

SOA Software Platform 7.x: Configuring a Standalone Container

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SOA Software Platform

configuring_standalone_container

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Table of Contents

Chapter 1 | Configuring a Standalone Container 4

 GUI Configuration..... 4

 Silent Configuration..... 6

Chapter 1 | Configuring a Standalone Container

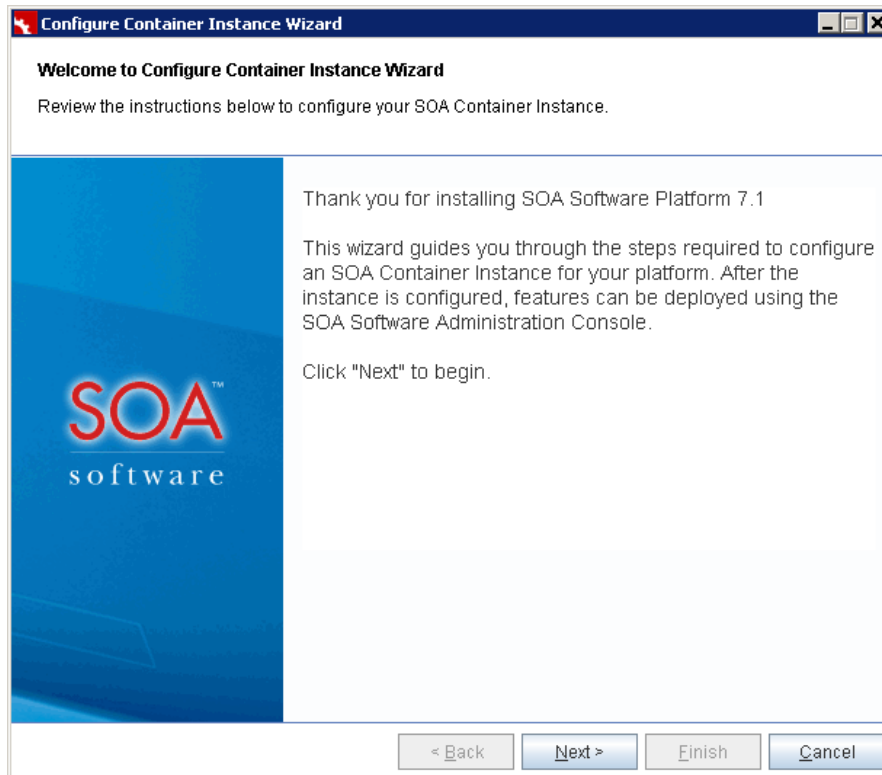
The Configure Container Instance Wizard is used to configure a Standalone Container Instance. The container configuration process creates a basic container configuration with a minimum set of OSGI bundles, sets the SOA Software Platform Default properties, and sets the SOA Software Platform Default Repository. Select one of the following configuration methods:

GUI Configuration

- 1 Navigate to the SOA Software Platform release directory `c:\sm70\bin` and enter:

- `startup.bat configurator` (Windows)
- `startup.sh configurator` (UNIX)

The *Welcome to Configure Container Instance Wizard* screen displays. Navigate through the wizard using **Next** and configure the options based on your requirements.



- 2 On the *Instance Name* screen, specify the name of the container instance (e.g., PolicyManager).

- 3 On the *Default Admin User* screen, define the **Username** and **Password** credentials of the administrator that will be using the *SOA Software Administration Console*.
 - **Password:** Specify the default login password for the SOA Software Administration Console.
 - **Hide Password:** Display password as encrypted or decrypted.
- 4 On the *Instance Configuration Options* screen, select the **Standalone Deployment** container deployment option.
- 5 On the *Default HTTP Listener* screen, set the default HTTP Port and Host IP Address for this instance. This listener configuration will be used as the *SOA Software Administration Console* address.
 - **Port:** Represents the default HTTP Port.
 - **Bind to all interfaces:** Listener binds to the 0.0.0.0 address. "localhost" or any other valid IP for the machine can be used to connect to the client/browser.
 - **Bind to a specific interface:** Host name is used to connect to the client/browser.

The Default HTTP Listener information is used to compose the SOA Software Administration Console URL as follows:

`http://<hostname>:<port>/admin/`

Note: The trailing forward slash is required in the Admin Console URL (i.e., `admin/`).

- 6 On the *Instance Startup* screen, select the option that best meets your deployment requirements.
 - **Start Standalone Process:** Runs the "startup <instance>" command line script located in the `sm70\bin` directory.
 - **Install as Windows Service:** Installs the instance as a Windows Service. The Instance can be managed via the "Services" dialog in the Windows Program Group (Control Panel/Administrative Tools/Services).
 - **Do Not Start Instance:** Configures the instance but does not start it. Instance can be started manually after the configuration is complete by executing the "startup <instance>" command line script in the `sm70\bin` directory.

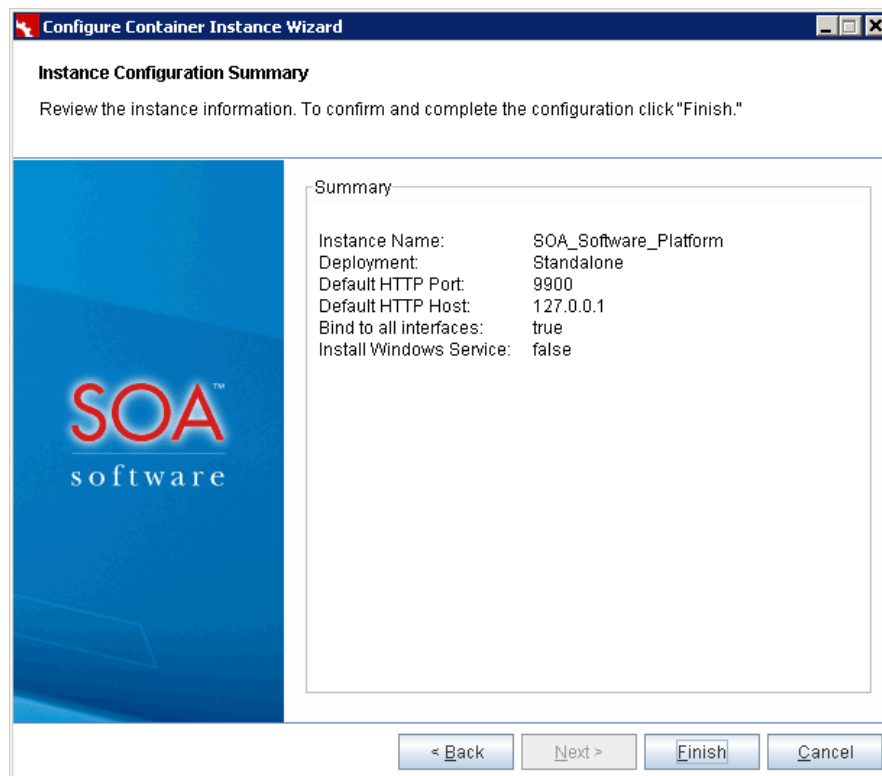
Note: The *Instance Startup* screen does not display on UNIX systems because a manual startup is required. Refer to http://docs.soa.com/docs-test/ag/admin_console/start_stop_container_instance.htm for container startup instructions upon completion of this wizard. On the Launch Admin Console screen:

- If you selected the auto-start instance option on the *Instance Startup* screen, you can launch the *SOA Software Administration Console* automatically after confirming your configuration.
- If you did not select the auto-start instance option, uncheck the **Launch Admin Console** checkbox, and manually launch it in a browser by specifying

`http://<hostname>:<port>/admin`. The trailing forward slash is required in the Admin Console URL (i.e., `admin/`)

Note: The *Launch Admin Console* screen does not display on UNIX systems because a manual startup is required. Refer to http://docs.soa.com/docs-test/ag/admin_console/start_stop_container_instance.htm for container startup instructions upon completion of this wizard.

- 7 On the *Instance Configuration Summary* screen, review the summary information and click **Finish**. If you chose to auto-launch the *SOA Software Administration Console*, the script that displays on the bottom of the screen will say "starting <instance name>."



This completes the container configuration process. To install features, navigate to the *Available Features* tab Using the Administration Console topic for more information.

http://docs.soa.com/docs-test/ag/admin_console/using_admin_console.htm

Silent Configuration

Define a set of property files with pre-defined values to automatically run the *Configure Container Instance Wizard* and configure a container instance.

- 1 A Standalone Deployment uses the following base properties:
 - **container.instance.name:** Name of the container.

- **credential.username:** Username for logging into the SOA Software Administration Console.
 - **credential.password:** Password for logging into the SOA Software Administration Console.
 - **default.host:** Host for the container instance.
 - **default.port:** Port for the container instance.
- 2 Define a properties file (e.g., myprops.properties) and add the following default content:

```
container.instance.name=instancename
credential.username = administrator
credential.password = password
default.host=host.domain.com
default.port=9900
```

- 3 Run the silent configuring using the following system properties:
- **silent** (If True, silent configuration will be performed)
 - **properties** (location on filesystem of property file to be used for configuration)

Windows:

```
\sm70\bin>startup.bat configurator "-Dsilent=true" "-Dproperties=C:/<property file directory location>/myprops.properties"
```

UNIX:

```
\sm70\bin>startup.sh configurator -Dsilent=true -Dproperties=/export/home/username/<property file directory location>/myprops.properties
```

- 4 Perform the following prerequisite steps before launching the *SOA Software Administration Console*:

Deploy Database Driver: Verify that a database driver for the database used with the current container configuration is deployed to the `c:\sm70\instances\<container instance>\deploy` folder. If a database driver is not deployed, copy the database driver to the `\deploy` directory. Refer to the *Database Management Systems* section of the PM7x System Requirements http://docs.soa.com/docs-test/sp/system_requirements_pm7x.htm

- **Clear Browser Cache:** Clear the browser cache. This is necessary to ensure that user interface changes included in the Policy Manager update(s) display properly.
- **Manually Installing Policy Manager Schemas:** If you have a requirement to manually install the Policy Manager schemas, contact SOA Software Customer Support prior to beginning this installation to obtain a series of schema installation scripts and additional instructions.

- 5 Start the container instance using one of the following methods:

Start / Stop Process in Windows

- **Start:** Navigate to `sm70\bin` and type `startup <instance name>`

Start Process as Windows Service

- Launch Program Group (Settings /Control Panel/Administrative Tools/Services)
- Select SM 7.0 - <Container Instance> - Note that the instance name is displayed as the Container Key.

Start / Stop Process in UNIX

- **Start:** Navigate to `sm70/bin` and type `startup.sh <instance name>`
- **Stop:** Navigate to `sm70/bin` and type `shutdown.sh`