

Admin Console

User Documentation

7.5



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Documentation Changes

This table describes the version history for this document.

Version	Date	What's New?
7.5	March 2014	How to Add a Hub License section has been updated.
7.1	December 2013	Robot selection section has been updated.
7.0	Sept 2013	Configurable HTTP/HTTPS communication between Admin Console and NMS. Simplified deployment of self-signed SSL certificates.
1.0	March 2013	Initial release of Admin Console.

Related Documentation

[Documentation for Admin Console compatible probes](#)

[Monitor Metrics Reference Information for CA Nimsoft Probes](#)

Contents

Chapter 1: Getting Started with Admin Console 7

Accessing Through UMP	7
Create a Page	8
Log in to Admin Console in UMP	9
Accessing Through Standalone Web Page	9
Log in to Admin Console in a Standalone Web Page	9
Interface Overview	10
Infrastructure Interface Overview	10
Robot Interface Overview	10
Archive Interface Overview	15

Chapter 2: Manage Licenses 17

How to Add a Hub License	17
How to View Robot Licenses	18
License Property Fields	18
How to Add a License	19
How to Delete a License	19

Chapter 3: Manage Users 21

How to View User Properties	21
User Property Fields	22
How to Add a New User	23
How to Delete a User	23
How to Modify a User	24

Chapter 4: Managing Security for Probes 25

How to View Probe Security Settings	25
Probe Security Access Fields	25
How to Assign Probe Security Access to a Probe	26
How to Modify Probe Security Access Levels	26
How to Delete Probe Security Access Levels	27

Chapter 5: Download Probes from Web Archive 29

How to Connect to the Web Archive	29
How to Download a Probe	29

Chapter 6: Deploy Probes Using Admin Console 31

Review Probe Prerequisites	32
Log in to Admin Console.....	32
Log in to Admin Console in UMP.....	32
Log in to Admin Console in a Standalone Web Page	33
Deploy a Probe to the Hub/Robot.....	33
Verify the Probe Package Deployed	33

Chapter 7: General Probe Configuration 35

How to Activate a Probe	35
How to Deactivate a Probe	36
How to Restart a Probe	36
How to Delete a Probe	36
How to Configure a Probe	37
Raw Configure Utility	37
How to Use Raw Configure	37
Probe Utility	38
How to Use Probe Utility.....	38
Probe Log Files	38
How to View a Probe Log File.....	38
How to Download a Log File.....	39
How to Clear a Log File.....	39

Chapter 1: Getting Started with Admin Console

This topic describes how to display and view data in the Admin Console. You can access the Admin Console either through the Unified Management Portal (UMP) or in a standalone web page.

NMS System Administrators and users with administrator or superuser permissions can access this application.

The standalone version of the Admin Console is installed during your NMS system installation. The Admin Console portlet is installed during your UMP installation.

The Admin Console application allows you to manage and maintain your hubs, robots, and probes on your CA Nimsoft Monitor system.

Accessing Through UMP

The Admin Console can run within an UMP portlet. Using Admin Console, you can manage and maintain your hubs, robots, and probes on your CA Nimsoft Monitor system.

Set up the page and portlet by following the procedures in the following section.

Create a Page

You can create custom pages where you control which portlets are displayed and the layout of the page. Two privacy settings are available:

Private

Pages display when you first log in. Only you can see private pages.

Public

Pages are accessed by choosing Go to, My Public Pages from the menu bar. Anyone on the Internet can see public pages.

To create a page:

1. [Add a page](#) (see page 8).
2. [Select a layout](#) (see page 8).
3. [Add portlets](#) (see page 8).

Add a Page

1. Choose Add, Page from the menu bar.
2. Enter a name for the page in the text box that is displayed next to the page tabs.
3. Click the green checkmark next to the text box.
4. Click the tab for the page.

The new page appears.

Select a Layout

1. Choose Manage, Page Layout from the menu bar.
2. Select the layout that you want.
3. Click Save.

Add Portlets

1. Choose Add, Portlet from the menu bar.
2. Click the + sign next to Monitoring.
3. Drag a portlet to the position on the page where you want to display it, or click Add next to the portlet.

To add more portlets to your layout, repeat these steps.

Log in to Admin Console in UMP

Follow these steps:

1. Connect to your UMP application in a web browser.
2. Enter a valid Nimsoft user name and password.

The CA Nimsoft Unified Management Portal opens to the USM portlet.

3. Click the Admin Console tab.

Note: If the Admin Console tab is not available, see the [Add Portlets](#) (see page 8) section to add this portlet.

The Admin Console screen appears.

Your NMS system is available for configuration.

Accessing Through Standalone Web Page

The Admin Console is available through a web page. The Admin Console allows you to manage and maintain your hubs, robots, and probes on your CA Nimsoft Monitor System.

Log in to Admin Console in a Standalone Web Page

Follow these steps:

1. Enter `http://<service_host>:8080/adminconsole` in your web browser window.

Note: `<service_host>` is the system where the `service_host` probe is installed.

2. Enter a valid NMS username and password.

The Admin Console application opens.

Interface Overview

This section introduces you to the Admin Console interface. The main window contains two buttons in the upper left corner to access the list of hubs/robots and the probe archive.

The upper right corner displays username and the help button ().

The arrow next to the username in the upper right corner is used to change the password or to logout of Admin Console.

The main window is divided into two sections. The left navigation pane displays the hubs and robots in a tree structure. The right pane displays either the robot or probe information that is based on your selection in the navigation pane.

At the top of each section is a filter to narrow your list. The filters only apply to the appropriate section of the screen.

Infrastructure Interface Overview

To manage your Hubs, select the Infrastructure button in the Admin Console screen.

The navigation pane displays the hubs and robots in a tree structure. The right side of the screen displays the robot information for the selected hub in the navigation pane.

The right pane displays the robot properties. See [How to Modify Robot Properties View](#) (see page 12) for more information.

The  (Help) icon opens the online help for the Admin Console application.

Robot Interface Overview

To manage your robots, select the Infrastructure button in the Admin Console screen then select a robot in the navigation pane.

The right pane provides four options for accessing information about your robot:

- Robot Properties
- Probes
- Packages Installed
- The environment variables.

Robot Properties

This screen displays the properties that are associated with your robot. This screen is a read-only screen and provides the following information for the robot:

OS Major

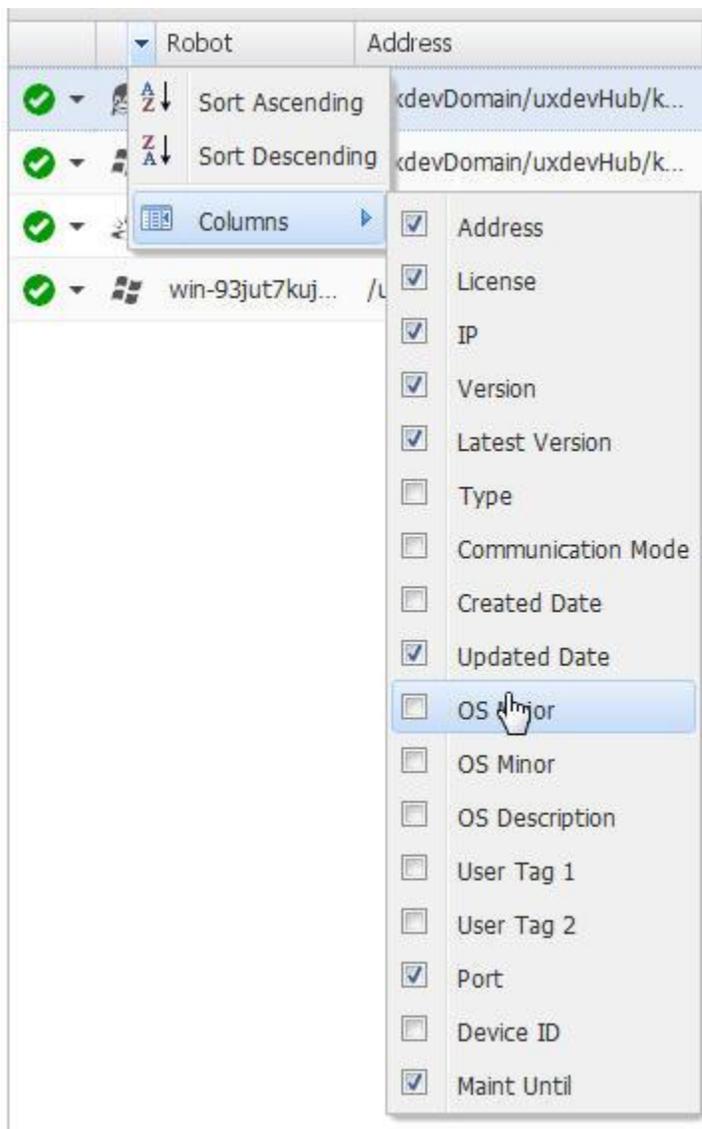
Operating system of the robot.

How to Modify Robot Properties View

Follow these steps:

1. In the right pane, click the arrow next to a column heading.
2. Click **Columns**.

A list of the available columns appears.



3. Select the checkbox next to every column you want to display.

Robot Property Fields

Robot

Name of the robot.

Type

Type of robot.

Address

Path to the robot in /<domain name>/<hub name>/<robot name> format.

License

True or False - Indicates whether the license is current for the robot.

IP

IP address of the robot.

Version

Version number of the robot.

Latest Version

Latest version of the robot.

Communication Mode

How the robot communicates with the hub. The robot can be in one of three modes:

- Passive
- Normal
- None

Created Date

Date the robot was created.

Updated Date

Date the robot was updated.

User Tag 1

A User-defined field.

User Tag 2

A User-defined field.

Port

Port number for the robot. Default is 48000.

Maint Until

Date the robot is scheduled to be returned to active status from maintenance mode.

Note: This field only applies to robots that are placed in maintenance mode.

OS Major

Operating system the robot is installed on.

OS Minor

Version of the operating system running on the robot.

OS Description

Brief description of the operating system. Example: Service Pack 1.

Processor

Processor on the system.

Started Time

Time the robot was started.

Robot Time

Time at the point you selected the robot properties.

Robot Time Zone

Time zone where the robot system resides.

Probes

This screen displays the probes that are installed on the robot and is used as the starting point for configuring your probes. The icon next to the probe name provides a drop-down list with tasks related to the probe. The menu includes:

- Activate
- Deactivate
- Restart
- Delete
- Configure
- Raw Configure
- Probe Utility
- View Log

These tasks are covered in the section on [General Probe Configuration](#) (see page 35).

Installed Packages

This screen displays the packages that are installed on your robot.

The fields are:

Package

Package that is installed on this robot.

Version

Version number of the installed package.

Build Number

The build number for the package.

Sections

Target platforms for the package.

Install Date

Date the package was installed on the robot.

Environment Variables

This screen displays the environment variables applicable to your robot. This list changes based on the operating system and probes that are installed on your robot.

Archive Interface Overview

This section describes the local archive, web archive, and distribution activities for the probes on your NMS system.

Local Archive

This screen displays the probes that reside in your local archive. This archive resides on the hub, therefore the list is the same for all robots that are connected to the hub. The archive lists the packages that have been downloaded to the local archive with the version, category, description, and link to the release notes. There can be more than one version of a package on the local archive.

If a newer version of the package exists on the web archive, an update button () is displayed on the right side of the screen.

You can deploy, import, group, and can delete probe packages from this screen. See the section titled [Deploy Probes Using Admin Console](#) (see page 31) for more information.

Web Archive

This screen displays the list of probe packages on the Nimsoft support archive. You must have a valid login and password for the Nimsoft support site to download any package. See [How to Connect to the Web Archive](#) (see page 16) section for more information.

The archive lists the packages that are currently available for downloading, with the version, category, description, and link to the release notes.

How to Connect to the Web Archive

Follow these steps:

1. Click the **Archive** button at the top of the Admin Console window.
2. Select the **Web Archive** button on the robot archive screen.
3. Click the key () icon.
4. Enter your username and password for the Nimsoft support site.
5. Click **Save**.

Distribution Activity

This screen displays a log of your probe package distributions with the status of each distribution. Your packages can be deployed individually or in groups.

Chapter 2: Manage Licenses

This section describes how to manage your probe licenses. An NMS Administrator typically performs these procedures. The robot licenses are managed from the Settings button in the upper-right corner of the Admin Console screen. The hub licenses are managed by clicking the Configure Hub () icon next to the hub name in the navigation pane.

This section contains the following topics:

[How to Add a Hub License](#) (see page 17)

[How to View Robot Licenses](#) (see page 18)

[How to Add a License](#) (see page 19)

[How to Delete a License](#) (see page 19)

How to Add a Hub License

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Configure Hub** () icon.
3. Click the **Change** () icon.
4. Cut and paste the hub license into the license field.
5. Click the **Save Changes** icon () .

The hub restarts to update the license information.

6. Click **Yes**.

How to View Robot Licenses

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Licenses**.
A Manage Licenses screen appears and contains a list of the probe licenses on your NMS system.

License Property Fields

You can customize the columns that appear by selecting the arrow next to any column heading and right-click. To sort either in ascending or descending order, or show or hide each license property field, use the arrow next to each field.

Product

Name of the probe.

Info

License description.

Expiration Date

Date the license expires.

IP

IP mask that is used to limit the systems that the probe is licensed to run on. An * indicates that the probe is licensed to run on all systems in this domain.

Number

Number of licenses for the probe package.

Code

Valid license code for the probe.

How to Add a License

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Licenses**.
A Manage Licenses screen appears and contains a list of the probe licenses on your NMS system.
4. Click the **Add** button.
The Add Licenses screen appears.
5. Click in the window and cut and paste the license key from the email you received from the support team.

How to Delete a License

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Licenses**.
A Manage Licenses screen appears and contains a list of the probe licenses on your NMS system.
4. Select the check box next to the probe license you want to delete.
5. Click the **Delete** button.
A confirmation message appears.
6. Click **OK** to delete the probe license.
The deleted probe license is no longer in the list.

Note: If the screen does not refresh, click the  (Refresh) button.

Chapter 3: Manage Users

This section describes how to manage NMS users. An NMS Administrator that has full ACL permissions typically performs these procedures.

This section contains the following topics:

[How to View User Properties](#) (see page 21)

[How to Add a New User](#) (see page 23)

[How to Delete a User](#) (see page 23)

[How to Modify a User](#) (see page 24)

How to View User Properties

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Users**.
A Manage Users dialog appears.
4. Select a user name in the left navigation pane.
The right pane displays the properties for the selected user.

User Properties (* - required) :

* User Name:	administrator
Full Name:	administrator
Description:	Initially created user with full privileges
* Password:	*****
Phone Number:	
* Profile:	default
* Acl:	Superuser
Mobile Phone Number:	
Email Address:	null

Cancel Save

Fields with an * are required fields. See the [User Property Fields](#) (see page 22) section for a description of the fields. To refresh the user list, click **Refresh Users** in the upper left corner of the screen.

User Property Fields

The user property fields are:

User name

The NMS user name. This field is read-only.

Full name

The full name for the NMS user.

Description

A brief description of the user.

Password

The password that is associated with the user name. Restrictions are: 6+ characters and cannot equal the user name.

Phone Number

The phone number for the NMS user.

Profile

The profile that is associated with the NMS user.

ACL

The access control list that is assigned to the NMS user.

Mobile Phone Number

The mobile phone number for the NMS user.

Email Address

The email address for the NMS user.

How to Add a New User

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Users**.
A Manage Users dialog appears.
4. Click **New User**.
5. Complete the fields, then click **Save**.
For field descriptions, see the [User Property Fields](#) (see page 22) section.

How to Delete a User

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Users**.
A Manage Users dialog appears.
4. Select a user in the navigation pane.
5. Click **Delete Selected**.
A confirmation message appears.
6. Click **Yes** to delete the user.

How to Modify a User

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Manage Users**.
A Manage Users dialog appears.
4. Select a user in the navigation pane.
5. Update the fields, then click **Save**.

Chapter 4: Managing Security for Probes

This section contains the following topics:

[How to View Probe Security Settings](#) (see page 25)

[How to Assign Probe Security Access to a Probe](#) (see page 26)

[How to Modify Probe Security Access Levels](#) (see page 26)

[How to Delete Probe Security Access Levels](#) (see page 27)

This section describes how to manage security for probes.

How to View Probe Security Settings

To view a list of the probes that are installed on your system and their respective access permissions, use the following procedure.

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Probe Security**.

The Probe Security screen appears. See the [Probe Security Access Fields](#) (see page 25) section for more information.

Probe Security Access Fields

The probe security access fields are:

Probe

Name of the probe.

Access

Access permissions.

IP Mask

The IP addresses of systems the probe is allowed to access. This field allows for the use of regular expressions. A wildcard (*) in this field allows access to all systems within the domain.

How to Assign Probe Security Access to a Probe

Use this procedure when a probe has not been assigned access permissions. To modify the existing access permissions of a probe, see [How to Modify Probe Security Access Levels](#) (see page 26).

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Probe Security**.
The Probe Security screen appears.
4. Click the **New** button.
A pop-up dialog appears.
5. Select the probe name from the drop-down list.
Note: Only probe names without access permissions are listed in this drop-down list.
6. Select the appropriate Access permissions from the drop-down list.
7. Click the **Create** button.
The security access permissions are now assigned to the probe.

How to Modify Probe Security Access Levels

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Probe Security**.
The Probe Security screen appears.
4. Click the access level next to the probe you want to modify.
A drop-down list button appears and the field refreshes.
5. Click the drop-down arrow and select the appropriate access level.
The screen refreshes with the new access level assigned to the probe.

How to Delete Probe Security Access Levels

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop-down list appears.
3. Select **Probe Security**.
The Probe Security screen appears.
4. Select the checkbox next to the probe you want to delete the security access.
5. Click the **Delete** button.
A confirmation message appears.
6. Click **OK**.
The probe is removed from the list after the screen refreshes.

Chapter 5: Download Probes from Web Archive

The following section describes how to connect to the web archive and download probes.

This section contains the following topics:

[How to Connect to the Web Archive](#) (see page 29)

[How to Download a Probe](#) (see page 29)

How to Connect to the Web Archive

Follow these steps:

1. Click the **Archive** button at the top of the Admin Console window.
2. Select the **Web Archive** button on the robot archive screen.
3. Click the key () icon.
4. Enter your username and password for the Nimsoft support site.
5. Click **Save**.

How to Download a Probe

Follow these steps:

1. Click the **Archive** button at the top of the Admin Console window.
2. Click **Web Archive**.
3. Select the check box next to the probe you want to download.
4. Click **Download**.

You receive a confirmation message.

Note: If your credentials are not entered you receive an error message. See the [How to Connect to the Web Archive](#) (see page 16) section for more information.

5. Click **Yes**.

The probe package is downloaded to your local archive.

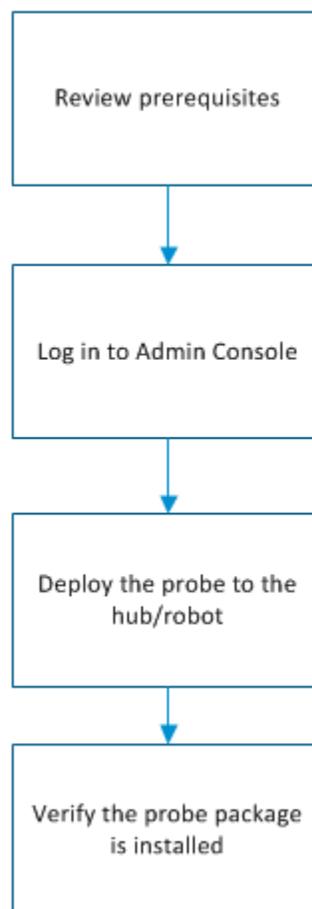
Chapter 6: Deploy Probes Using Admin Console

As a Nimsoft Monitor System (NMS) Administrator, you deploy probes using the Admin Console application. The NMS uses probes to monitor your system, send alarms and provide dashboards that display the status of your system. After deploying a probe you will need to configure the probe for your specific monitoring requirements.

How to Deploy a Probe



Administrator



This section contains the following topics:

[Review Probe Prerequisites](#) (see page 32)

[Log in to Admin Console](#) (see page 32)

[Deploy a Probe to the Hub/Robot](#) (see page 33)

[Verify the Probe Package Deployed](#) (see page 33)

Review Probe Prerequisites

The administrator reviews the prerequisites for each probe before they deploy the probe to a hub or robot. Reviewing this information enables the administrator to foresee environmental issues so probe deployment occurs smoothly. The probe prerequisite information can be found in the individual probe release notes and configuration document.

Log in to Admin Console

Admin Console can be accessed either through a standalone web page or through UMP. The procedure for accessing your Admin Console application depends on the version of the Admin Console installed on your system.

Log in to Admin Console in UMP

Follow these steps:

1. Connect to your UMP application in a web browser.
2. Enter a valid Nimsoft user name and password.

The CA Nimsoft Unified Management Portal opens to the USM portlet.

3. Click the Admin Console tab.

Note: If the Admin Console tab is not available, see the [Add Portlets](#) (see page 8) section to add this portlet.

The Admin Console screen appears.

Your NMS system is available for configuration.

Log in to Admin Console in a Standalone Web Page

Follow these steps:

1. Enter `http://<service_host>:8080/adminconsole` in your web browser window.
Note: `<service_host>` is the system where the `service_host` probe is installed.
2. Enter a valid NMS username and password.
The Admin Console application opens.

Deploy a Probe to the Hub/Robot

Follow these steps:

1. Click the **Archive** button at the top of the Admin Console window.
2. Click **Local Archive** or **Web Archive**.
Note: If the probe is not listed in the local archive and you deploy from the Web Archive, the probe will be download to your local archive.
3. Click the arrow button next to the hub name in the navigation pane to display the robots on the hub.
4. Select the check box(es) next to the name of the targeted robot(s) in the navigation pane.
The right pane displays the probes available on the archive you selected above.
5. Select the check box(es) next to the name of the probe(s) you want to deploy.
6. Click the **Deploy** button at the top of the probe listing.
You will receive a confirmation message.
7. Click **OK** to deploy the probe to the selected robot.

Verify the Probe Package Deployed

Follow these steps:

1. Click the **Infrastructure** button at the top of the Admin Console screen.
2. Select the name of the robot where you deployed the probe.
3. Select the **Probes** button at the top of the right pane.
The probe should be listed in the right pane.

The probe is now ready for you to configure.

Chapter 7: General Probe Configuration

This section describes the general probe administration tasks that you can perform in the Admin Console application. For specific probe configuration information, see the individual probe configuration documents that are included in the Admin Console Probe Catalog.

This section contains the following topics:

- [How to Activate a Probe](#) (see page 35)
- [How to Deactivate a Probe](#) (see page 36)
- [How to Restart a Probe](#) (see page 36)
- [How to Delete a Probe](#) (see page 36)
- [How to Configure a Probe](#) (see page 37)
- [Raw Configure Utility](#) (see page 37)
- [Probe Utility](#) (see page 38)
- [Probe Log Files](#) (see page 38)

How to Activate a Probe

Activate a probe that has been deactivated from the Infrastructure menu.

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **Activate**.
The probe is activated.

How to Deactivate a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **Deactivate**.
The probe is deactivated.

How to Restart a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **Restart**.
The probe is restarted.

How to Delete a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **Delete**.
The probe is removed from the robot.

How to Configure a Probe

The probe must be running to configure it.

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.

A pop-up menu displays.

4. Select **Configure**.

The configuration GUI for the probe appears. See the specific probe documentation for more information about probe configuration.

Raw Configure Utility

Many probes have their own custom configuration utility. For the probes that do not, Admin Console presents the probe configuration data in an editor similar to regedit.

Raw configure lets you add, delete, and modify the nodes in the configuration file, and the variable name/value elements.

Note: You can use this method for any probe.

How to Use Raw Configure

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.

A pop-up menu displays.

4. Select **Raw Configure**.

The Raw Configure screen appears.

Probe Utility

Using the Probe utility allows you to run a probe command set and view the output in the right pane for debugging purposes.

How to Use Probe Utility

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **Probe Utility**.
The probe utility screen appears.
5. To execute the command, select a command from the drop-down list then click the **green arrow** button.
The results are displayed in the right pane.

Probe Log Files

Each probe has a log file. This file contains information about the probe and is used for debugging purposes. A default of 500 lines displays in the Log viewer window. You can set this value to any number from 100 through 10,000 lines.

How to View a Probe Log File

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **View Log**.
The Log Viewer screen appears.

How to Download a Log File

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **View Log**.
The Log Viewer screen appears.
5. Select the **Download Log** () icon.
The download starts.

How to Clear a Log File

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane. If you can't see the robot, expand the navigation tree.
3. Click the icon next to the probe name.
A pop-up menu displays.
4. Select **View Log**.
The Log Viewer screen appears.
5. Click the **Clear** () icon.
The log file is cleared.