

Admin Console

User Documentation

6.5



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Documentation Changes

This table describes the version history for this document.

Version	Date	What's New?
1.0	March 2013	Initial release of Admin Console.

Related Documentation

Documentation for Admin Console compatible probes
(../Probes/AdminConsole/index.htm)

Monitor Metrics Reference Information for CA Nimsoft Probes
(../Probes/ProbeReference/index.htm)

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Chapter 1: Getting Started with Admin Console

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

NMS System Administrators and NMS 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.

Important! If you are accessing Admin Console and you receive a security certificate error message, you need to open Admin Console in the standalone version. After launching the standalone version of Admin Console, a message indicating that the site's security certificate is not trusted displays, click **Proceed anyway**. This only provides a temporary certificate. If you close your browser and then go back to the Admin Console application you will need to accept the certificate again.

This section contains the following topics:

[Accessing Through UMP](#) (see page 7)

[Accessing Through Standalone Web Page](#) (see page 9)

[Interface Overview](#) (see page 10)

Accessing Through UMP

The Admin Console is a portlet within the UMP portal. This portlet allows you to manage and maintain your hubs, robots and probes on your CA Nimsoft Monitor System.

If this is your first time using Admin Console you will need to 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. You can choose whether your pages are private pages, seen only by you, or public pages, which can be viewed by anyone on the Internet. When you first log in, your private pages are displayed. Public pages are accessed by choosing Go to, My Public Pages from the menu bar.

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 check mark next to the text box.
4. Click on the tab for the page to view it.

Select a Layout

1. Choose Manage, Page Layout from the menu bar.
2. Select the layout 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.

Repeat these steps to add more portlets to your layout.

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 `https://<service_host>:8443/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 the username used to access this application and the help button ().

Use the arrow next to the username in the upper right corner to change the password for this username or logout of the 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 robot or probe information based on your selection in the navigation pane.

At the top of each section is a filter you can use 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 hub selected 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, and Environment variables.

Robot Properties

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

OS Major

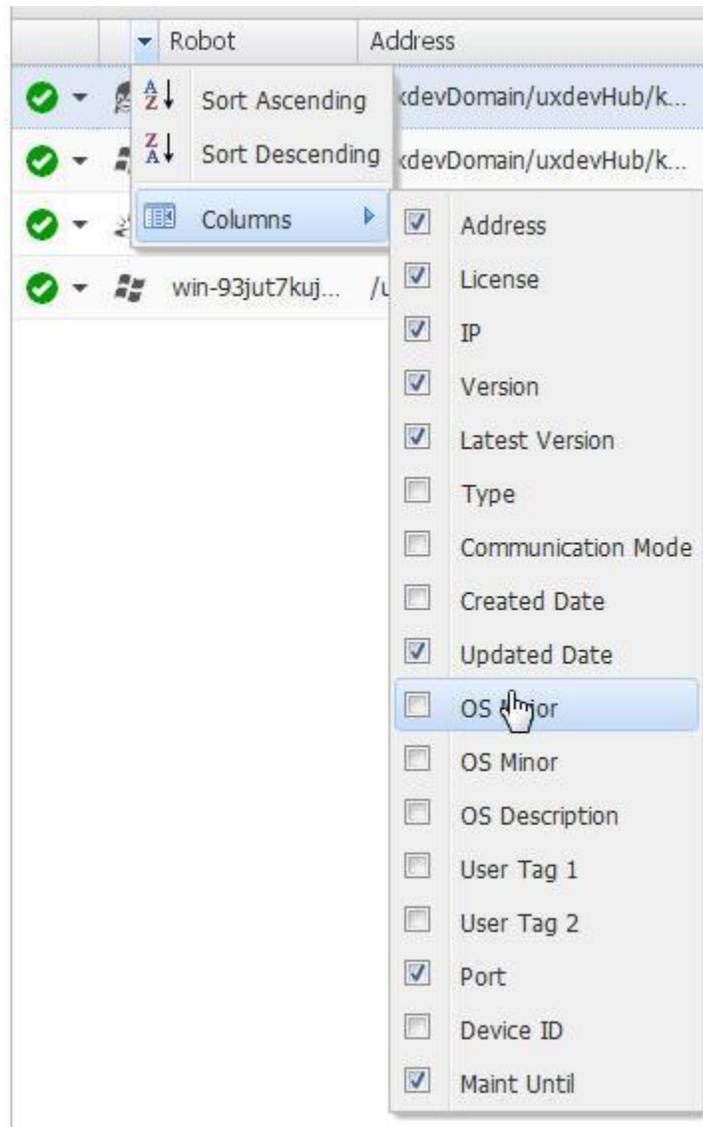
Operating system of the robot.

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 if 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 or none.

Created Date

Date the robot was created.

Updated Date

Date the robot was updated.

User Tag 1

User defined field.

User Tag 2

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 machine.

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 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 menu 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 [General Probe Configuration](#) (see page 35) section.

Installed Packages

This screen displays the packages installed on your robot.

The fields are:

Package

Package installed on this robot.

Version

Version number of the installed package.

Build Number

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 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 will be the same for all robots connected to the hub. The archive lists the packages that have been downloaded to the local archive along 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 delete probe packages from this screen. See the [Deploy Probes Using Admin Console](#) (see page 31) section 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, along 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 along 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. These procedures are typically performed by an NMS Administrator. 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 17)

[How to Add a License](#) (see page 18)

[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. Cut and paste the hub license into the license field.
4. Click **Save**.

The hub will need to restart to update the license information.

5. 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 menu 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

This screen displays the fields listed below. You can customize the columns that appear by selecting the arrow next to any column heading and right-click. A drop-down menu displays which allows you to sort ascending, sort descending or select the columns to display.

Product

Name of the probe.

Info

License description.

Expiration Date

Date the license expires.

IP

IP mask used to limit the systems the probe is licensed to run on. An * indicates 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 menu 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 menu 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 checkbox 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 screen refreshes and 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. These procedures are typically performed by an NMS Administrator who has Administrator ACL permissions.

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 menu appears.
3. Select **Manage Users**.
A Manage Users dialog box 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.

The user property fields are:

User name

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

Full name

The full name for the NMS user.

Description

A brief description of the user.

Password

The password 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 associated with the NMS user.

ACL

The access control list 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 menu appears.
3. Select **Manage Users**.
A Manage Users dialog box 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 menu appears.
3. Select **Manage Users**.
A Manage Users dialog box 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 menu appears.
3. Select **Manage Users**.
A Manage Users dialog box appears.
4. Select the user you want to modify in the navigation pane.
5. Update the fields, then click **Save**.

Chapter 4: Probe Security

This section allows you to:

- Specify the security level a probe has when accessing other probes in the same domain. If a security level is not specified, the probe has the lowest security level set. The lowest security level allows only very limited actions against other probes. Typically the probe security is set during probe installation.
- Limit the computers a probe has access to by assigning the corresponding IP addresses. A wildcard (*) in this field means the probe has general access rights to all computers within the domain.

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 27)

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

How to View Probe Security Settings

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.

A drop down menu appears.

3. Select **Probe Security**.

The Probe Security screen appears. This screen lists the probes installed on your system and their respective access permissions. See the [Probe Security Access Fields](#) (see page 26) section for more information.

Probe Security Access Fields

The probe security access fields are:

Probe

Name of the probe.

Access

Access permissions.

IP Mask

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. If the probe already has access permissions see [How to Modify Probe Security Access Levels](#) (see page 27).

Follow these steps:

1. Log in to the Admin Console.
2. Click the **Settings** button.
A drop down menu appears.
3. Select **Probe Security**.
The Probe Security screen appears.
4. Click the **New** button.
A pop-up dialog box appears.
5. Select the probe name from the drop-down menu.
Note: Only probe names without access permissions will be listed in this drop-down menu.
6. Select the appropriate Access permissions from the drop-down menu.
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 menu appears.
3. Select **Probe Security**.
The Probe Security screen appears.
4. Click on the access level next to the probe you want to modify.
The field refreshes and a drop-down menu button appears.
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 menu 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 screen refreshes and the probe has been removed from the list.

Chapter 5: Download Probes from Web Archive

Use this section 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 checkbox next to the probe you want to download.
4. Click **Download**.

You will receive a confirmation message.

Note: If your credentials are not entered you will 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.

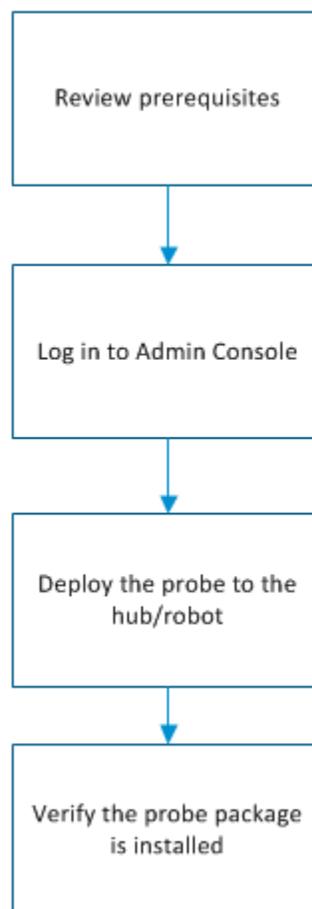
Chapter 6: Deploy Probes Using Admin Console

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 `https://<service_host>:8443/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 you can perform in the Admin Console application. For specific probe configuration information, see the individual probe configuration documents 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

Use this procedure to activate a probe that has been deactivated.

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Activate**.
The probe will be activated.

How to Deactivate a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Deactivate**.
The probe will be deactivated.

How to Restart a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Restart**.
The probe will be restarted.

How to Delete a Probe

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Delete**.
The probe will be removed from the robot.

How to Configure a Probe

The probe must be running in order

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Configure**.

The configuration GUI for the probe appears. Refer to the specific probe documentation for more information on probe configuration.

Raw Configure Utility

Many probes have their own custom configuration utility. For those 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, as well as 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.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Raw Configure**.

The Raw Configure screen appears.

Probe Utility

The Probe utility allows you run the selected probe's command set and watch the output in the right pane. This is useful for debugging purposes.

How to Use Probe Utility

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on the icon next to the probe name.
A pop-up menu displays.
4. Select **Probe Utility**.
The probe utility screen appears.
5. Select a command from the drop down menu, then click the **green arrow** button to execute the command.
The results are displayed in the right pane.

Probe Log Files

Each probe has a log file. This file contains information on 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 between 100 and 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.
You may have to expand the navigation tree to see the robot.
3. Click on 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.
You may have to expand the navigation tree to see the robot.
3. Click on 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 to start the download.

How to Clear a Log File

Follow these steps:

1. Click the **Infrastructure** button.
2. Select the robot in the navigation pane.
You may have to expand the navigation tree to see the robot.
3. Click on 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 to clear the contents of the log file.