

HP SOA Systinet

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Administrator Guide

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Welcome to This Guide

Welcome to HP SOA Systinet, the foundation of Service Oriented Architecture, providing an enterprise with a single place to organize, understand, and manage information in its SOA. The standards-based architecture of SOA Systinet maximizes interoperability with other SOA products.

How This Guide is Organized

The administrator has a number of responsibilities both within SOA Systinet and regarding its maintenance.

This guide contains the following parts:

Part I, “User Management”. Administering the users and groups in SOA Systinet.

Part II, “System Administration”. A procedural guide to the common tasks expected of the system administrator.

Part III, “Administration Utilities”. A guide to both command line and client tools provided with SOA Systinet.

Document Conventions

The typographic conventions used in this document are:

run.bat make	Script name or other executable command plus mandatory arguments.
<code>[--help]</code>	A command-line option.
either or	A choice of arguments.
<i>replace_value</i>	A command-line argument that should be replaced with an actual value.
<code>{arg1 arg2}</code>	A choice between two command-line arguments where one or the other is mandatory.
<code>rmdir /S /Q System32</code>	Operating system commands and other user input that you can type on the command line and press Enter to invoke. Items in <i>italics</i> should be replaced by actual values.
<code>C:\System.ini</code>	Filenames, directory names, paths and package names.
<code>a.append(b);</code>	Program source code.
<code>server.Version</code>	An inline Java or C++ class name.
<code>getVersion()</code>	An inline Java method name.
Shift-N	A combination of keystrokes.
Service View	A label, word or phrase in a GUI window, often clickable.
New->Service	Menu choice.

Documentation Updates

This manual's title page contains the following identifying information:

- Software version number
- Document release date, which changes each time the document is updated
- Software release date, which indicates the release date of this version of the software

To check for recent updates, or to verify that you are using the most recent edition of a document, go to:

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Support

Mercury Product Support

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- If you have an active HP Software support contract, visit the HP Software Support Web site and use the Self-Solve Knowledge Search to find answers to technical questions.
- For the latest information about support processes and tools available for products formerly produced by Mercury, we encourage you to visit the Mercury Customer Support Web site at: <http://support.mercury.com>.
- For the latest information about support processes and tools available for products formerly produced by Systinet, we encourage you to visit the Systinet Online Support Web site at: <http://www.systinet.com/support/index>.
- If you have additional questions, contact your HP Sales Representative.

HP Software Support

You can visit the HP Software Support Web site at:

www.hp.com/managementsoftware/services

HP Software online support provides an efficient way to access interactive technical support tools. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts

- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

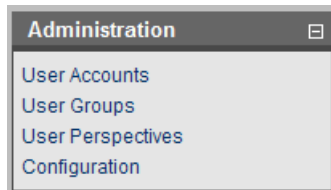
Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract. To find more information about access levels, go to: www.hp.com/managementsoftware/access_level

To register for an HP Passport ID, go to: www.managementsoftware.hp.com/passport-registration.html

Part I. User Management

The administrator has additional management options that are not visible to other user perspectives. In the **Tools** menu there is an **Administration** section:

Figure 1. Administration Menu



Additionally, the administrator can manage permissions at the artifact level using the **Access Rights** context action.



If LDAP is used for account management then the appropriate LDAP server administration functions should be used for user and group management and not the SOA Systinet administration functions described in this part of the guide.

This part describes these additional administration functions:

- [Managing User Accounts on page 13](#)
- [Managing User Groups on page 17](#)
- [Managing User Perspectives on page 21](#)
- [SOA Systinet Configuration Options on page 23](#)
- [Access Rights on page 25](#)

1 Managing User Accounts

In the **Administration** section of the tools menu, click **User Accounts** to open the **Browse Accounts** page.

Input a search term and click **Go** to find users matching your input.



This search function operates in the same way as described in the Full Text Search section in the HP SOA Systinet User Guide.

Figure 1. Browse Accounts

Tools

Browse Accounts

Tools > Browse Accounts

This page displays user accounts. Click a username to view their account details. Create a new account by clicking 'New Account'.

[New Account](#)

Search	Clear	
Login Name	Full Name	Description
admin	administrator	The only user who is allowed to change configuration an...
manual001	Manual 001	
manual002	Manual 002	
manual003	Manual 003	
manual004	Manual 004	
manual005	Manual 005	
manual006	Manual 006	
manual007	Manual 007	
manual008	Manual 008	
manual009	Manual 009	

Information:The result of LDAP query is truncated by using the count limit search control. The query produced too many answers. Please narrow your search filter or increase default count limit. Read the documentation in order to suppress the warning.

This view allows the administrator to review user accounts. If the SSO user account store is on the SOA Systinet database, the administrator can also create and edit accounts with this UI. However, if the account store is on an LDAP server, this UI is read-only. In the latter case, changes to the user account store must be made by the LDAP administrator.



You cannot use this UI to create or edit accounts on an LDAP server. This has to be done using the LDAP server's own tools.

To create a new user account click **New Account** to open the **Create New Account** page and complete the details as described in the Creating an Account section in the HP SOA Systinet User Guide.

Click an account name to open the **View Account** page:

Figure 2. User Account View

The screenshot shows a web interface for viewing a user account. At the top, it says 'View Account' and 'Tools > View Account'. Below that is a message: 'This page displays account information. Update it by clicking "Edit".' There are buttons for 'Change Password', 'Clone Account', 'Edit', and 'Delete'. The account information is organized into sections: 'Basic Information' (Login Name: johnuser, Full Name: John User, Email: blah@blah), 'Personal Information' (Phone Number, Instant Messenger, Language Code: English, Description), 'Preferences' (Default user language: English, All known user languages: English, Platform Administrator: no), 'Address', and 'Group Membership' (system#everyone, system#registered). There are 'Edit' and 'Delete' buttons at the bottom right.

Basic Information	
Login Name:	johnuser
Full Name:	John User
Email:	blah@blah

Personal Information	
Phone Number:	
Instant Messenger:	
Language Code:	English
Description:	

Preferences	
Default user language:	English
All known user languages:	English
Platform Administrator:	no

Address	

Group Membership	
system#everyone, system#registered	

This is the same page that any other user would see with two additions:

- **Clone Account.** The **Clone Account** page is identical to the **Create New Account** with all the information copied from the user account.
- **Group Membership.** This section displays the user groups that the account is a member of.

Click **Edit** or **Change Password** to change the account details as described in the Managing Your Account section in the HP SOA Systinet User Guide.

2 Managing User Groups

In the **Administration** section of the tools menu, click **User Groups** to open the **Browse Groups** page:

Figure 1. Browse Groups



The screenshot shows the 'Browse Groups' page. At the top left is the title 'Browse Groups' and at the top right is the breadcrumb 'Tools > Browse Groups'. Below the title is a message: 'This page displays user groups. Click a group name to view its details.' On the right side, there is a blue button labeled 'New Group'. Below this is a search bar with 'Find' and 'Clear' options. The main content is a table with two columns: 'Name' and 'Description'.

Name	Description
system#everyone	The special group that contains all users.
system#intranet	The special group that contains users who are part of intranet domain.
system#registered	The special group that contains all users who are logged in the UDDI registry.

This view allows the administrator to review user groups. If the SSO user account store is on the SOA Systinet database, the administrator can also create and edit groups with this UI. However, if the account store is on an LDAP server, this UI is read-only. In the latter case, changes to user groups must be made by the LDAP administrator.



You cannot use this UI to create or edit user groups on an LDAP server. This must be done using the tools provided on the LDAP server.

Creating a New User Group

To create a new user group:

- 1 Click **New Group** to open the **Create New Group** page:

Figure 2. Create New Group

Create new Group

Tools > Create new Group

Enter the new group information and click 'Save' to create the group or 'Cancel' to abort and return to the list of groups.

Basic Information

Name: * Buyer

Description: Procurement

Defines administrators:

Group Memberships

Search for: john in: Full Name Go

Login Name	Full Name
johnuser	John User

Add

Save Cancel

- 2 Complete the page with the parameters:

Parameter	Definition
Name	The name for the new user group
Description	A description of the user group
Defines Administrators	Check the box if this group has administrator privileges

- 3 You can also select the members of this new group. Use the search function to identify users and click **Add** to select new users from the search list and click the cross next to a user in the group to remove them.
- 4 Click **Save** to create the new group.

Editing a User Group

To edit a user group:

- 1 In the **Browse Groups** click the group name to open its **Detail View**.
- 2 Click **Edit** to open the **Edit View**.
- 3 Change the group parameters as required and click **Add** to add new members and click the cross next to a member to remove them.
- 4 Click **Save** to confirm your changes.

3 Managing User Perspectives

In the **Administration** section of the tools menu, click **User Perspectives** to open the **Browse Perspectives** page.

Each perspective offers a different view of SOA Systinet. The membership of a perspective is controlled by the administrator.

To edit the membership of a perspective:

- 1 In the **Browse Perspectives** click the perspective name to open its **Detail View**.
- 2 Click **Edit** to open the **Edit View**.
- 3 Click **Add** to add new user groups and click the cross next to a group to remove it.
- 4 Click **Save** to confirm your changes.

4 SOA Systinet Configuration Options

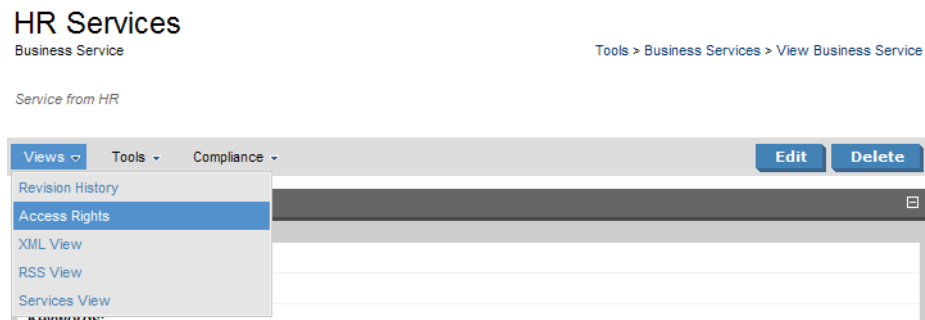
This configuration page allows you to control user access to certain tools.

- **Disabling automatic user registration.** This checkbox controls whether **Register as a New User** is available at **Sign On**.
- **Enable Full Text Search.** Check this box to enable full text search as described in Full Text Search section in the HP Systinet User Guide.
 - ▶ Full text search must also be enabled on the database as described in the Configuring the Database for Full Text Searching section in the HP SOA Systinet Installation Guide.

5 Access Rights

To edit the access rights for an artifact:

- 1 In the **detail view** of an artifact in the **Views** context menu click **Access Rights** to open the **View Access Rights** page:



- 2 Click **Edit** to open the **Edit Access Rights** page:

Edit Access Rights

AtomicWeightBusinessService Services > View Service > View Access Rights > Edit Access Rights

Set up permissions. Click 'Save' to save your changes or 'Cancel' to return to the previous page.

Basic Information ☰

Type	Document
Owner	user000021

Assigned Permissions ☰

Type	Name	Read Permission	Write Permission
Group	system#everyone	<input checked="" type="checkbox"/>	<input type="checkbox"/>
User	systinet:anonymous	<input type="checkbox"/>	<input type="checkbox"/>
	admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


Groups
Users

Search Clear

Login Name	Full Name	
admin	administrator	Add
demouser	LR tester	Add
mac	Jan Maska	Add
user000000	tester0	Add
user000001	tester1	Add
user000002	tester2	Add
user000003	tester3	Add
user000004	tester4	Add
user000005	tester5	Add

Save
Cancel

3 To grant access rights to a user or group click **Add** and set the read and write permissions.

 To allow a guest user access rights to the artifact set the permissions for the **systinet:anonymous** account.

To remove access rights from a user or group uncheck both permission boxes.

4 Click **Save** to confirm your changes.



Permissions are cumulative. For example, if an individual user without write permission is a member of a group with permission then the user inherits permission to edit the artifact. Conversely, a user with write permission who is a member of a group without permission retains permission to edit the artifact.

Part II. System Administration

This chapter contains details of tasks that are required to administer an installation of Systinet 2.


- **Data Migration on page 31.** Migrating data from previous versions of SOA Systinet
- **SSO Partner Management on page 33.** Managing Single Sign-On partner domains

6 Data Migration

You can migrate data and configuration from SOA Systinet and HP SOA Systinet Policy Manager versions 2.0 and 2.1 by performing the following procedure:

- 1 In the earlier installation of SOA Systinet, run the **repositoryexport** tool. This creates an image of the repository. (See the System Administration chapter of the earlier version's documentation and [Repository Export Tool on page 57.](#))
- 2 If you were using HP SOA Systinet Policy Manager, it stored its assertions in a separate relational database. Export the assertions from that database with the `get` tool of your earlier HP SOA Systinet Policy Manager installation. (See Backup and Restoration in the User's Guide of your earlier HP SOA Systinet Policy Manager documentation for details.) The command will be similar to:

```
OLD_PM_HOME/bin/get [-u administrator_username ] [-p password ] [-r ] [-O target_directory ]  
[http://localhost:9900/systinet/policymgr/rest/assertions/]
```
- 3 Transform the exported data to prepare it for import to SOA Systinet. Use the `migrate` tool with the following syntax:

```
NEW_PLATFORM_HOME/bin/migrate [-s image -d image] [-a assertions]
```
- 4 Run the **NEW_PLATFORM_HOME/bin/repositoryreset** tool on the new database (not required if the installation is brand new and the server has never been started).
- 5 Update the `PLATFORM_HOME/conf/sdm/sdmConfig.xml` file in the new installation if required.
 The HP SOA Systinet Customization Editor should be used to make these changes.
- 6 Use the **PLATFORM_HOME/bin/repositoryimport** tool to import data into the new database.
- 7 If you are using the SOA Systinet userstore instead of LDAP in your new installation then use the **SSO_HOME/bin/import** tool to import the userstore data from the image to the database.



If the repositoryimport tool gives a warning about `sdmConfig.xml` being different, possible reasons include:

- The versions of SOA Systinet have different configurations. No update is needed if this is the only reason.
- Your exported `sdmConfig.xml` contains some customizations. In this case you must make the same changes to `sdmConfig.xml` in the new installation using the HP SOA Systinet Customization Editor.
- Changes were made to your exported `sdmConfig.xml` during installation of an application such as HP SOA Systinet Policy Manager. You should *not* merge these changes into `sdmConfig.xml` in the new installation. They will be made automatically if you install the same SOA Systinet application to your new installation of SOA Systinet platform.

7 SSO Partner Management

An SSO partner is any SSO-enabled application. The SSO domain is a set of SSO partners managed by and using one instance of SSO services. Each SSO partner is introduced to the SSO domain by its SSO descriptor. The SSO descriptor is an XML document containing the partner's X509 certificate and the location of its SSO endpoints, which are necessary to integrate this partner to the SSO domain.

Partner Domains

In the SSO domain, all partners trust each other. The trust is set up by the SSO configuration service exposing its REST interface at the location `/rest/descriptor`, eg. `http://localhost:8080/sso/rest/descriptor`. You can get the SSO descriptors of all SSO partners in the domain by a simple HTTP GET operation. The `ssoconfig` tool in `sso/bin` can be used for this, with the `get` option.

To integrate to the SSO domain, the SSO partner must know the URL of the SSO configuration service, have its SSO descriptor deployed to the SSO configuration service and know the private key coupled with the X509 certificate in the SSO descriptor.

Modifying SSO Descriptors

To download and deploy the descriptor of an SSO partner, use the `ssoconfig` tool, located in `SSO_HOME/bin`. This is useful when the location of some SSO partner in the domain changes its URL, so that its SSO endpoints are not accessible anymore. To solve this issue, simply download the SSO descriptor:

```
ssoconfig get -e partner_name -s http://localhost:8080/sso -d
```

Change the URL in the file `[partner_name].xml` and upload it back to the configuration service:

```
ssoconfig update -s http://localhost:8080/sso -u admin -p changeit -f partner_name.xml
```

We assume the root URL of your SSO service is at `http://localhost:8080/sso`, administrator credentials are `admin:changeit` and the name of your partner entered during the product installation is "`partner_name`" (usually something like `urn:systinet2:polycymgr:1.2:hostname:8443`). Note that the partner name may contain

information about the hostname and port. The name must be preserved even if you change the hostname or port without reinstalling the product.

8 Configuration Procedures

System configuration is maintained using the setup tool. The tool enables you to reset the parameters set during installation and also to make additional changes to your installation. The execution of the tool is described in [Setup Tool on page 51](#).

This chapter describes the processes executed by the setup tool that are not described as part of the installation process:

- [Applying Extensions on page 35](#)
- [Applying Updates on page 36](#)

Applying Extensions

SOA Systinet can be extended with libraries that are added into the deployed .ear files. The setup tool opens the .ear files, applies the extensions and repacks the .ear files.

Extensions to SOA Systinet come from the following sources:


- The HP SOA Systinet Customization Editor
- HP SOA Systinet Policy Manager extensions used to create assertions in HP SOA Systinet Assertion Editor. These extensions are custom validation handlers. You must apply them to the HP SOA Systinet Policy Manager server in order for HP SOA Systinet Policy Manager to use assertions created with them.

To apply extensions to SOA Systinet:

- 1 Make sure that all extensions are in the `PLATFORM_HOME/extensions` directory. The setup tool automatically applies all extensions in that directory.




If you are applying extensions to another server substitute `PLATFORM_HOME` with the relevant home directory.

- 2 Stop the server.
- 3 Start the setup tool by executing **PLATFORM_HOME/bin/setup.bat(sh)**.
 -  The application server to which SOA Systinet is deployed must not be running.
- 4 Choose the **Apply Extensions** scenario and click **Next**. The setup tool automatically validates the step by connecting to the server, copying the extensions and merging the SDM configuration.
- 5 Enter the path to the application server installation requiring the extension and any other parameters specific to your AS and click **Next**. The setup tool then confirms this information.
- 6 Click **Next** to complete the process by unpacking the SOA Systinet .ear and .war files, and **Next** to merge the SDM and UI configurations, generating all necessary schemas and repacking the .ear and .war files. Note that this takes some time.
- 7 Click **Finish** to end the process.
- 8 Restart the server.

Applying Updates

Product updates from HP Systinet are applied to the using the setup tool. For more details see [Setup Tool on page 51](#).

To apply an update:

- 1 Copy the update to the `PLATFORM_HOME/updates` folder.
 -  If you are applying extensions to another server substitute `PLATFORM_HOME` with the relevant home directory.
- 2 Stop the application server.
- 3 Start the setup tool by executing **PLATFORM_HOME/bin/setup.bat(sh)**.



The application server to which SOA Systinet is deployed must not be running.

- 4 Choose the **Apply Updates** scenario and click **Next**. The setup tool automatically validates the step by connecting to the server and applying the update.
- 5 Click **Finish** to close the setup tool.
- 6 After applying updates, you need reapply any required extensions using the procedure described in [Applying Extensions on page 35](#).
- 7 Restart the application server.

Part III. Administration Utilities

SOA Systinet administration utilities consist of command-line tools located in the home directories of each installed server component of SOA Systinet:

- [SSO Server Utilities on page 41](#)
- [Reporting Server Utilities on page 43](#)
- [Platform Server Utilities on page 45](#)
- [Policy Server Utilities on page 49](#)

Some of these utilities are then described individually in chapters:

- [Setup Tool on page 51](#)
- [Update Management Tool on page 55](#)
- [Repository Export Tool on page 57](#)
- [Repository Import Tool on page 59](#)
- [Repository Reset Tool on page 61](#)
- [SSO Configuration Tool on page 63](#)
- [Reporting Import/Export Tool on page 65](#)

9 SSO Server Utilities

The SSO server utilities are in folder `SSO_HOME/bin`. These are either `.bat` batch files or `.sh` shell scripts, depending on the server operating system.

- ▶ If a command requires arguments, running it without arguments will display a help screen unless otherwise stated.

Table 1. Summary of SSO Admin Utilities

Command	Description
<code>env-jboss</code>	Called by <code>serverstart</code> to set critical system variables for the application server (see JBoss Server Setup in the HP SOA Systinet Installation Guide for more details).
<code>export [image_directory]</code>	Exports an image of the SSO database to the specified directory.
<code>import [image_directory]</code>	Imports a saved image of an SSO database from the specified directory.
<code>setup</code>	Starts the setup tool to reconfigure the sso server (see Setup Tool on page 51). Use <code>--help</code> to view the available options.
<code>serverstart</code>	Calls <code>env-jboss</code> to set critical system variables and then starts the SSO application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.
<code>serverstop</code>	Stops the SSO application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.
<code>ssoconfig</code>	Manages SSO entities in the SSO trust domain (see SSO Configuration Tool on page 63). Use <code>--help</code> to view the available options.

10 Reporting Server Utilities

The reporting server utilities are in folder `REPORT_HOME/bin`. These are either `.bat` batch files or `.sh` shell scripts, depending on the server operating system.



If a command requires arguments, running it without arguments will display a help screen unless otherwise stated.

Table 1. Summary of Reporting Admin Utilities

Command	Description
<code>env-jboss</code>	Called by <code>serverstart</code> to set critical system variables for the application server (see JBoss Server Setup in the HP SOA Systinet Installation Guide for more details).
<code>importexport</code>	Import data from a local directory or jar file or export data to a given directory (see Reporting Import/Export Tool on page 65).
<code>serverstart</code>	Calls <code>env-jboss</code> to set critical system variables and then starts the reporting application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.
<code>serverstop</code>	Stops the reporting application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.
<code>setup</code>	Starts the setup tool to reconfigure the reporting server (see Setup Tool on page 51). Use <code>--help</code> to view the available options.

11 Platform Server Utilities

The platform server utilities are in folder `PLATFORM_HOME/bin`. These are either `.bat` batch files or `.sh` shell scripts, depending on the server operating system.



If a command requires arguments, running it without arguments will display a help screen unless otherwise stated.

Table 1. Summary of Platform Admin Utilities

Command	Description
configurationexport <export file>	Exports an image of the configuration table to the specified image file.
configurationimport <export file>	Imports a saved image of the configuration table from the specified image file.
create	Create a resource using the http interface (see the REST Interface section in the HP Systinet Developer Guide).
delete	Delete a specified resource using the http interface and also supports the UNDELETE and PURGE operations (see the REST Interface section in the HP Systinet Developer Guide).
env	A help script to set system variables. We recommend using the setup tool instead.
env-jboss	Called by serverstart to set critical system variables for the application server (see JBoss Server Setup in the HP SOA Systinet Installation Guide for more details).
get	Gets a resource using the http interface with an option to save it to a specified file and also supports the EXIST operation (see the REST Interface section in the HP Systinet Developer Guide).
migrate	Converts an image of the repository data from older versions of SOA Systinet to an image compatible with this version. See Data Migration on page 31 for details.
repositoryexport	Exports an image of the repository database (see Repository Export Tool on page 57).
repositoryimport	Imports a saved image of the repository database (see Repository Import Tool on page 59).
repositoryreset	Drops and recreates the database and then imports data from a saved image. (see Repository Reset Tool on page 61).
serverstart	Calls env-jboss to set critical system variables and then starts the platform application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide.
serverstop	Stops the platform application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.

Command	Description
setup	Starts the setup tool to reconfigure the platform server (see Setup Tool on page 51). Use <code>--help</code> to view the available options. Use <code>--help</code> to view the available options.
update	Update a specified resource using the http interface (see the REST Interface section in the HP Systinet Developer Guide)
updatetool	Called by the setup tool to install updates to the product. Can be used standalone via the command line as described in Update Management Tool on page 55 .

12 Policy Server Utilities

The policy server utilities are in folder `POLICY_HOME/bin`. These are either `.bat` batch files or `.sh` shell scripts, depending on the server operating system.



If a command requires arguments, running it without arguments will display a help screen unless otherwise stated.

Table 1. Summary of Policy Admin Utilities

Command	Description
<code>env-jboss</code>	Called by <code>serverstart</code> to set critical system variables for the application server (see JBoss Server Setup in the HP SOA Systinet Installation Guide for more details).
<code>serverstart</code>	Calls <code>env-jboss</code> to set critical system variables and then starts the policy application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide.
<code>serverstop</code>	Stops the policy application server. For production environments we recommend the procedure described in the Launching SOA Systinet section in the HP SOA Systinet Installation Guide. Use <code>--help</code> to view the available options.
<code>setup</code>	Starts the setup tool to reconfigure the policy server (see Setup Tool on page 51). Use <code>--help</code> to view the available options. Use <code>--help</code> to view the available options.
<code>updatetool</code>	Called by the setup tool to install updates to the product. Can be used standalone via the command line as described in Update Management Tool on page 55 .

13 Setup Tool

Included with SOA Systinet is the Setup Tool. You can use it for the following functions, which you choose as **Scenarios** when running the tool:

- Complete reconfiguration – change the configuration of SOA Systinet that was set up at installation. This is the *default* use of the setup tool. You can run the setup tool as a GUI wizard or you can use a prepared configuration file. You can also use the UI wizard to create a reuseable configuration file. The use is identical to the installation procedure. Please refer to the HP SOA Systinet Installation Guide for details.
- Apply extensions – install extensions to SOA Systinet contained in the `PLATFORM_HOME/extensions` directory as described in [Applying Extensions on page 35](#).
- Apply updates – install updates to SOA Systinet, which are downloaded or copied to the `PLATFORM_HOME/updates` directory as described in [Applying Updates on page 36](#).
- Advanced – reconfigure individual components of SOA Systinet. This is identical to the **Advanced** installation scenario. Please refer to the HP SOA Systinet Installation Guide for details.
- Reconfigure the SSO server to use LDAP accounts. Please refer to the LDAP Accounts Integration section in the HP SOA Systinet Installation Guide for details.



In SOA Systinet, the platform, HP SOA Systinet Policy Manager, SSO, and reporting servers each have their own setup tools. Their uses are entirely analogous. The instructions for the setup tool apply equally to the platform, policy, and reporting setup tools. Substitute `SSO_HOME`, `PM_HOME` or `REPORT_HOME` for `PLATFORM_HOME`.

To run the setup tool execute the **setup** script for your OS from `PLATFORM_HOME/bin`. By default this runs the UI wizard.

There are a number of options for the **setup** command. List them all by entering `setup --help`:

- Run setup noninteractively with **setup --silent**. In this case, Setup uses a previously generated properties file with installation configuration. You can specify the configuration properties file with the **--use-config** option. Otherwise setup uses `PLATFORM_HOME/conf/setup/configuration-properties.xml`.
- Create and save an installation/setup properties configuration file without executing it by running **setup --save-config config_filename** (give an arbitrary name, or absolute path, in place of `config_filename`). You can use this configuration file later with the **--use-config** option.



When you run setup without this option, the configuration properties are still saved, in the file `PLATFORM_HOME/conf/setup/configuration-properties.xml`. However, this file has the lowest priority when you run setup again. A file you create with the **--save-config** option has the highest priority.

You can use the following options only when running setup in the console:

- Run setup with a prepared configuration file by entering **setup --silent --use-config config_filename**. If you do not specify `config_filename`, the setup tool will use the default `PLATFORM_HOME/conf/setup/configuration-properties.xml` file. Values in this file may be overridden by values in the database configuration table. You can only use a prepared configuration file with noninteractive installation/reconfiguration.

The scenario used to create the configuration file is applied when it is used. For example, if the configuration was saved from an Advanced scenario where the only step was Database Setup, when that configuration file is used again, it will be an Advanced scenario where only Database Setup is executed.

- Choose the setup scenario with the **--scenario scenario_name** option. The possible values for `scenario_name` are as follows:

Default	A complete reinstallation of SOA Systinet over the current installation
Apply Extensions	Installs extensions to SOA Systinet contained in the <code>PLATFORM_HOME/extensions</code> directory
Apply Updates	Installs all available updates, from <code>PLATFORM_HOME/updates</code>

- To force the advanced reconfiguration scenario, where you choose which individual steps of the installation process to execute, use the **--steps (comma-separated list of steps)** options. The exact name

of each step must be used. These names may differ from the step names used in the installation wizard, as follows:

Name	Installation Step
RDBMS Setup	Database Setup
CFG_DB_Setup	Configuration Table Setup
Server Properties	Endpoint Properties
SSO SP Creation	SSO Identity Setup
Repository Import	Repository import
uiPerspectiveImport	UI Perspective Import
Enterprise Application deployment	Application Server Selection
Create datasource	Datasource Setup
Application Server SSL setup	SSL Setup
Create JMS queue	JMS setup

- Display debug information with **--debug**.

Examples:

setup(.sh) --save-config config.xml runs the Setup UI wizard and saves the results as the configuration file `config.xml`, in the same directory as the Setup tool script (`PLATFORM_HOME/bin` by default. If you wanted to save the file in `PLATFORM_HOME/conf/setup`, like the default configuration file, you would run **setup(.sh) --save-config ../conf/setup/config.xml**. Note that this command does not actually execute the `setup.config`

setup(.sh) --silent --use-config ../conf/setup/config.xml executes the previously created reinstallation configuration file `PLATFORM_HOME/conf/setup/config.xml`.

14 Update Management Tool

For minor updates between major releases the update management tool is available. It can display installed updates, install and uninstall updates and check each new update to ensure that any prerequisite updates have already been installed.



This tool should only be used when the setup tool is unavailable or undesirable.

HP delivers the update in the form of an `update-jar` file. Copy it to the `PLATFORM_HOME/updates` folder.

To use the tool navigate to `PLATFORM_HOME/bin` and execute the following command with one of the available options:

updatetool [OPTION]

no option lists the upgrades that are available

`-l, --list` lists the currently installed updates

`-i, --install` installs the updates in the `updates` directory

`-u, --uninstall update-name` uninstalls the named update. This update must be the latest installed.



Updates are installed to the local version of the ear, located in the `PLATFORM_HOME/depoly` directory. After the updates are installed the tool informs you via the console that the ear must be redeployed.

Any extensions must be reapplied as described in [Applying Extensions on page 35](#).

15 Repository Export Tool

The **repositoryexport** tool exports the following:

- all resource and resource related data
- configuration files

into an image in the specified location.

The command line is:

```
repositoryexport -i image [option ...]
```

The options are:

- s silent mode which does not report progress
- q quiet mode which does not request confirmation



SOA Systinet must not be running while running this script.

16 Repository Import Tool

The **repositoryimport** tool is used to import an image of the repository into the database.

The command line is:

```
repositoryimport [ option ...]
```

The options are:

- `-i image | -url url` optional path on the local filesystem or a URL location of an image to reset from
- `-s` silent mode which does not report progress.
- `-q` quiet mode which does not request confirmation.
- `--ignore` if an imported resource is already in the database the imported version is ignored.
- `--force` if an imported resource is already in the database, it is overwritten.
- `--bootstrap` import the image in bootstrap format.
- `--update-blacklist` append imported resources to the migration blacklist, useful for bootstrap installation.
- `--reset-blacklist` save imported resources to the migration blacklist.
- `--ignore-sdm-merge-warn` does not abort if SDM merge check reports warnings only.
- `--migrate` perform online phase of the migration process at the end of the import



SOA Systinet must not be running while running this script.

17 Repository Reset Tool

The **repositoryreset** tool executes the following operations:

- Drops the database.
- Creates a new database.
- imports data (default or from an external location)

The command line is:

```
repositoryreset [ option ...]
```

The options are:

- s silent mode which does not report progress
- q quiet mode which does not request confirmation



SOA Systinet must not be running while running this script.

18 SSO Configuration Tool

The **ssoconfig** command manages SSO entities in the SSO trust domain.

It can be used for the following operations:

- To obtain a list of SSO descriptors for all the partners in the domain as described in [Partner Domains on page 33](#).
- To download and modify SSO partner descriptors as described in [Modifying SSO Descriptors on page 33](#).

The syntax for ssoconfig is:

```
SSO_HOME/bin/ssoconfig [ACTION] [-f FILE | -e ENTITY_ID | -d DIR] [-s SSO_CONFIG_SERVICE_URL] -u ADMIN_USERNAME -p ADMIN_PASSWORD
```

Where *ACTION* is one of:

get	Downloads either a single entity configuration (if -e option is used) or all entity configurations to the specified directory
create	Creates a new SSO entity configuration
update	Updates an existing SSO entity configuration
delete	Deletes an existing SSO entity configuration

The remaining options are:

-f, --file	The path to the file, where the entity configuration is stored
-e, --entity-id	The entity ID of the managed entity
-d, --dir	The output directory for entity configurations
-s, --server-url	The URL of the SSO server

-u, --username	The administrator name for the SSO server
-P, --password	The password for the SSO server

Examples:

ssoconfig get -d partners/ip -e ip -s http://localhost:8080/sso -u admin -p ch angeit outputs the SSO descriptor of the partner called ip to the directory `partners/ip`.

ssoconfig get -d partner -s http://localhost:8080/sso -u admin -p changeit outputs all SSO descriptors to the directory `partner`.

ssoconfig create -f new_entity.xml -s http://localhost:8080/sso -u admin -p ch angeit creates a new SSO partner based on the content of `new_entity.xml`.

ssoconfig update -f newer_entity.xml -s http://localhost:8080/sso -u admin -p changeit updates an SSO partner with the content of `newer_entity.xml`.

ssoconfig delete -e platform -s http://localhost:8080/sso -u admin -p changeit deletes the platform SSO partner.

19 Reporting Import/Export Tool

The **importexport** command enables you to export the data in the reporting database to an image and then import that data at a later date..

The syntax for importexport is:

importexport [OPTION] [IMPORT_DIR | IMPORT_JAR | EXPORT_DIR]

With options:

-i, --import <i>import_path_or_jar</i>	The path to the file where the image is stored
-e, --export <i>path</i>	The path to save the exported data image
-f, --force	If the imported resource is already in the database then overwrite it
-q, --quiet	Execute the command with less feedback
-l, --logfile <i>logfile</i>	Create a log file containing the feedback of the execution

Examples:

importexport --import com.systinet.reporting.ext.policymgr.2.5.jar Imports the data from the jar file to the reporting database.

importexport --import /opt/systinet/reporting/data/exported Imports the data from the image file to the database

importexport --export C:\systinet\reporting\data\exported Creates an image of the reporting database at the specified location

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