# Sterling Store Inventory Management

## Deployment Guide

**Release 9.1**

**IBM**

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This edition applies to the 9.1 Version of IBM® Sterling Store Inventory Management and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in *Notices* on page 15.

# Contents

# Introduction

After installing the IBM® Sterling Store Inventory Management you must perform various post-installation tasks like creating and installing the client applications, rebuilding the Enterprise Archive (EAR) package, launching the client applications, and so on, to make the application available for use. This guide provides information about the various post-installation tasks that you need to perform.

# Setting Up the Agent Server

Agent Servers are Java applications that run time-triggered (agent) transactions. You need to set up agent servers for certain features such as count and alert. For detailed information about setting up the Agent Server, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

To set up the CLASSPATH of the Sterling Store Inventory Management agent server, we should include `ysopbe.jar, ysopbridge.jar` and `ysopshared.jar` in the agentServer CLASSPATH. Run the following command from `<INCLUDE_DIR>/bin`:

install3rdParty.cmd SOP_Add-in 9.1_9.1 -j $INSTALL_DIR/jar/SOP_Add-in/9.1_9.1/*.jar -targetJVM AGENT

# Loading the Database Components and Factory Defaults

Sterling Store Inventory Management provides scripts for loading the database factory defaults. This chapter describes how to run the necessary scripts to load the database factory defaults and language pack translations.

The modes in which the Sterling Store Inventory Management factory defaults can be loaded are:

## Activated

In this mode, the new Sterling Store Inventory Management factory defaults are pre-activated, which may override factory defaults that you have already configured in IBM® Sterling Selling and Fulfillment Foundation. Before you override the factory defaults, you may choose to validate or not validate them.

It is recommended that you load the Sterling Store Inventory Management factory defaults in the Activated mode.

## Not Activated

In this mode, the new factory defaults introduced in the Sterling Store Inventory Management are installed but not pre-activated. Installing factory defaults in this mode does not affect any existing implementation of Sterling Selling and Fulfillment Foundation that you may already have.

If you do not have a prior implementation of Sterling Selling and Fulfillment Foundation, you should load the factory defaults in the Activated (default) mode. However, if you already have an implementation of Sterling Selling and Fulfillment Foundation, you may not want to activate the factory defaults to ensure that your existing configuration does not get overridden in any way. When loading the database factory defaults, the Sterling Store Inventory Management uses the Data Migrator. For more information about the Data Migrator, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

# Activated

To load the Sterling Store Inventory Management factory defaults in the Activated mode:

1. Ensure that the path to the Java<sup>TM</sup> executable is in your system path.

2. Ensure that your <INSTALL_DIR> environment variable is correctly set up.

3. Navigate to the <INSTALL_DIR>/bin directory.

4. Load the factory defaults by executing the following ant script:

   For Windows:

   ```
   .\ant.cmd -f sop_load_defaults.xml full -logfile <logfile>
   ```

   For UNIX or Linux:

   ```
   ./ant.sh -f sop_load_defaults.xml full -logfile <logfile>
   ```

   This script loads the factory defaults in the following sequence:

   a. Installs the base factory setup.

   b. Activates the event handlers and user exit implementations.

   This step also includes the validation of the existing data to ensure that Sterling Store Inventory Management does not overwrite any existing configuration. If the validation fails, the script exits without activating the event handlers and user exit implementations. An error message containing information about the existing configuration that might get overwritten is then displayed.

   To override this validation, execute the following ant script:

   For Windows:

   ```
   .\ant.cmd -f sop_load_defaults.xml overrideall -logfile <logfile>
   ```

   For UNIX or Linux:

   ```
   ./ant.sh -f sop_load_defaults.xml overrideall -logfile <logfile>
   ```

   To install the factory defaults without overriding the validation, execute the following ant script:

   For Windows:

   ```
   .\ant.cmd -f sop_load_defaults.xml full -logfile <logfile>
   ```

   For UNIX or Linux:

   ```
   ./ant.sh -f sop_load_defaults.xml full -logfile <logfile>
   ```

**Note:** If the factory default installation stops before it is finished, a file named `"sop_addin_installer.xml.restart"` `"sop_pca_installer.xml.restart"` are created depending on where the installation stops. This file records the location where the installation was stopped, and it is used to resume the installation when the factory defaults are installed the next time. The .restart files are located in `<INSTALL_DIR>/database/FactorySetup/sop/install`. Delete the installer's restart file that contains an error and execute the above mentioned ant script again.

5. If you plan to use the reference implementation provided as a part of the Sterling Store Inventory Management, see the *Sterling Selling and Fulfillment Suite: Applications Reference Implementation Guide*.

# Not Activated

To load the Sterling Store Inventory Management factory defaults in the Not Activated mode:

1. Load the factory defaults by executing the following ant script from the `<INSTALL_DIR>` directory:

   For Windows:

   `.\ant.cmd -f bin\sop_load_defaults.xml noactivation -logfile <logfile>`

   For UNIX or Linux:

   `./ant.sh -f bin/sop_load_defaults.xml noactivation -logfile <logfile>`

**Note:** If the factory default installation stops before it is finished, a file named `"sop_addin_installer.xml.restart"` `"sop_pca_installer.xml.restart"` are created depending on where the installation stops. This file records the location where the installation was stopped, and it is used to resume the installation when the factory defaults are installed the next time. The .restart files are located in `<INSTALL_DIR>/database/FactorySetup/sop/install`. Delete the installer's restart file that contains an error and execute the above mentioned ant script again.

2. If you plan to use the reference implementation provided as a part of the Sterling Store Inventory Management, see Installing the Reference Implementation.

# Create a Client Application

This topic explains how to create a Sterling Store Inventory Management client application.

To create a client application:

1. Ensure that the RCP_EXTN_FOLDER environment variable is set appropriately. For more information about setting the RCP_EXTN_FOLDER environment folder, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

    The RCP_EXTN_FOLDER variable points to the folder where the Sterling Store Inventory Management extended client application files are located. For more information about extensibility, see the *Sterling Selling and Fulfillment Foundation: Customization Guide*.

2. Copy the `locations.ycfg.sample` file from the `<INSTALL_DIR>\rcp\SOP\9.1\platform\rcpclient\com.yantra.yfc.rcp_1.0.0` into the `RCP_EXTN_FOLDER\resources` folder. The `locations.ycfg.sample` file specifies the URL of the server.

3. Rename the `locations.ycfg.sample` file to `locations.ycfg`.

4. Update the `locations.ycfg` file with your configurations. The configurations that you need to update are:

    ◆ Location ID

    ◆ Config Name

    ◆ BaseUrl

    ◆ PortNumber

5. Set up the image server for fetching images. For more information about setting up the image server, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

6. Configure the connection settings for an SSL client. For more information about configuring connection settings for an HTTPS connection, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

7. On Windows server run the following ANT script from the `<INSTALL_DIR>/bin folder`:

    To build clients for Windows:

    ```
    sci_ant.cmd -f buildsopapplication.xml buildSOPForWindows -logfile
    <logfile>
    ```

    To build clients for Unix and Linux:

    ```
     sci_ant.cmd -f buildsopapplication.xml buildSOPForGTKLinux -logfile
    <logfile>
    ```

8. On Linux/Unix server run the following ANT script from the `<INSTALL_DIR>/bin folder`:

   To build clients for Windows:

   ```
   ./sci_ant.sh -f buildsopapplication.xml buildSOPForWindows -logfile
   <logfile>
   ```

   To build clients for Unix and Linux:

   ```
    ./sci_ant.sh -f buildsopapplication.xml buildSOPForGTKLinux -logfile
   <logfile>
   ```

9. After the ANT script completes, a zip file called `sop10.zip` and the folder called `sop` are created under the `<INSTALL_DIR>/rcpdrop/<Name_of_ the_OS>` folder.

   For more information about this extension process, see the *Sterling Selling and Fulfillment Foundation: Customization Guide*.

# Launch a Client Application

This section describes how to install and launch the Sterling Store Inventory Management client application:

To launch Sterling Store Inventory Management client application on Windows:

1. Modify the `<INSTALL_DIR>/rcpdrop/windows/sop/sop.ini` file to provide the appropriate VM arguments for the application.

   For more information about the supported VM arguments, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

2. Double-click the `sop.exe` file located in the `<INSTALL_DIR>/rcpdrop/windows/sop` folder to launch the Sterling Store Inventory Management client application.

To launch Sterling Store Inventory Management client application on Unix and Linux:

1. Modify the `<INSTALL_DIR>/rcpdrop/gtk.linux.x86/sop/sop.ini` file to provide the appropriate VM arguments for the application.

   For more information about the supported VM arguments, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

2. Double-click the `sop` file located in the `<INSTALL_DIR>/rcpdrop/gtk.linux.x86/sop` folder to launch the Sterling Store Inventory Management client application.

# Handling Rich Client Platform Updates

The Rich Client Platform's update process is based on the timestamp of the files.

To update the Rich Client Platform for the Sterling Store Inventory Management, create the following directory structure under the `<PCA_UPDATES_DIR>` directory:

✦ For Windows:

`<PCA_UPDATES_DIR>/<APPLICATION_CODE>/<PCA_VERSION_NUMBER>/win32.win32.x86` directory

✦ For Linux:

`<PCA_UPDATES_DIR>/<APPLICATION_CODE>/<PCA_VERSION_NUMBER>/gtk.linux.x86` directory

where the APPLICATION_CODE is YFSSYS00006 and the PCA_VERSION_NUMBER is the version number of the PCA that is installed. The `win32.win32.x86` folder is the windows operating system configuration and `gtk.linux.x86` folder is the linux operating system configuration.

**Note:** You can create the `<PCA_UPDATES_DIR>` folder in a local directory or network drive.

For more information about handling updates, see the *Sterling Selling and Fulfillment Foundation: Installation Guide*.

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