

Chapter 10

Setting Up the License Server

This chapter describes how to configure basic properties for the license server on Solaris platforms and how to start, stop, and monitor the server on Solaris platforms. Topics in this chapter include:

- Configuring Initial Settings for the License Server on Solaris Platforms on page 81
- Starting the License Server on Solaris Platforms on page 86
- Monitoring the License Server on Solaris Platforms on page 86
- Stopping the License Server on Solaris Platforms on page 87

Configuring Initial Settings for the License Server on Solaris Platforms

For server licenses, you configure the initial properties for the license server and install a license, before you can use the SAE. You can also customize license server configuration to send e-mail notifications of alarms, set a threshold for alarms, tune performance of the license server engine, and change directory and file information.

For information about customizing configuration for the license server, see *Chapter 25, Customizing and Managing the License Server*.

The license server monitors the consumption of the license resources and allocates licenses to client SAEs up to the number supported by the license. The license server obtains most of its information from the directory. A local configuration file, */opt/UMC/licsvr/etc/bootstrap.properties*, stores initial configuration information that cannot be stored in the directory, such as the attributes to connect to the directory. Use the information in this section to create and modify the configuration file.

Use the local configuration tool to configure the *bootstrap.properties* file.

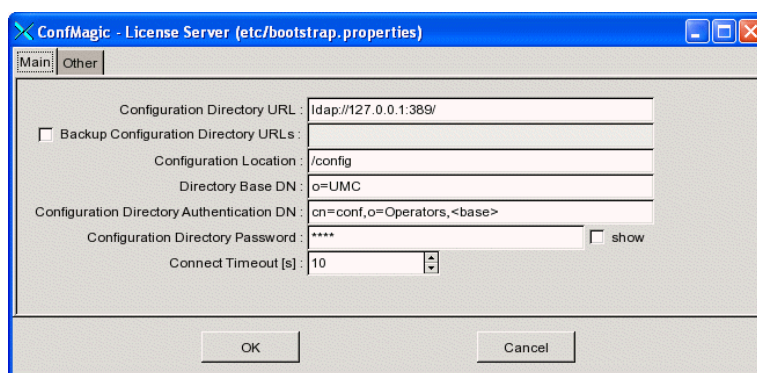
For information about using the local configuration tool, see *Chapter 37, Configuring Local Properties*.

To create the local configuration file and configure the properties for the license server:

1. On the SAE host, log in as **root** or as an authorized nonroot admin user.
2. Start the local configuration tool from the license server installation directory.

/opt/UMC/licsvr/etc/config -l

The first time that you issue this command, it creates the *bootstrap.properties* file and displays the local configuration tool window for the properties.



3. Configure the properties by using the field descriptions in *Directory Fields for License Server* on page 82 and *Miscellaneous Fields for License Server* on page 84.
4. Click OK.

Directory Fields for License Server

Use the Main tab in the local configuration tool for License Server to configure directory information.

Configuration Directory URL

- URL of the directory server that stores the license server configuration information.
- Value—ldap:// <URL>
- Default—ldap://127.0.0.1:389

Backup Configuration Directory URLs

- URL of a backup directory server that stores the license server configuration information.
- Value—ldap:// <URL>
- Default—List of directory URLs, with URLs separated by commas

Configuration Location

- Name of the directory that stores the license server *bootstrap.properties* file.
- Value—Text string in the format / < DIRECTORY_NAME >
where < DIRECTORY_NAME > is the name of directory where the license server *bootstrap.properties* file is stored
- Default—*/config*

Directory Base DN

- Distinguished name (DN) of the root directory for the SAE.
- Value—DN of the root directory for the SAE
- Guidelines—You must set this attribute if you use a directory-naming scheme different from the default.
- Default—*o = umc*

Configuration Directory Authentication DN

- DN of the entry in the directory that authenticates the license server's directory bind.
- Value—DN of the entry used to authenticate the directory bind for the license server
- Default—*cn = conf, o = operators, < base >*

Configuration Directory Password

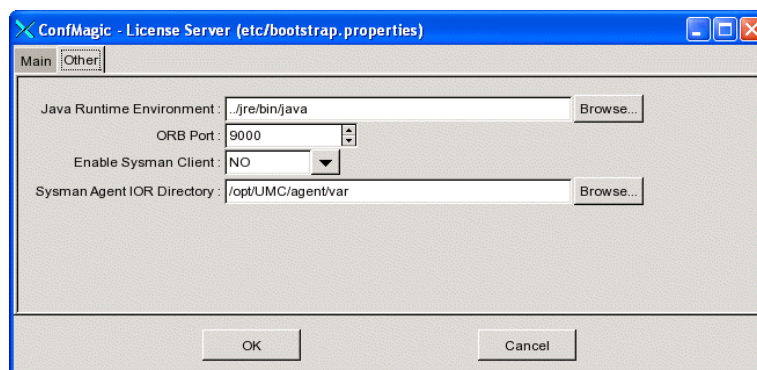
- Authentication password.
- Value—Text string
- Default—*conf*

Connect Timeout

- Interval during which a connection must be made.
- Value—Number of seconds in the range 0–2147483647
- Default—10

Miscellaneous Fields for License Server

Use the Other tab in the local configuration tool for license server to configure parameters for Java, the object request broker (ORB), and the SNMP agent.



Java Runtime Environment

- Path to the Java Runtime Environment (JRE).
- Value—/ < path_name >
- Default—../jre/bin/java

ORB Port

- Port on which the application server ORB listens for requests
- Value—Any valid port number
- Default—9000

Enable Sysman Client

- Whether or not you can configure support for viewing license server information with the SNMP agent.
- Value
 - Yes—If you are using the SNMP agent, enables the client.
 - No—Disables client support. Select NO If you are not using the SNMP agent.
- Default—No

Sysman Agent IOR Directory

- Folder that contains the interoperable object reference (IOR) file for the license server. The license server writes its object references to this folder, and the SNMP agent discovers license server components by monitoring the license server IOR file in this folder.
- Value—Path to the folder that contains the IOR

- Guidelines—By default, the license server IOR file is in the *var* folder, which is relative to the SNMP agent installation folder (*/opt/UMC/agent*). You need to change this property only if you installed the SNMP agent in a folder other than the default folder, or if you previously changed this property and now need it to point to the folder where the IOR file currently resides.
- Default—*/opt/UMC/agent/var*

5. Enter the host ID value.

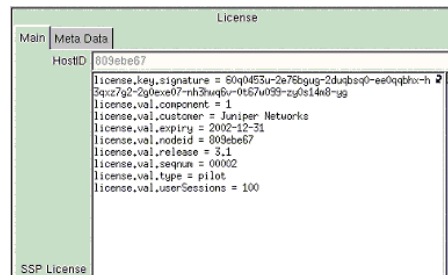
See the section *Chapter 8, Overview of SRC Licenses*.

6. Click **OK**.

The value appears in the HostID field of the Main tab of the License pane.



7. Enter the license provided by Juniper Networks in the SSP License field of the Main tab of the License pane, and click **Save**.



8. Repeat Steps 5 and 7 for each host with its related host ID and license.

Starting the License Server on Solaris Platforms

After you install the SRC components, start the license server before you start the SAE for the first time. After you have started the license server and the SAE, you can stop and restart either component at any time.

To start the license server:

1. On the host on which the license server is installed, log in as **root** or as an authorized nonroot user.
2. Start the license server from its installation directory:

```
/opt/UMC/licsvr/etc/licsvr start
```

Monitoring the License Server on Solaris Platforms

To verify that the license server is running:

1. On the host on which the license server is installed, log in as **root** or as an authorized nonroot user.
2. Display the status of the license server from its installation directory:

```
/opt/UMC/licsvr/etc/licsvr status
```

Stopping the License Server on Solaris Platforms

To stop the license server:

1. On the host on which the license server is installed, log in as `root` or as an authorized nonroot user.
2. Stop the license server from its installation directory:

`/opt/UMC/licsvr/etc/licsvr stop`

