

## Chapter 39

# Using SDX Configuration Editor

This chapter describes the SDX Configuration Editor. Topics include:

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### Setting Up SDX Configuration Editor

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SDX Configuration Editor is an XML-based GUI that enables you to configure several SRC components. Currently, you can configure SAE parameters that are stored in the directory and NIC parameters used by portals and Web applications. SDX Configuration Editor is a plug-in to the Eclipse platform and presents XML property files as forms in which you edit related groups of configuration elements. For information about Eclipse, see

<http://www.eclipse.org>

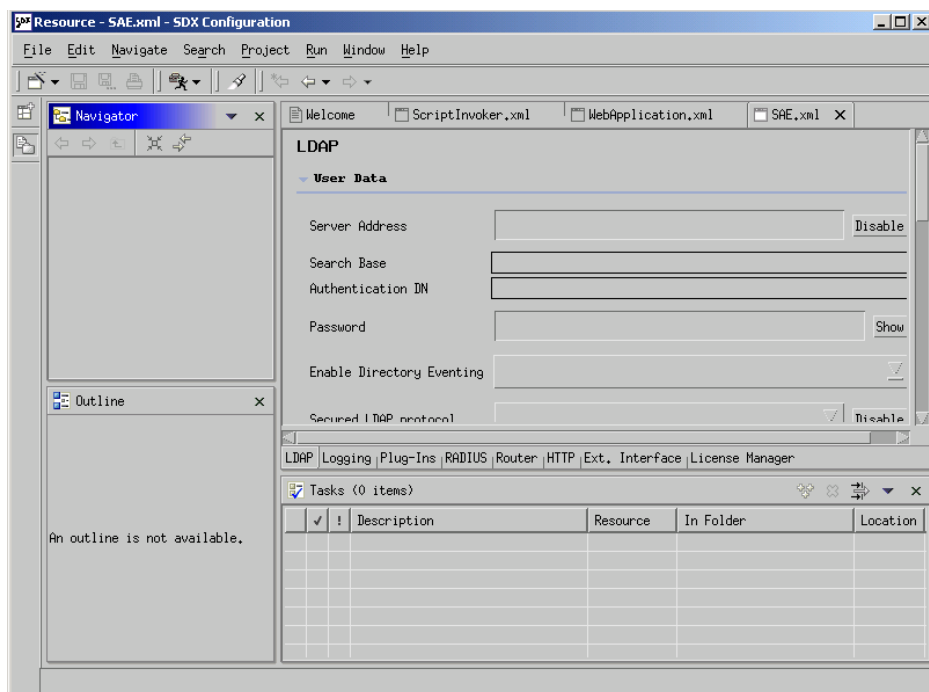
## Starting SDX Configuration Editor

To start SDX Configuration Editor:

1. On the SAE host, log in as **root** or as an authorized nonroot admin user.
2. Start SDX Configuration Editor from the SAE installation directory.

**/opt/UMC/sysconf/sysconf**

The SDX Configuration window appears.



## Setting the Editing Level

The editing level determines what is visible in the SDX Configuration Editor GUI. Table 33 describes the editing levels.

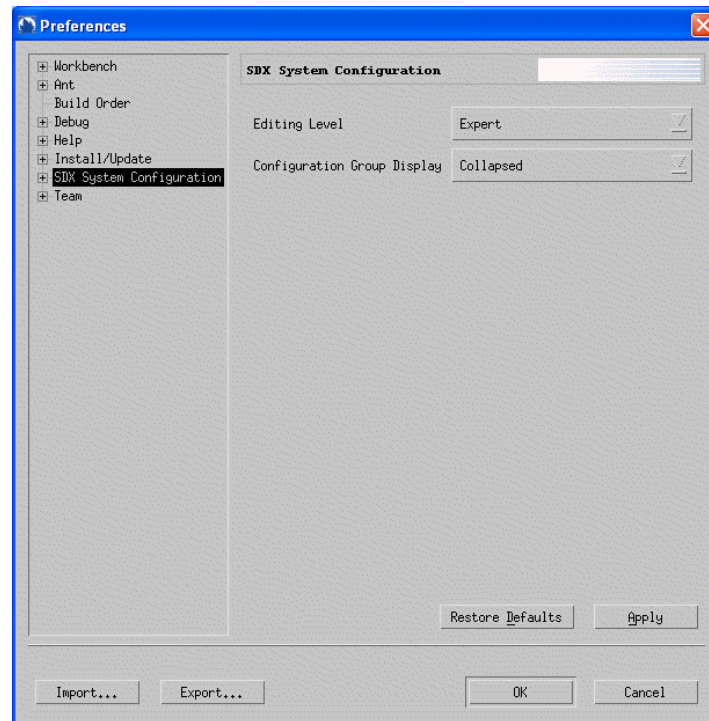
**Table 33: Editing Levels**

Level	Description
Basic	Only values that must be configured are visible.
Normal	Common values and basic values are visible; this is the default setting.
Advanced	All configurable values, including the common and basic values, are visible.
Expert	All configurable values and internal values used for debugging are visible.

To set the editing level:

1. In the SDX Configuration menu bar, select **Window > Preferences**.

The Preferences window appears.



2. Select **SDX System Configuration** in the navigation pane.
3. For the Editing Level, select **Advanced** in the SDX System Configuration pane.
4. Select whether you want configuration groups to default to a collapsed or expanded view.
5. Click **Apply**.
6. To close the Preferences window, click **OK**.

### Specifying the Directory Connection

You must specify how to connect to the directory that you want to configure. You can connect to only one directory at a time.

To configure the directory connection:

1. In the SDX Configuration menu bar, select **Window > Preferences**.
2. Expand the **SDX System Configuration** entry in the navigation pane.
3. Select **Import/Export** in the navigation pane.

4. Enter the appropriate values as defined in Table 34 to connect to the LDAP directory.

**Table 34: LDAP Connection Attributes**

Field	Description
Directory Host	IP address or hostname of the LDAP directory server. You can connect to only one directory at a time.
Directory Port	Port on which the directory server accepts an LDAP connection; default value is 389.
Base DN	Distinguished name of the base policy information in the LDAP directory server; default value is <i>o = umc</i> .
Bind DN	Distinguished name used for binding to the LDAP directory server; default value is <i>cn = umcadmin, o = umc</i> .
Password	Password associated with the bind DN; default value is admin123.

5. Click **Apply** in the Import/Export pane.
6. Click **OK** in the Preferences window.

### Creating a New Project

You must create a new project to create or edit files in SDX Configuration Editor. The project corresponds to a directory server.

To create a new project:

1. From the SDX Configuration window, select **File > New > Project**.  
The New Project window appears.
2. Click **Next**.
3. Enter the Project Name.
4. Click **Finish**.

### Moving Between Versions of SDX Configuration Editor

By default, user data (including all the projects that the user created) is located under *\$HOME/.UMC/workspace*. When you move from one version of SDX Configuration Editor to a different version, we recommend that you remove the *workspace* directory from *\$HOME/.UMC* if you do not need to maintain the old user data.

If you want to keep the old data accessible for the new version of SDX Configuration Editor, and leave the *workspace* directory intact, then the Configuration Changes dialog box may appear when you start SDX Configuration Editor for the first time after the new installation. The following confirmation message is shown:

Pending Configuration Changes - Check the changes you wish to process now.  
Remove changes that should never be processed.

Ensure that the SDX Configuration (version\_number) is checked, and click **Finish** to close the dialog box. (If you click **Cancel** by mistake, select **Help > Software Updates > Pending Changes** to redisplay the dialog box.) When the Install/Update dialog box prompts you to restart the workbench to effect the changes, answer **Yes** to restart the application.

## Using SDX Configuration Editor

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You must import existing configuration objects from the directory into SDX Configuration Editor so that you can modify them. Alternatively, you can create new configuration objects in the editor and export them to the directory.

### Importing Existing Configuration Objects

To modify SAE configuration parameters already stored in the directory:

1. On the SAE host, log in as **root** or as an authorized nonroot admin user.
2. Start SDX Configuration Editor from the SAE installation directory.

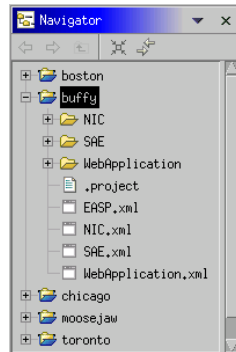
**/opt/UMC/sysconf/sysconf**

The SDX Configuration window appears.

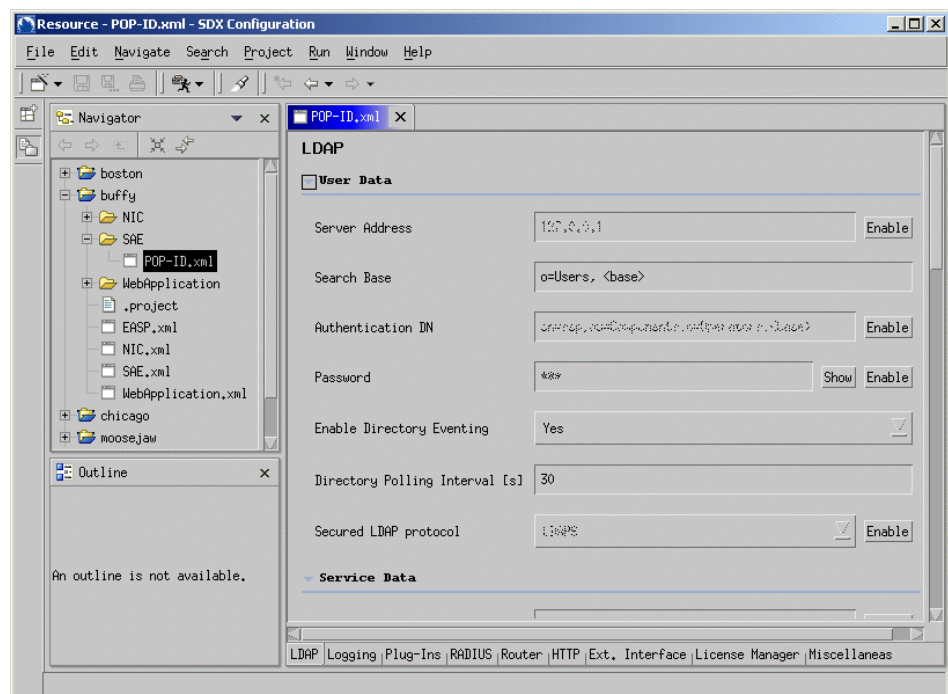
3. Right-click a project, folder, or file in the Navigator, select **SDX System Configuration**, and then **Import from LDAP Directory**.

The importation process is recursive, so if you select a folder or the project, all objects subordinate to the folder or to *ou = staticConfiguration*, *ou = Configuration*, *o = Management*, *o = umc* are imported.

- The project in the Navigator displays the objects that you can edit.



- Expand the relevant folder; then select and double-click a configuration object.



- Modify the configuration items as desired. To save configuration changes as you make them, select **File > Save**, or press Ctrl + s.

## Creating a New Configuration Object

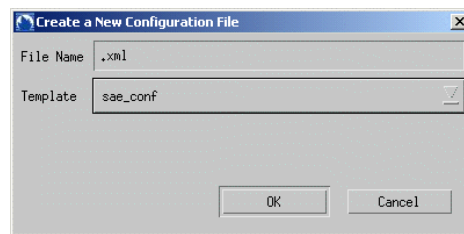
To create a new configuration file:

1. On the SAE host, log in as **root** or as an authorized nonroot admin user.
2. Start SDX Configuration Editor from the SAE installation directory.

**/opt/UMC/sysconf/sysconf**

The SDX Configuration window appears.

3. Select the project in the Navigator, and hold down the right mouse button.
4. Select **SDX System Configuration > New Configuration File**.
5. In the Create a New Configuration File dialog box, enter a filename, select a template, and click **OK**.



6. In the Navigator, select the new directory configuration object, and drag it into the appropriate folder.
7. Double-click the new directory configuration object.
8. Set values for the configuration items as desired. To save the configuration as you enter information, select **File > Save**, or press Ctrl + s.

## Exporting Configuration Objects

Saving configuration changes in SDX Configuration Editor saves them only in the local configuration object. You must export the modified object to the directory for the changes to take effect.

To export configuration changes back to the directory:

1. Select the project, object container, or individual object in the Navigator, and hold down the right mouse button.
2. Select **SDX System Configuration > Export to LDAP Directory**.

The exportation process is recursive, so if you select a container or a project, all objects subordinate to the container or the project are exported.

If a configuration file's contents are collected from different subentries in the LDAP directory, then the relevant contents of the file are written to the appropriate subentry when you export the configuration file to the LDAP directory. This process facilitates the maintenance of this type of configuration data if you use other tools, such as SDX Admin, in addition to SDX Configuration Editor to view and edit the data.

## GUI Elements

SDX Configuration Editor uses elements familiar to anyone experienced with GUIs, such as option buttons, lists, tabs, and so on. Enable and Disable buttons act on the adjacent field to make it configurable or not. Show and Hide buttons display encrypted text in the clear or as asterisks, respectively. Hover the mouse over a field to display pop-up help for the field.

## Creating and Deleting Instances

Some tabs enable you to create new instances of a configuration item or to delete a configuration item that is present on that tab.

To create a new instance:

1. Select the type of configuration item from the list next to the Create a New Instance of button.
2. Click the **Create a New Instance of** button.

The new instance appears on the tab, ready to be configured.

To delete an instance:

1. Select the configuration item instance from the list.
2. Click the **Delete an Instance** button.

The new instance disappears from the tab.

