



## Launching the Administration Console for the First Time

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This chapter provides information about the SmartFilter Administration Console. It contains the following topics:

- [Starting the SmartFilter Administration Console the First Time, page 4-1](#)
- [Using the SmartFilter Administration Console Windows, page 4-3](#)
- [Using the SmartFilter Software Menus and Toolbar, page 4-7](#)
- [Configuring Administration Servers, page 4-9](#)
- [Enabling SmartFilter Software on the Cisco Content Engine, page 4-11](#)

### Starting the SmartFilter Administration Console the First Time

To start the SmartFilter Administration Console for the first time, follow these steps:

**Step 1** Use one of the following methods:

- For Windows:
  - Double-click the **SmartFilter Administration Console** icon on the desktop.
  - or
  - Choose **Start > Programs > SmartFilter Administration Console > Administration Console**.
- For UNIX:
  - Go to the directory where you installed SmartFilter and run the following command:  

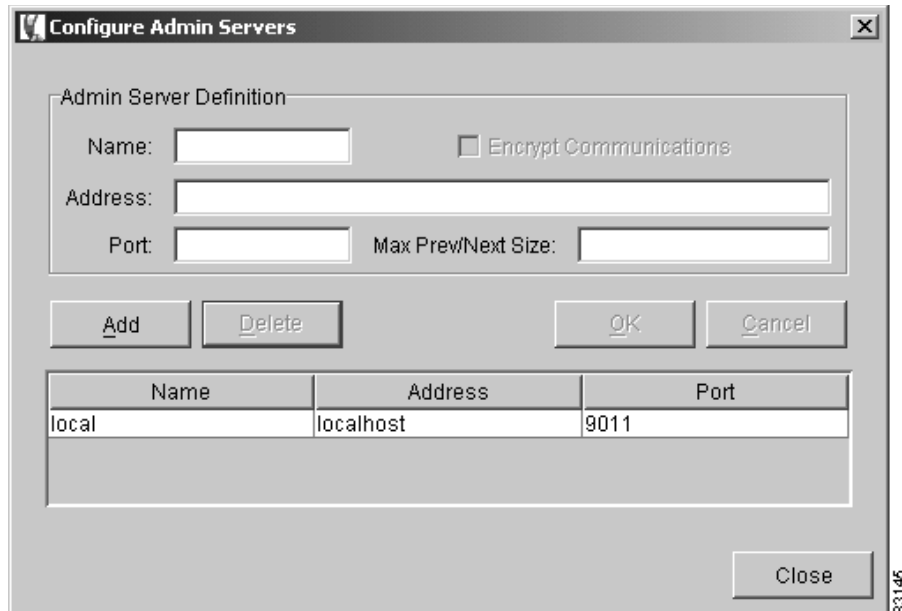
```
sh sfadmin.sh
```



**Note** For example, the directory could be `/usr/local/sfadmin/bin`.

The Configure Admin Servers window, shown in [Figure 4-1](#), appears. The cursor is in the Name field.

Figure 4-1 Configure Admin Servers Window



**Step 2** Click **Add** and enter the name of the Administration Server that you want to configure.



**Note** The name cannot contain a space or a comma.

**Step 3** Press **Tab** to reach the Address field, and enter the address of the Administration Server.

You can use either the Administration Server IP address or the host name.

**Step 4** Accept the default value for the Administration Server port in the Port field.

**Step 5** Press **Tab** to reach the Max Prev/Next Size field, and enter a value that defines the maximum number of items that can appear at one time in windows with potentially large tables.

An example is the Search Site window in the Administration Console. If more than the maximum number of items exists in one of these tables, the **Previous** and **Next** buttons become active so that you can move back and forth.

The default value for this field is 300.

**Step 6** Determine whether or not to use encrypted communications.

- Check the **Encrypt Communications** check box to use encrypted communications. (Note that the port number changes.)
- Uncheck the **Encrypt Communications** check box to use unsecured communications.

**Step 7** Click **OK**.

The name, IP address, and port for the Administration Server that you added appear in the table.

**Step 8** Click **Close**.

The SmartFilter Administration Console appears.

**Step 9** From the menu bar of the Administrator Console, choose **File > Connect to Admin Server**. The Admin Server Login window, shown in [Figure 4-2](#), appears.

Figure 4-2 Admin Server Login Window



- Step 10** Choose the name of the login server from the drop-down list.
- Step 11** Press **Tab** to reach the Username field and enter the administrator username for the SmartFilter Administration Server.
- Step 12** Press **Tab** to reach the Password field and enter the administrator password for the SmartFilter Administration Server.

**Tip**

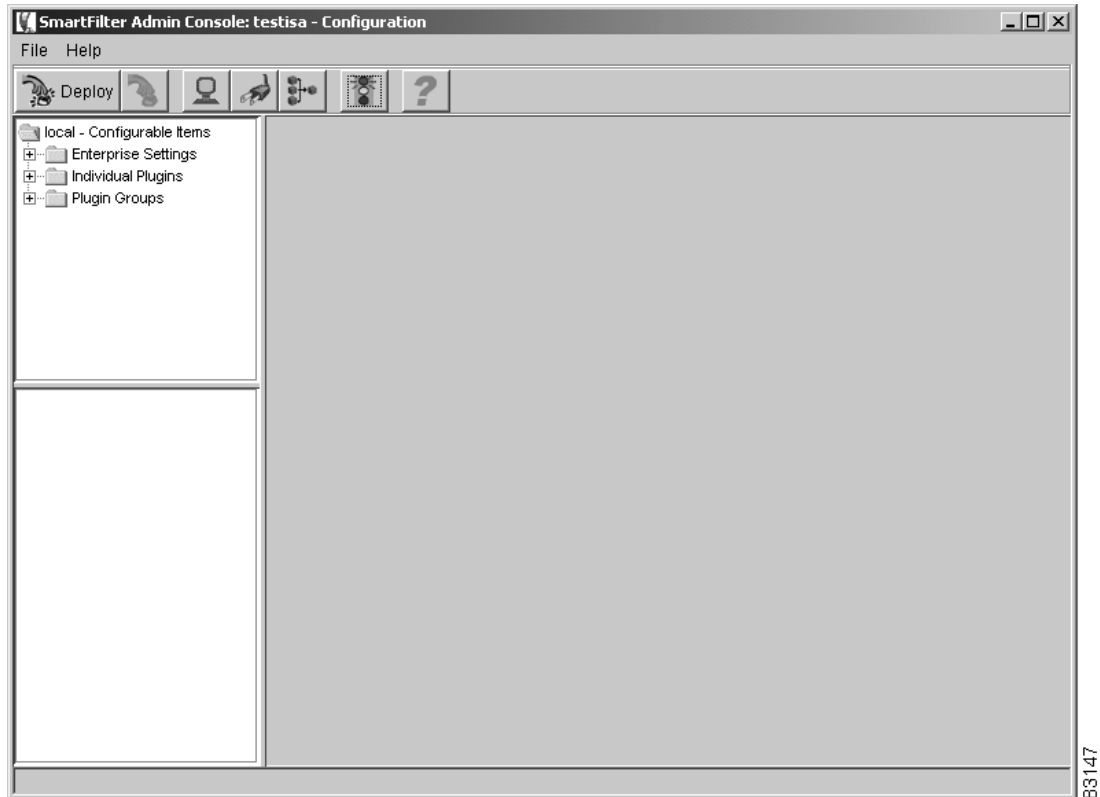
The administrator username and password entered in [Step 11](#) and [Step 12](#) can be the username and password you created during the SmartFilter Administration Server installation process or the default username and password (sfadmin and sfadmin).

- Step 13** Click **OK**.
- The directory tree items of the SmartFilter Administration Console appear.

## Using the SmartFilter Administration Console Windows

Once you are logged in to the Administration Server, the SmartFilter Administration Console Configuration window becomes active. As shown in [Figure 4-3](#), the SmartFilter Administration Console Configuration window is made up of three panes: two smaller navigation panes on the left displaying directory trees, and a larger display pane on the right. It also contains a toolbar and a menu bar, which are described later in this chapter.

Figure 4-3 SmartFilter Administration Console



When you click a folder in the directory tree of the top navigation pane, window names contained in the folder are listed in the bottom navigation pane. When you click a window name in the bottom navigation pane, the corresponding window configuration options appear in the larger display pane on the right.

## Using the Enterprise Settings Windows

The Enterprise Settings folder in the directory tree consists of the windows described in [Table 4-1](#). For each window, [Table 4-1](#) lists the window name, its description, and a link to find more information about the window.

**Table 4-1 Enterprise Settings Windows**

Window Name	Description
License	Contains information about your SmartFilter software, including the license activation key and expiration date, which are based on the date of your subscription and used by all SmartFilter plug-ins. You can also set or change the expiration behavior for SmartFilter software in this window. For more information, see the <a href="#">“Entering Licensing Information”</a> section on page 5-2.
Define Plugins	Allows you to add, change, copy, or delete plug-ins to be managed by this Administration Server. For more information, see the <a href="#">“Configuring Plug-In Definition Settings”</a> section on page 5-4.

**Table 4-1 Enterprise Settings Windows (continued)**

Window Name	Description
Define Plug-in Groups	Allows you to create groups for plug-ins that have exactly the same configuration. You can add plug-ins to and remove plug-ins from a plug-in group using this window. For more information, see the <a href="#">“Configuring Plug-In Groups”</a> section on page 5-8.
Directory Resources	Allows you to define the directories that SmartFilter uses for dynamic querying of user group information. For more information, see the <a href="#">“Defining Directory Resources Information”</a> section on page 5-12.
Manage Administrators	Allows you to add, change, or delete administrator accounts. For more information, see the <a href="#">“Entering Administrator Information”</a> section on page 5-15.

## Using the Individual Plug-Ins and Plug-In Group Setting Windows

The individual plug-in and plug-in group directory trees consist of the windows described in [Table 4-2](#).

**Table 4-2 Individual Plug-Ins and Plug-In Group Windows**

Window Name	Description
Hostname: Configuration	Contains information about an individual plug-in, including release, platform, name, and status; control list information (last download, expiration date, serial number); and agent information (release number). For more information, see the <a href="#">“Reviewing Plug-In Information”</a> section on page 5-7.
E-Mail Alert	Contains information that allows SmartFilter software to e-mail status information to the primary, secondary, or both SmartFilter software administrators. For more information, see the <a href="#">“Entering E-Mail Alert Information”</a> section on page 5-10.
IP Based URL Access	Defines how your company controls access to URLs by IP address. Users can access websites by entering a host name or an IP address. For more information, see the <a href="#">“Controlling IP-Based URL Access”</a> section on page 7-11.
Log Option	Contains information about the items you monitor in your proxy logs. For more information, see the <a href="#">“Configuring URL Logging Options”</a> section on page 8-12.
Category Names	Contains information about both the 30 predefined categories plus the 10 user-defined categories. For more information, see the <a href="#">“Renaming Control List Categories”</a> section on page 6-5.
Available Forbidden File Extensions	Displays the file extensions that can be classified as forbidden. You can block URL access based on the file type referenced in the request. SmartFilter software defines several default forbidden file extensions. For more information, see the <a href="#">“Defining Available Forbidden File Extensions”</a> section on page 7-9.

**Table 4-2 Individual Plug-Ins and Plug-In Group Windows (continued)**

Window Name	Description
Download Setup	Configures the Control List download parameters. This window stores the download site name, your username, and password. It also allows you to set the regular download schedule for the SmartFilter Control List. For more information, see the <a href="#">“Scheduling Control List Downloads”</a> section on page 6-2.
Custom Site	Allows you to locally add a URL to an existing category or recategorize an existing URL. You can also exempt a URL from being treated with the same policy actions assigned to the categories in which it exists. For more information, see the <a href="#">“Defining Custom Sites”</a> section on page 6-7.
Trim Custom Site	Allows you to remove duplicate entries that exist between your custom sites list and the latest SmartFilter Control List. For more information, see the <a href="#">“Trimming Custom Sites”</a> section on page 6-11.
Policy	Contains information about the SmartFilter software policies that you have set up for your company. For more information, see the <a href="#">“Defining SmartFilter Software Policies”</a> section on page 7-3 and <a href="#">“Configuring User Groups”</a> section on page 8-1.
User Group	Contains information about the policies associated with a particular group of users. For more information, see the <a href="#">“Configuring User Groups”</a> section on page 8-1.
User Directories	Determines not only which of the available directories to use but also the order of precedence in which to query them after you have used the Directory Resources window (see the <a href="#">“Defining Directory Resources Information”</a> section on page 5-12) to define the directories for your organization. For more information, see the <a href="#">“Configuring User Directories”</a> section on page 8-3.
Internal User	Contains information about the internal user directory created by the SmartFilter software administrator to control user or group based filtering. For more information, see the <a href="#">“Creating Users”</a> section on page 8-5.
IP Address Range	Allows you to define a user client range IP address. Like internal users, IP address ranges can be added to groups and have policies applied to them. For more information, see the <a href="#">“Creating IP Address Groups”</a> section on page 8-8.
View and Assign User(s)	Allows you to simultaneously view all groups that have been assigned a given policy and the individual users that are members of those groups. For more information, see the <a href="#">“Debugging Policies Using the View and Assign User(s) Window”</a> section on page 8-10.
Search Site	Restricts access to search sites when used with the Restricted Phrase window. It is important to define the search engines and their CGI <sup>1</sup> parameters so that the proper action is taken when you define restricted phrases. For more information, see the <a href="#">“Defining Search Sites”</a> section on page 7-12.

**Table 4-2 Individual Plug-Ins and Plug-In Group Windows (continued)**

Window Name	Description
Restricted Phrase	Restricts access to search sites when used with the Search Site window. Restricted phrases are by exact match. Phrase matches take precedence over word matches. In this window, you can add a word or phrase to restrict. You can also delete restricted words and phrases. For more information, see the <a href="#">“Identifying Restricted Words and Phrases”</a> section on page 7-15.
Coach Text	Contains the specific message that appears to users when they attempt to access a site for which you have allowed coached access. You can compose a unique message for each category. For more information, see the <a href="#">“Creating a Message for a Coached Category”</a> section on page 7-18.
Deny Text/URL	Contains the specific message or URL that appears to users when they attempt to access a site for which you have denied access. You can compose a unique message for each category. For more information, see the <a href="#">“Creating a Message for a Denied Category”</a> section on page 7-19.

1. CGI = Common Gateway Interface

## Using the SmartFilter Software Menus and Toolbar

The SmartFilter Administration Console has File and Help pull-down menus that allow you to perform a variety of functions.

### Using the File Menu Options

The File menu allows you to choose options that apply to your entire SmartFilter software configuration. The File menu options are described in [Table 4-3](#).

**Table 4-3 File Menu Options**

Option Name	Option Description
Deploy	Allows you to implement the changes you have just made to your SmartFilter software configuration. You must click Deploy so that the changes you have made using the SmartFilter Administration Console are written to the configuration files on the remote plug-ins. For more information, see the <a href="#">“Deploying Configurations to Plug-Ins”</a> section on page 5-17.
Import Users from Text File	Allows you to import user and group information into an internal user database of the plug-in. For more information, see the <a href="#">“Importing Users or Groups from a Text File”</a> section on page 8-7.
Configure Admin Servers	Allows you to add, delete, or change the characteristics of any of the configured SmartFilter Administration Servers. For more information, see the <a href="#">“Configuring Administration Servers”</a> section on page 4-9.

**Table 4-3 File Menu Options (continued)**

Option Name	Option Description
Logout Login to Admin Server	Allows you to log out of the Administration Server you are managing. The Login to Admin Server option allows you to log in to another SmartFilter Administration Server.
Exit	Allows you to close and shut down the SmartFilter Administration Console.

## Using the Help Menu






The Help menu allows you to obtain information about the SmartFilter Administration Console. It also provides help for entering information into the windows of the Administration Console. The Table of Contents for the online help follows the outline of the SmartFilter Administration Console directory tree structure.

You can also access online help by clicking the Help button in the toolbar of the Administration Console or by pressing F1 on your keyboard.



## Using the SmartFilter Software Toolbar

The SmartFilter Administration Console has a toolbar that contains the buttons described in [Table 4-4](#).

**Table 4-4 Administration Console Toolbar Buttons**

Icon	Name	Description
	Deploy	Opens a dialog box that allows you to deploy configurations to one or many plug-ins. For more information, see the <a href="#">“Deploying Configurations to Plug-Ins”</a> section on page 5-17.
	Deploy Individual	Deploys the configuration to the last selected plug-in or group. It becomes active only when one of the plug-ins is selected.
	Add Admin Server	Allows you to add an Administration Server. For more information, see the <a href="#">“Adding an Administration Server”</a> section on page 4-10.
	Add Plug-in	Allows you to add a plug-in. For more information, see the <a href="#">“Adding a Plug-In Definition”</a> section on page 5-5.
	Add Group	Allows you to add a group of identically configured plug-ins. For more information, see the <a href="#">“Adding a Plug-In Group”</a> section on page 5-9.

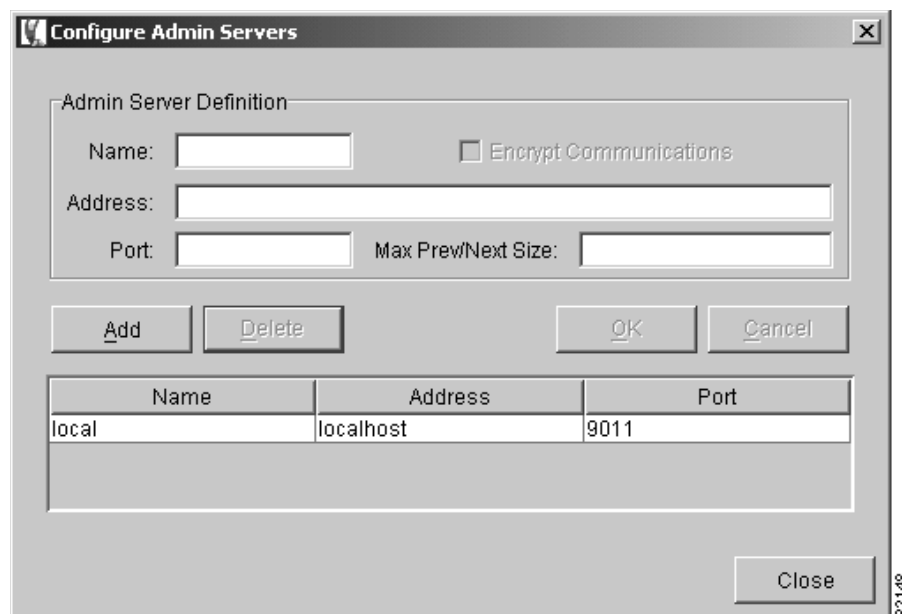
**Table 4-4 Administration Console Toolbar Buttons (continued)**

Icon	Name	Description
	Disconnect from Server/Log in to Server	Allows you to connect to or disconnect from the server.
	Help	Allows you to obtain information about the SmartFilter Administration Console. It also provides help for entering information into the windows of the SmartFilter Administration Console.

## Configuring Administration Servers

Using the SmartFilter Administration Console, you can manage multiple servers. The Configure Admin Servers window, shown in [Figure 4-4](#), is used for these tasks:

- [Adding an Administration Server](#)
- [Deleting an Administration Server](#)
- [Changing Administration Server Properties](#)

**Figure 4-4 Configure Admin Servers Window**

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## Adding an Administration Server

To add an Administration Server, follow these steps:

- 
- Step 1** Click the **Add Admin Server** button in the toolbar.  
The Configure Administration Servers window appears, and the cursor appears in the Name field.
- Step 2** Enter the name of the Administration Server you want to add.  
The name cannot contain a space or a comma.
- Step 3** Press **Tab** to reach the Address field and enter the address for the Administration Server. You can use either the IP address or the host name of the Administration Server.
- Step 4** Accept the default value in the Port field.
- Step 5** Press **Tab** to reach the Max Prev/Next Size field and enter a value that defines the maximum number of items that can appear at one time in windows with potentially large tables.  
An example is the Search Site window in the Administration Console. If more than the maximum number of items exists in one of these tables, the **Previous** and **Next** buttons become active so that you can move back and forth.
- Step 6** Determine whether or not to use encrypted communications.
- Check the **Encrypt Communications** check box to use encrypted communications. (Note that the port number changes.)
  - Uncheck the **Encrypt Communications** check box to use unsecured communications.
- Step 7** Click **OK**.  
The name, IP address, and port of the Administration Server that you added appear in the table.
- Step 8** Click **Close**.
- 

## Deleting an Administration Server

To delete an Administration Server, follow these steps:

- 
- Step 1** Choose **File > Configure Admin Servers** from the SmartFilter Administration Console.  
The Configure Admin Servers window appears.



**Note** If you use the toolbar button to access the Configure Admin Servers window, the cursor appears in the Name field.

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**Step 2** Choose the Administration Server that you want to delete.

**Step 3** Click **Delete**.

A warning message appears, asking whether you are sure you want to delete the Administration Server.

- If you are certain you want to delete the Administration Server, click **Yes**.
- If you do not want to delete the Administration Server, click **No**.



**Note** Clicking the **Close** button of the message indicates a Yes response.

## Changing Administration Server Properties

To change the Administration Server properties, follow these steps:

**Step 1** Choose **File > Configure Admin Servers** from the SmartFilter Administration Console.

The Configure Admin Servers window appears.



**Note** If you use the toolbar button to access the Configure Admin Servers window, the cursor appears in the Name field.

**Step 2** Choose the Administration Server that you want to change.

**Step 3** Update the appropriate property fields.

**Step 4** Click **OK**.

The name, IP address, and port for the Administration Server that you updated appear in the table.

**Step 5** Click **Close**.

## Enabling SmartFilter Software on the Cisco Content Engine

After configuring the SmartFilter software, you must enable the SmartFilter software application through the Cisco Content Engine graphical user interface (GUI) or command-line interface (CLI) before the SmartFilter software is fully functional.

To enable the SmartFilter software through the Cisco Content Engine GUI, follow these steps:

**Step 1** Log in to the web-based Administration Console on the Cisco Content Engine.

**Step 2** Choose **Caching > URL filtering**.

**Step 3** Click the **SmartFilter** radio button.

**Step 4** Click **Update**.

You are now ready to begin using SmartFilter software.

To enable SmartFilter software through the Cisco Content Engine CLI, follow these steps:

- 
- Step 1** Use Telnet to log in to the Cisco Content Engine.
- Step 2** Enable SmartFilter software from the Cisco Content Engine command-line interface by using the following global configuration command.

```
ContentEngine(config)# url-filter http smartfilter enable
```

Refer to the *Cisco Application and Content Networking Software Command Reference, Release 5.0* publication for more information on using the command-line interface.

You are now ready to begin using SmartFilter software.

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