server, page 5-22](#)
 - [Editing Redirect Virtual Servers, page 5-26](#)
- [Viewing Server Farm Node, page 5-14](#)

Viewing Server Farms

Figure 5-1 Server Farms Page



To view Server Farms:

- Step 1 Click **Home** at the top of the window.
 - Step 2 Click **Server Farms** under **Services Dashboard**.
- Or:

- Step 1 Click **Setup** from the task bar.
- Step 2 Click **Server Farms** in the left-most pane. The following details are shown in the content area.

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| Field | Description |
|-----------------|--|
| Name | Name of the server farm about which information is being displayed. Information about each server farm is displayed on a separate line. |
| Predictor | Type of load-balancing algorithm used by the server farm. |
| NAT | Shows whether server and client NAT (Network Address Translation) is enabled. |
| Reals | Number of real servers configured in the server farm. |
| Redirects | Shows the number of redirect virtual servers configured in the server farm. |
| Return Code Map | Return code map name associated with the server farm. |

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

- Click **Add** to add Server Farms. For more information, see [“Adding Server Farms” section on page 5-4](#).
- Select a node and click **Edit** to edit a Server Farm. For more information, see [“Editing Server Farms” section on page 5-9](#).
- Select a node and click **Delete** to delete the Server Farm.

Adding Server Farms

To add Server Farms:

-
- Step 1** Click **Home** at the top of the window.
- Step 2** Click **Server Farms** under **Services Dashboard**.
- Step 3** Click the **Add** button provided at the end of the table to create a new Server Farm.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farms** in the left-most pane.
- Step 2** Click the **Add** button provided at the end of the table to create a new Server Farm. The Add Server Farm dialog box has the following tabs:
- [General](#)
 - [Real Server](#)
 - [Health Checkup](#)
 - [Redirect Virtual Server](#)

General

In the **General** tab, the following details are displayed:

| Field | Descriptions |
|--------------------------|--|
| Name | Enter the name of the Server Farm. |
| Load Balancing Algorithm | Specify the load-balancing algorithm for the server farm from the list. Based on the load balancing algorithm the traffic will be diverted to the respective real server. The fields Mask Type and Mask are applicable only for Hash Address algorithm type. |
| NAT | Select the check box to specify Client NAT or Server NAT. When client NAT is enabled you must specify the corresponding client NAT pool. |

Real Server

In the **Real Servers** tab, the following details are displayed:

| Fields | Description |
|------------------|--|
| Real | Number of real servers configured in the server farm. |
| Min. Connections | The minimum number of connections for the real server. |
| Max. Connections | The maximum number of connections for the real server. |
| Weight | Weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm. |
| Admin Status | Lets you know if the real server is in service or out of service. |

From this page, you can click **Add** to add new named or unnamed real server. For more information on adding named and unnamed real servers, see

- [“Adding Named Real Server” section on page 5-17](#)
- [“Adding Unnamed Real Server” section on page 5-20](#)

Health Checkup

In the **Health Checkup** tab, the following details are displayed:

| Field | Description |
|-----------------------|--|
| Fail Action | Specify the fail action criteria. Choose among None, Purge, and Reassign. |
| HTTP Return Code | Specify the return code map. |
| Inband Health Checkup | Select the check box to activate the following fields. <ul style="list-style-type: none">• Number of Retries-Enter the number of retries.• Retry Interval (in seconds)- Enter the retry interval span in seconds. |
| Associate Probes | You can associate or disassociate a probe to the server farm. |

Redirect Virtual Server

In the **Redirect Virtual Server** tab, the following details are displayed:

| Field | Description |
|----------|--|
| Name | The name of the redirect virtual server. |
| SSL Port | SSL port number; the range is from 1 to 65535. |
| Status | Status of the redirect virtual server. |

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

- Add a new redirect virtual server. For more information, see [“Adding Redirect Virtual Server” section on page 5-24](#).
- Select a row and click **Delete** to delete a Redirect Virtual Server.

Editing Server Farms

To edit selected Server Farm details:

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Select the server farm node. The details are displayed in the right pane.
 - Step 4** Click **Edit** to launch the Edit Server Farms dialog box.

Or:

-
- Step 1** Click **Setup** from the task bar, then select Server Farms from the left-most pane. The Server Farm details appear in the content pane.
 - Step 2** Select the Sever Farm Node. The details are displayed on the right pane.
 - Step 3** Click **Edit** to launch the Edit Server Farms dialog box. The Edit Server Farm dialog box has the following tabs:
 - [General](#)
 - [Real Server](#)
 - [Health Checkup](#)
 - [Redirect Virtual Server](#)

General

In the **General** tab the following details are displayed:

| Fields | Descriptions |
|--------------------------|--|
| Name | The name of the Server Farm. |
| Load Balancing Algorithm | Specify the load-balancing algorithm for the server farm from the list. Based on the load balancing algorithm the traffic will be diverted to the respective real server. The fields Mask Type and Mask are applicable only for Hash Address algorithm type. |
| NAT | Select the check box to specify Client NAT or Server NAT. When client NAT is enabled you must specify the corresponding client NAT pool. |

Real Server

In the **Real Servers** tab the following details are displayed:

| Fields | Description |
|------------------|--|
| Real | Number of real servers configured in the server farm. |
| Min. Connections | The minimum number of connections for the real server. |
| Max. Connections | The maximum number of connections for the real server. |
| Weight | Weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm. |
| Admin Status | Lets you know if the real server is in service or out of service. |

From this section, you can click **Edit** to edit a real server. For more information on editing real servers see [“Editing a Real Server” section on page 5-22](#).

Health Checkup

In the **Health Checkup** tab, the following details are displayed:

| Field | Description |
|-----------------------|--|
| Fail Action | Specify the fail action criteria. Choose among None, Purge, and Reassign. |
| HTTP Return Code | Specify the return code map. |
| Inband Health Checkup | <p>Select the check box to activate the following fields.</p> <ul style="list-style-type: none"> • Number of Retries-Enter the number of retries. • Retry Interval (in seconds)- Enter the retry interval span in seconds. |
| Associate Probes | You can associate or disassociate a probe to the server farm. |

Redirect Virtual Server

In the **Redirect Virtual Server** tab, the following details are displayed:

| Field | Description |
|----------|--|
| Name | The Name of the redirect virtual server. |
| SSL Port | SSL port number; the range is from 1 to 65535. |
| Status | Status of the redirect virtual server. |

From this section click **Edit** to edit a redirect virtual server. For more information on editing Redirect Virtual Servers see [“Editing Redirect Virtual Servers” section on page 5-26](#).

Viewing Server Farm Node

To view Server Farm Nodes:

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- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Select the **Server Farm Node** from the object selector. The details are shown on the content area.

Or:

-
- Step 1** Click **Setup** from the task bar.
 - Step 2** Click **Server Farms** on the left-most pane.
 - Step 3** Select the **Server Farm Node** in the object selector. The details are shown on the content area. The following fields are displayed:

| Field | Description |
|------------------------------|--|
| Predictor | |
| Load-balancing Algorithm | The load-balancing algorithm for the server farm. Based on the load balancing algorithm the traffic will be diverted to the respective real server. The fields Mask Type and Mask are applicable only for Hash Address algorithm type. |
| NAT | Displays Client NAT and Server NAT status. When client NAT is enabled the corresponding client NAT pool is displayed. |
| Real Server | |
| Real Server Name | The name of the Real Server. |
| Min. Connections | The minimum number of connections for the real server. |
| Max. Connections | The maximum connections for the real server. |
| Weight | The weight of the real server. |
| Admin Status | The admin status of the real server farm with respect to this server farm. |
| Operational Status | The operational status of the real server farm with respect to this server farm. |
| Set Admin Status | Click this button to set the state of the Server instantly. |
| Health Checkup | |
| Fail Action | The course of action determined for the server farm in case of failure. |
| HTTP Return Code | The HTTP return code map for the server farm. |
| Inband Health Checkup | |

| Field | Description |
|-------------------|---|
| Number of Retries | The number of retries for the real server. |
| Retry Interval | The time duration for which the retry occurs. |
| Associate Probes | The list of probes associated with the server farm. |

From the Server Farm Node page, you can access functions to do the following:

- Select a real server and click **Set Admin Status** to set its state instantly.
- Click the **Redirect Virtual Server** button you can add or edit a redirect virtual server. For more information, see:
 - [“Adding Redirect Virtual Server” section on page 5-24](#)
 - [“Editing Redirect Virtual Servers” section on page 5-26](#)
- Select a redirect virtual server and click **Delete** to delete a redirect virtual server.
- Click **Edit** to edit server farms. For more information, see [“Editing Server Farms” section on page 5-9](#).



Adding Named Real Server


To add a named Real server.

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- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click the **Add** button provided at the end of the table.
 - Step 4** In the Add Server Farm dialog box, select **Real Server**.
 - Step 5** Click the **Add** button provided at the end of the table, and specify **Select Named Real Server**.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click the **Add** button provided at the end of the table.
 - Step 3** In the Add Server Farm dialog box select **Real Server**.
 - Step 4** Click the **Add** button provided at the end of the table and specify **Select Named Real Server**. The following fields are displayed:

| Field | Description |
|----------------------------|--|
| Name | From the list, select the name of the named real server. |
| Port | Enter the port number. |
| Min. Connections | Enter the minimum number of connections for the real server. |
| Max. Connections | Enter the maximum number of connections for the real server. |
| Weight | Enter the weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm. |
| Redirect Virtual Server | Click  and do one of the following: <ul style="list-style-type: none"> • Select redirect virtual server from the table. • Create a redirect virtual server. • Clear an existing redirect virtual server. |
| Status | Specify the status of the real server. |
| Back Up Real Server | |
| Name | Click  and do one of the following: <ul style="list-style-type: none"> • Select named real server from the table. • Select an unnamed real server. • Clear an existing backup real server. |
| Port | Displays the backup real server port number. |
| Probe | |

| Field | Description |
|------------|--|
| Probe Name | Click  and do one of the following: <ul style="list-style-type: none">• Select probe from the table.• Create probe.• Clear an existing probe. |
| Tag | Enter the tag for the probe. |

Adding Unnamed Real Server

To add an unnamed Real Server.

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click the **Add** button provided at the end of the table.
 - Step 4** In the Add Server Farm dialog box select **Real Server**.
 - Step 5** Click the **Add** button provided at the end of the table and specify **Add Unnamed Real Server**.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click the **Add** button provided at the end of the table.
 - Step 3** In the Add Server Farm dialog box select **Real Server**.
 - Step 4** Click the **Add** button provided at the end of the table and specify **Add Unnamed Real Server**. The following fields are displayed:

| Field | Description |
|---------------------------|---|
| IP Address | Enter the IP address of the destination. |
| Port | Decimal TCP/UDP port number (from 0 to 65535) or port name. |
| Minimum Connections | Enter the minimum number of connections to the real server. |
| Maximum Connections | Enter the maximum number of connections to the real server. |
| Weight | Enter the weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm. |
| Redirect Virtual Server | Choose one real server from the list. |
| Status | Specify the status of the real server. |
| Backup Real Server | |
| Name | From the list, select the name of backup real server. |
| Port | Enter the decimal TCP/UDP port number (from 0 to 65535) or port name. |
| Probe | |
| Name | From the list, select the name of probe. |
| Tag | Enter the tag for the probe. |

Editing a Real Server

To edit a Real server.

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click the **Add** button provided at the end of the table.
 - Step 4** In the **Add Server Farm** dialog box select **Real Server**.
 - Step 5** Click the **Edit** button provided at the end of the table.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click the **Add** button provided at the end of the table.
 - Step 3** In the Add Server Farm dialog box select **Real Server**.
 - Step 4** Click the **Edit** button provided at the end of the table. The following fields are displayed:

| Field | Description |
|----------------------------|---|
| Min. Connections | Minimum number of connections to the real server. |
| Max. Connections | Maximum number of connections to the real server. |
| Weight | Weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm. |
| Redirect Virtual Server | Choose a real server from the list. |
| Status | Lets you know if the Real Server is in service, out of service or in service standby. |
| Back Up Real Server | |
| Name | Choose a backup server farm from the list. |
| Port | Decimal TCP/UDP port number (from 0 to 65535) or port name. |
| Probe | |
| Name | Choose a probe name from the list. |
| Tag | Specify a tag for the probe. |

From this page, you can click **Delete** to delete a Real Server.

Adding Redirect Virtual Server

To add a Redirect Virtual Server:

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click the **Add** button provided at the end of the table.
 - Step 4** In the Add Server Farm dialog box select **Redirect Virtual Server**.
 - Step 5** Click the **Add** button provided at the end of the table.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click the **Add** button provided at the end of the table.
 - Step 3** In the Add Server Farm dialog box select **Redirect Virtual Server**.
 - Step 4** Click the **Add** button provided at the end of the table.

The following fields are displayed:

| Field | Description |
|-------------------|--|
| Name | Specify the name of the Redirect virtual server. |
| SSL Port | SSL port number. The range is from 1 to 65535. |
| Status | Specify the status of the Redirect Virtual Server. |
| Back Up | |
| Response | Specify the backup response. |
| HTTP Status Code | Select the HTTP status code. |
| Relocation | |
| Response | Specify the relocation response. |
| HTTP Status Code | Select the HTTP Status Code. |

Editing Redirect Virtual Servers

To edit a Redirect Virtual Server:

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click the **Add** button provided at the end of the table.
 - Step 4** In the Add Server Farm dialog box select **Redirect Virtual Server**.
 - Step 5** Click the **Edit** button provided at the end of the table.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click the **Add** button provided at the end of the table.
 - Step 3** In the Add Server Farm dialog box select **Redirect Virtual Server**.
 - Step 4** Click the **Edit** button provided at the end of the table.

The following fields are displayed:

| Field | Description |
|-------------------|--|
| Name | Specify the name of the Redirect virtual server. |
| SSL Port | SSL port number. The range is from 1 to 65535. |
| Status | Edit the status of the Redirect Virtual Server. |
| Back Up | |
| Response | Specify the back up response. |
| HTTP Status Code | Select the HTTP Status Code. |
| Relocation | |
| Response | Specify the relocation response. |
| HTTP Status Code | Select the HTTP Status Code. |

NAT Pools

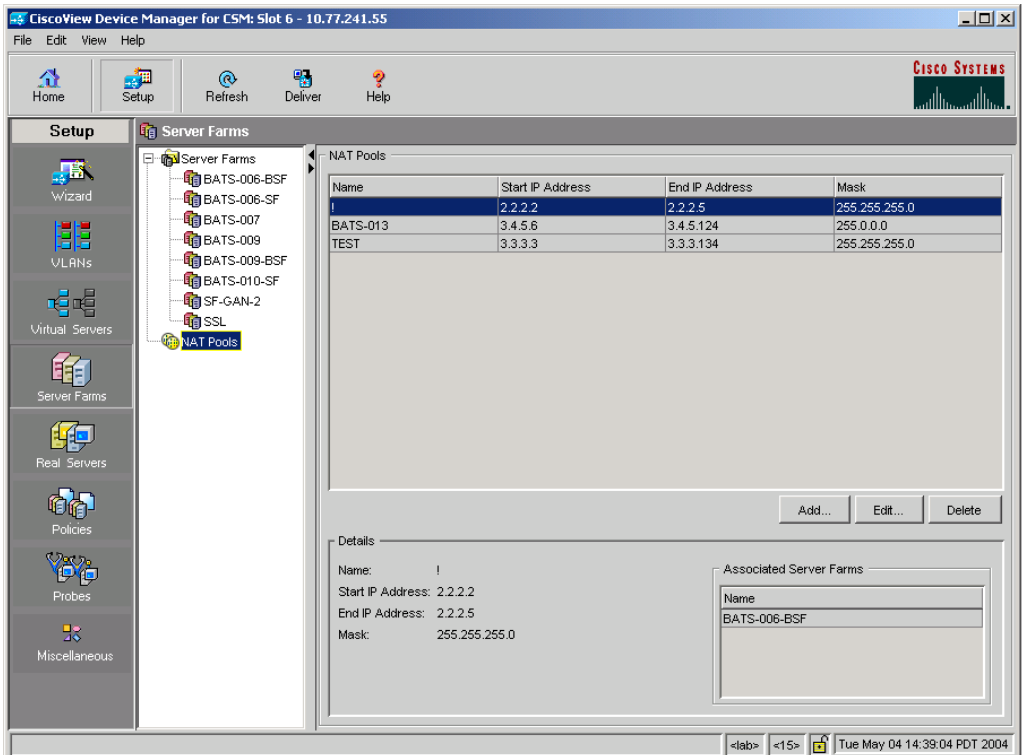
When you configure client Network Address Translation (NAT) pools, NAT converts the source IP address of the client requests into an IP address on the server-side VLAN. You can configure NAT pool with range of IP Addresses. To configure NAT pool with single IP Address, you can give Starting IP and Ending IP as the same.

Related Topics:

- [Viewing NAT Pools, page 5-29](#)
- [Adding NAT Pools, page 5-31](#)
- [Editing NAT Pools, page 5-32](#)

Viewing NAT Pools

Figure 5-2 NAT Pools



To view NAT Pools:

- Step 1 Click **Home** at the top of the window.
- Step 2 Click **Server Farms** under **Services Dashboard**.
- Step 3 Click **NAT Pools**.

Or:

- Step 1 Click **Setup** from the task bar and click **Server Farm** in the left-most pane.

Step 2 Click **NAT Pools**. The details are displayed on the content pane. The following fields are displayed:

| Field | Description |
|--------------------------------|---|
| Name | Name of the NAT Pool. |
| Start IP Address | The start IP Address of the NAT Pool. |
| End IP Address | The end IP Address of the NAT Pool. |
| Mask | The mask IP of the NAT Pool. |
| Details | |
| Name | Name of the NAT Pool. |
| Start IP Address | The start IP Address of the NAT Pool. |
| End IP Address | The end IP Address of the NAT Pool. |
| Mask | The mask IP of the NAT Pool. |
| Associated Server Farms | |
| Name | Displays the name of the Server Farm that has this NAT pool associated with it. |

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

- Click **Add** to add NAT Pools. For more information, see [“Adding NAT Pools” section on page 5-31](#).
- Select a node and click **Edit** to edit NAT Pools. For more information, see [“Editing NAT Pools” section on page 5-32](#).
- Select a node and click **Delete** to delete the NAT Pool.

Adding NAT Pools

To add NAT Pools:

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click **NAT Pools**.
 - Step 4** Click the **Add** button at the end of the content pane.
 - Step 5** The Add NAT Pool dialog box pops up.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click **NAT Pools**.
 - Step 3** Click the **Add** button at the end of the content pane.
 - Step 4** The Add NAT Pool dialog box pops up and the following fields are displayed:

| Field | Description |
|------------------|---------------------------------------|
| Name | The name of the NAT Pool. |
| Start IP Address | The start IP Address of the NAT Pool. |
| End IP Address | The end IP Address of the NAT Pool. |
| Mask | The mask IP of the NAT Pool. |

**Note**

To create a NAT pool with a single IP address provide the same IP address for the Start and End IP address field.

Editing NAT Pools

To edit NAT Pools:

-
- Step 1** Click **Home** at the top of the window.
 - Step 2** Click **Server Farms** under **Services Dashboard**.
 - Step 3** Click **NAT Pools**.
 - Step 4** Click the **Edit** button at the end of the content pane.
 - Step 5** The Edit NAT Pool dialog box pops up.

Or:

-
- Step 1** Click **Setup** from the task bar and click **Server Farm** in the left-most pane.
 - Step 2** Click **NAT Pools**.
 - Step 3** Click the **Edit** button at the end of the content pane.
 - Step 4** The Edit NAT Pool dialog box pops up and the following fields are displayed:

| Field | Description |
|------------------|---|
| Name | The name of the NAT Pool. You cannot edit this field. |
| Start IP Address | The start IP Address of the NAT Pool. |
| End IP Address | The end IP Address of the NAT Pool. |
| Mask | The mask IP of the NAT Pool. |
