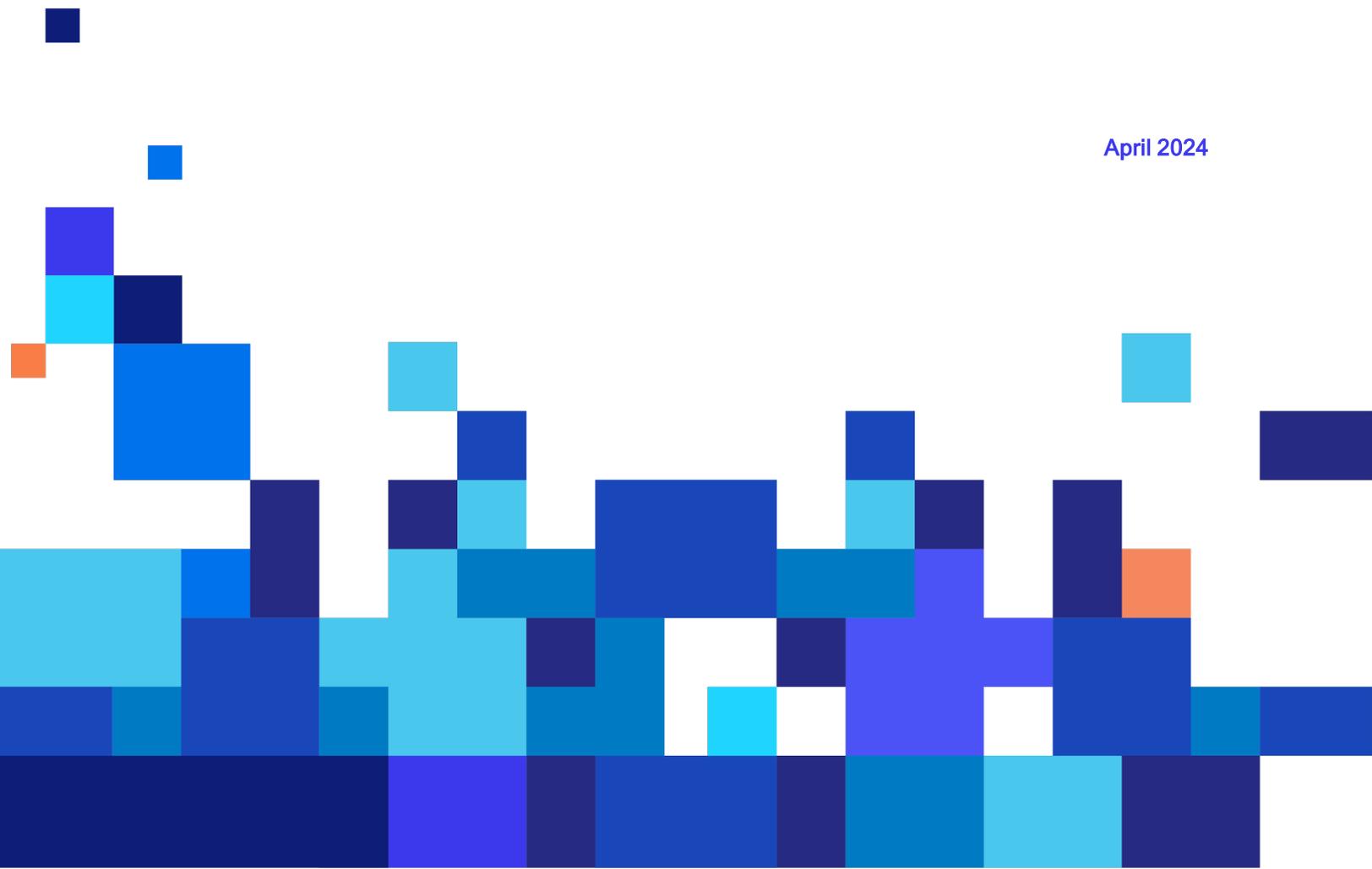


Loftware Integration - Status for SAP® Applications

Version 1.0

Installation and Configuration Guide

April 2024

A decorative graphic at the bottom of the page consists of a grid of squares in various shades of blue, purple, and orange, arranged in a pattern that resembles a staircase or a series of steps.

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Loftware Integration Status for SAP® Applications

Loftware Integration Status for SAP Applications enables SAP BC-XOM integrations configured in Loftware Cloud Enterprise™ SP to send status messages to SAP applications hosted on an on-premise SAP Application Server in your network. When using Status for SAP Applications, there is no need to configure a VPN or open a port on your SAP Application Server to allow status communication.

If you plan to integrate Loftware Cloud Enterprise SP with an on-premise SAP Application Server by using SAP BC-XOM integrations, it is recommended that Status for SAP Applications be installed on a server inside your network. This server must be accessible to your SAP Application Server and to your Loftware Application Servers. The server administrator configures Status for SAP Applications to securely connect with Loftware Cloud Enterprise SP.

Although Status for SAP Applications can also be used with Loftware Enterprise SP, it is not necessary unless you have an on-premise SAP Application Server that is otherwise unable to communicate with your Loftware Application Servers.

Important! One instance of Loftware Integration Status for SAP Applications can communicate with multiple Loftware labeling solution deployments. Install only one instance of Status for SAP Applications on your network.

Note: Loftware Integration Status for SAP Applications is for use only if using an SAP BC-XOM integration to communicate with an on-premise instance of SAP ERP. It is needed only if your instance of SAP ERP cannot communicate with Loftware Cloud Enterprise SP or Loftware Enterprise SP directly. Before Status for SAP Applications can be used, a dedicated Loftware Cloud Enterprise SP or Loftware Enterprise SP user must be configured in that Loftware labeling solution and the **SAP BC-XOM Status Communication** preference must be set to **SAP Status Agent** in the Loftware labeling solution.

Tip: For more documentation about this product, see [Loftware Components: Loftware Integration Status for SAP Applications](#).

Technical Requirements for Loftware Integration Status for SAP® Applications

If you plan to integrate Loftware Cloud Enterprise SP with an on-premise SAP Application Server by using SAP BC-XOM integrations, it is recommended that Loftware Integration Status for SAP Applications be installed.

Although Status for SAP Applications can be used with Loftware Enterprise SP, it is not necessary unless you have an on-premise SAP Application Server that is otherwise unable to communicate with your Loftware Application Servers.

Important! One instance of Loftware Integration Status for SAP Applications can communicate with multiple Loftware labeling solution deployments. Install only one instance of Status for SAP Applications on your network.

Status for SAP Applications must be installed by a server administrator.

Component	Requirement
Loftware license	One of the following is required to support integration with SAP applications: <ul style="list-style-type: none"> • Loftware Cloud Enterprise SP or Loftware Enterprise SP license that includes Integration for use with SAP® Applications
SAP system	<ul style="list-style-type: none"> • SAP S/4HANA On-Premise • SAP ECC 6.0 or later with the latest enhancements

Component	Requirement
Status system	<p>Status for SAP Applications must be installed on a server inside your network. This server must be accessible both to your SAP Application Server and to your Loftware Application Servers.</p> <p>Status for SAP Applications must be installed by a server administrator on a computer running one of the following operating systems:</p> <ul style="list-style-type: none"> • Windows Server • Red Hat Enterprise Linux • SUSE Linux <p>This server is not required to be solely dedicated to Status for SAP Applications.</p>
SAP JCo	<p>SAP Java Connector (SAP JCo) 3.1.8 or later is required during the installation of Status for SAP Applications. SAP JCo can be obtained from the SAP Support Portal.</p> <p>If the server on which you install Status for SAP Applications is running Windows Server, SAP JCo 3.1.8 or later requires the Visual Studio 2013 C/C++ runtime libraries to be installed on the server. The "Visual C++ 2013 Redistributable Package" can be downloaded from https://support.microsoft.com/en-us/help/4032938.</p>
Loftware Cloud Enterprise SP user	<p>A dedicated Loftware Cloud Enterprise SP user is required for authentication.</p> <p>This Loftware Cloud Enterprise SP user can be created before or after Status for SAP Applications is installed.</p> <p>For details, see the <i>Loftware Enterprise SP User Guide (Help)</i> or the <i>Loftware Integration Status for SAP® Applications Installation and Configuration Guide</i>.</p>

How to Obtain the Software

This section is provided to assist customers who are reviewing the Loftware Integration Status for SAP Applications documentation prior to obtaining the software.

If you are interested in using Loftware Integration Status for SAP Applications in conjunction with Loftware Cloud Enterprise SP or Loftware Enterprise SP and you are upgrading from Spectrum:

- **If your Loftware Cloud Enterprise SP license includes Integration for use with SAP® Applications**, refer to the email you received from Loftware. This email includes information about how to download Status for SAP Applications package.
- **If your Loftware Enterprise SP license includes Integration for use with SAP® Applications**, refer to the email you received from Loftware about how to download the Loftware Enterprise SP 5.1 package. This email includes information about how to download Status for SAP Applications package.
- **If your Loftware Cloud Enterprise SP or Loftware Enterprise SP license does not include Integration for use with SAP® Applications** and you would like to add it, [contact Loftware Sales](#) about purchasing an add-on to your license to include Status for SAP Applications.

- If you need to determine whether your Loftware Cloud Enterprise SP or Loftware Enterprise SP license includes Integration for use with SAP® Applications, you can use either of the following approaches to view your license information:
 - You can view your license information in Loftware Cloud Enterprise SP or Loftware Enterprise SP. In either application, click  Help > **About**. In the **License** panel, and the **Integrations for use with SAP® ERP** entry indicates whether your license includes Integration for use with SAP® Applications.
 - You can view your license online. For information about how to sign in to the Loftware Licensing Server and view an existing license, see [Loftware Licensing Server Help](#).

If you are a new customer interested in integrating a Loftware labeling solution with SAP applications, [contact Loftware Sales](#).

Installing Loftware Integration Status for SAP Applications

To install Loftware Integration Status for SAP® Applications, use the following procedure appropriate to the operating system running the server on which you are installing Status for SAP Applications.

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Installing Status for SAP Applications on Windows Server

To install and configure Loftware Integration Status for SAP® Applications on a server running Windows Server, ensure that you are prepared with required information and then perform the following procedures.

Tip: Throughout this guide, `<SAPStatus_HOME>` refers to the folder where Status for SAP Applications is installed. The following location is recommended:
 C:\Loftware\SAPStatus.

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Preparing for Installation on Windows Server

Before You Begin: Ensure that the environment to which you want to install Loftware Integration Status for SAP® Applications meets the [Technical Requirements for Loftware Integration Status for SAP® Applications](#).

You will require the following information, permissions, and software while installing and configuring Loftware Integration Status for SAP Applications. For more detail about any of these items, see the installation procedure.

- You must have server administrator permissions for the server on which you are installing Status for SAP Applications.
- For each Loftware Application Server:
 - Hostname or IP address
 - Username and password for the Loftware labeling solution
- SAP Java Connector (SAP JCo) package version 3.1.8 or later, 64-bit version, available from the SAP Support Portal.
- Visual C++ 2013 Redistributable Package, available from <https://support.microsoft.com/en-us/help/4032938>.

A. Install Status for SAP Applications on Windows Server

To install Loftware Integration Status for SAP Applications on a server running Windows Server, perform the following procedure as a server administrator.

1. Verify that resolutions for all relevant hostnames are working.
2. Download the Status for SAP Applications installation package (**LoftwareStatusforSAP1.0.zip**).
3. Extract the contents of the installation package to a folder on the server where you want to install Status for SAP Applications. Throughout this guide, this location is referred to as `<SAPStatus_HOME>`.

Recommended Location

C:\Loftware\SAPStatus

4. Extract the contents of the **sap-status-agent.zip** file to `<SAPStatus_HOME>`.
5. Open a terminal window, navigate to `<SAPStatus_HOME>installer`, and then run the `install.cmd` command.

If your Loftware Application Server is implemented with SSL, continue to [B. Install SSL Certificate on Windows Server](#).

Otherwise, continue to [C. Configure Status for SAP Applications on Windows Server](#).

B. Install SSL Certificate on Windows Server

If your Loftware Application Server is implemented with SSL, perform the following steps to ensure that Status for SAP Applications can connect to your Loftware labeling solution.

Tip: When performing the following steps, replace `<SAPStatus_HOME>` with the folder where you installed Status for SAP Applications.

- a. In your browser, navigate to the sign in page for your Loftware labeling solution.
- b. Follow your browser's instructions to save the SSL certificate to a file.
- c. On the server where you installed Status for SAP Applications, navigate to the following folder.

```
<SAPStatus_HOME>\jre\bin
```

- d. Run the following command, replacing `<path_to_saved_file>` with the path to the certificate file that you saved and `<cert_alias>` with a nickname for the certificate.

```
keytool -importcert -alias <cert_alias>
-file <path_to_saved_file>
-keystore <SAPStatus_HOME>\jre\lib\security\cacerts
```

- e. At the prompt for the keystore password, enter `changeit`.
- f. At the prompt for trusting the certificate, enter `yes`.

Continue to [C. Configure Status for SAP Applications on Windows Server](#).

C. Configure Status for SAP Applications on Windows Server

Perform the following steps to configure an **application.properties** file for Loftware Integration Status for SAP Applications.

1. Navigate to `<SAPStatus_HOME>\lib`.
2. Make a copy of the **application.properties_EXAMPLE** file and name it **application.properties**.
3. Open the **application.properties** file in a text editor and configure it for your environment, creating a set of the following properties for each Loftware Application Server.

Note: For each set of properties beginning with **app.labeling-solutions**, replace the number in brackets with a unique and sequential identification number for each Loftware Application Server. Remove the leading **#** from each line that should be enabled.

Loftware Application Server Properties

Property	Description and Example
app.labeling-solutions [#].url	<p>The URL that Status for SAP Applications should use to connect to the dedicated REST endpoint on the Loftware Application Server. The format should be as follows. Replace <i><Host_or_IPAddress></i> with the host name or IP address of the Loftware Application Server. Specify a prefix and access port as appropriate.</p> <pre><http https>://<Host_or_IPAddress>:<port>/ spectrum-server/sapStatus</pre> <p>Examples</p> <p>The following example includes a typical non-secured access port.</p> <pre>http://example.com:8080/spectrum-server/sapStatus</pre> <p>The following example includes a typical secured access port.</p> <pre>https://example.com:8443/spectrum-server/sapStatus</pre>
app.labeling-solutions [#].username	<p>The username of a dedicated Loftware Cloud Enterprise SP user for authentication.</p> <p>A Loftware Cloud Enterprise SP administrator must create this user in Loftware Cloud Enterprise SP. This user does not have to exist before you install Status for SAP Applications, but it must exist for Status for SAP Applications to function.</p> <p>For more information about this Loftware Cloud Enterprise SP user, see Loftware Cloud Enterprise SP User for Loftware Integration Status for SAP Applications.</p>
app.labeling-solutions [#].password	<p>The password for the Loftware Cloud Enterprise SP username specified. Enter the password in plain text. You will be presented with an opportunity to encrypt it in a subsequent step.</p>

4. Save the **application.properties** file.

If you want to encrypt the passwords that you entered, continue to [D. Encrypt Passwords for Status for SAP Applications on Windows Server](#).

Otherwise, continue to [E. Provide SAP Java Connector to Status for SAP Applications on Windows Server](#).

D. Encrypt Passwords for Status for SAP Applications on Windows Server

If you want to encrypt the passwords that you entered in the configuration file (**application.properties**), perform the following procedure.

Important! Each command shown in this procedure must be entered on a single line.

1. Perform the following steps to encrypt a password.
 - a. On the server where you installed Status for SAP Applications, open a terminal windows and navigate to `<SAPStatus_HOME>`.
 - b. Run the following command, replacing `<password_text>` with the plain text to be encrypted.

```
encryptLoftwarePassword.cmd <password_text>
```

Example

```
encryptLoftwarePassword.cmd Lorem39Ipsum!23
```

- c. Copy the output from the command. This is the encrypted form of the plain text that you entered.
2. Perform the following steps to add the encrypted password to the **application.properties** file.
 - a. Open the **application.properties** file in a text editor.
 - b. Select the value of the password that you encrypted and paste the encrypted text to replace it.
 - c. At the beginning of the encrypted password, insert the following text.

```
(ENCRYPTED)
```

Example

```
app.labeling-solutions[0].password=  
(ENCRYPTED) 7QB&A61sp21!4B0bA3C
```

- d. Save the **application.properties** file.

3. Repeat this procedure for each password to be encrypted. You do not have to close the **application.properties** file after you replace each password, but you must save the file before encrypting the next password.

Continue to [E. Provide SAP Java Connector to Status for SAP Applications on Windows Server](#).

E. Provide SAP Java Connector to Status for SAP Applications on Windows Server

Perform the following steps to make required SAP Java Connector (SAP JCo) library files and Visual Studio 2013 C/C++ runtime libraries available to Loftware Integration Status for SAP Applications.

1. If you have not already done so, obtain SAP JCo 3.1.8 or later from the SAP Support Portal.
2. From the SAP JCo, copy the **sapjco3.jar** and **sapjco3.dll** library files to the following folder:

`<SAPStatus_HOME>\lib`

3. SAP JCo requires Visual Studio 2013 C/C++ runtime libraries to be installed on the server. If you have not already done so, download the "Visual C++ 2013 Redistributable Package" from <https://support.microsoft.com/en-us/help/4032938>. Follow the instructions provided with the package to install it.

Continue to [F. Install the Status for SAP Applications Service on Windows Server](#).

F. Install the Status for SAP Applications Service on Windows Server

Perform the following procedure to install and start the Status for SAP Applications service on Windows Server.

1. On the server where you installed Status for SAP Applications, open a terminal window and navigate to `<SAPStatus_HOME>`.
2. Install the Status for SAP Applications service by running the following command.

```
LoftwareSA.exe install
```
3. Verify that the Status for SAP Applications is running by doing the following.
 - a. Open the **Services** console in Windows Server.
 - b. In the **Services** console, find the Status for SAP Applications service, which is named **LoftwareSA**.
 - c. Start the service if it has not started automatically.

Installation and configuration of Loftware Integration Status for SAP Applications is complete.

Installing Status for SAP Applications on Linux

To install and configure Loftware Integration Status for SAP® Applications on a server running Red Hat Enterprise Linux or SUSE Linux, ensure that you are prepared with required information and then perform the following procedures.

Tip: Throughout this guide, `<SAPStatus_HOME>` refers to the folder where Status for SAP Applications is installed. The following location is recommended:
`/opt/Loftware/SAPStatus`.

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Preparing for Installation on Linux

Before You Begin: Ensure that the environment to which you want to install Loftware Integration Status for SAP® Applications meets the [Technical Requirements for Loftware Integration Status for SAP® Applications](#).

You will require the following information, permissions, and software while installing and configuring Loftware Integration Status for SAP Applications. For more detail about any of these items, see the installation procedure.

- You must have server administrator permissions for the server on which you are installing Status for SAP Applications. To install and start the Status for SAP Applications service, you must have the necessary permissions to run the sudo command.
- For each Loftware Application Server:
 - Hostname or IP address
 - Username and password for the Loftware labeling solution
- SAP Java Connector (SAP JCo) package version 3.1.8 or later, 64-bit version, available from the SAP Support Portal.

A. Install Status for SAP Applications on Linux

To install Loftware Integration Status for SAP Applications on a server running Red Hat Enterprise Linux or SUSE Linux, perform the following procedure as a server administrator.

1. Verify that resolutions for all relevant hostnames are working.
2. Download the Status for SAP Applications installation package (**LoftwareStatusforSAP1.0.zip**).
3. Extract the contents of the installation package to a folder on the server where you want to install Status for SAP Applications. Throughout this guide, this location is referred to as `<SAPStatus_HOME>`.

Recommended Location

`/opt/Loftware/SAPStatus`

4. Extract the contents of the **sap-status-agent.zip** file to `<SAPStatus_HOME>`.
5. Open a terminal window, navigate to `<SAPStatus_HOME>/installer`, and then run the `install.sh` command.

If your Loftware Application Server is implemented with SSL, continue to [B. Install SSL Certificate on Linux](#).

Otherwise, continue to [C. Configure Status for SAP Applications on Linux](#).

B. Install SSL Certificate on Linux

If your Loftware Application Server is implemented with SSL, perform the following steps to ensure that Status for SAP Applications can connect to your Loftware labeling solution.

Tip: When performing the following steps, replace `<SAPStatus_HOME>` with the folder where you installed Status for SAP Applications.

- a. In your browser, navigate to the sign in page for your Loftware labeling solution.
- b. Follow your browser's instructions to save the SSL certificate to a file.
- c. On the server where you installed Status for SAP Applications, navigate to the following folder.

```
<SAPStatus_HOME>/jre/bin
```

- d. Run the following command, replacing `<path_to_saved_file>` with the path to the certificate file that you saved and `<cert_alias>` with a nickname for the certificate.

```
./keytool -importcert -alias <cert_alias>
-file <path_to_saved_file>
-keystore <SAPStatus_HOME>/jre/lib/security/cacerts
```

- e. At the prompt for the keystore password, enter `changeit`.
- f. At the prompt for trusting the certificate, enter `yes`.

Continue to [C. Configure Status for SAP Applications on Linux](#).

C. Configure Status for SAP Applications on Linux

Perform the following steps to configure an **application.properties** file for Loftware Integration Status for SAP Applications.

1. Navigate to `<SAPStatus_HOME>/lib`.
2. Make a copy of the **application.properties_EXAMPLE** file and name it **application.properties**.
3. Open the **application.properties** file in a text editor and configure it for your environment, creating a set of the following properties for each Loftware Application Server.

Note: For each set of properties beginning with **app.labeling-solutions**, replace the number in brackets with a unique and sequential identification number for each Loftware Application Server. Remove the leading **#** from each line that should be enabled.

Loftware Application Server Properties

Property	Description and Example
app.labeling-solutions [#].url	<p>The URL that Status for SAP Applications should use to connect to the dedicated REST endpoint on the Loftware Application Server. The format should be as follows. Replace <code><Host_or_IPAddress></code> with the host name or IP address of the Loftware Application Server. Specify a prefix and access port as appropriate.</p> <pre><http https>://<Host_or_IPAddress>:<port>/ spectrum-server/sapStatus</pre> <p>Examples</p> <p>The following example includes a typical non-secured access port.</p> <pre>http://example.com:8080/spectrum-server/sapStatus</pre> <p>The following example includes a typical secured access port.</p> <pre>https://example.com:8443/spectrum-server/sapStatus</pre>
app.labeling-solutions [#].username	<p>The username of a dedicated Loftware Cloud Enterprise SP user for authentication.</p> <p>A Loftware Cloud Enterprise SP administrator must create this user in Loftware Cloud Enterprise SP. This user does not have to exist before you install Status for SAP Applications, but it must exist for Status for SAP Applications to function.</p> <p>For more information about this Loftware Cloud Enterprise SP user, see Loftware Cloud Enterprise SP User for Loftware Integration Status for SAP Applications.</p>
app.labeling-solutions [#].password	<p>The password for the Loftware Cloud Enterprise SP username specified. Enter the password in plain text. You will be presented with an opportunity to encrypt it in a subsequent step.</p>

4. Save the **application.properties** file.

If you want to encrypt the passwords that you entered, continue to [D. Encrypt Passwords for Status for SAP Applications on Linux.](#)

Otherwise, continue to [E. Provide SAP Java Connector to Status for SAP Applications on Linux.](#)

D. Encrypt Passwords for Status for SAP Applications on Linux

If you want to encrypt the passwords that you entered in the configuration file (**application.properties**), perform the following procedure.

Important! Each command shown in this procedure must be entered on a single line.

1. Perform the following steps to encrypt a password.
 - a. On the server where you installed Status for SAP Applications, open a terminal window and navigate to `<SAPStatus_HOME>`.
 - b. Run the following command, replacing `<password_text>` with the plain text to be encrypted.

```
./encryptLoftwarePassword.sh <password_text>
```

Example

```
./encryptLoftwarePassword.sh Lorem39Ipsum!23
```

- c. Copy the output from the command. This is the encrypted form of the plain text that you entered.
2. Perform the following steps to add the encrypted password to the **application.properties** file.
 - a. Open the **application.properties** file in a text editor.
 - b. Select the value of the password that you encrypted and paste the encrypted text to replace it.
 - c. At the beginning of the encrypted password, insert the following text.

```
(ENCRYPTED)
```

Example

```
app.labeling-solutions[0].password=  
(ENCRYPTED) 7QB&A61sp21!4B0bA3C
```

- d. Save the **application.properties** file.

3. Repeat this procedure for each password to be encrypted. You do not have to close the **application.properties** file after you replace each password, but you must save the file before encrypting the next password.

Continue to [E. Provide SAP Java Connector to Status for SAP Applications on Linux.](#)

E. Provide SAP Java Connector to Status for SAP Applications on Linux

Perform the following steps to make required SAP Java Connector (SAP JCo) library files available to Loftware Integration Status for SAP Applications.

1. If you have not already done so, obtain SAP JCo 3.1.8 or later from the SAP Support Portal.
2. From the SAP JCo, copy the **sapjco3.jar** and **libsapjco3.so** library files to the following folder:

`<SAPStatus_HOME>/lib`

Continue to [F. Install the Status for SAP Applications Service on Linux.](#)

F. Install the Status for SAP Applications Service on Linux

Perform the following procedure to configure, install, and start the Status for SAP Applications service on Red Hat Enterprise Linux or SUSE Linux.

1. On the server where you installed Status for SAP Applications, navigate to `<SAPStatus_HOME>`.
2. Perform the following steps to configure the Status for SAP Applications service.
 - a. Open the **LoftwareSA.service** file in a text editor, and configure the following credentials and locations for the Status for SAP Applications service.

Status for SAP Applications Service Properties

Property	Description and Example
User Group	The operating system user and group to be used to run the Status for SAP Applications service. This user must have the permissions necessary to run the sudo command.
WorkingDirectory	The fully-qualified path for the <code><SAPStatus_HOME></code> folder. Example <code>/opt/Loftware/SAPStatus</code>
ExecStart	The fully-qualified path for the following file: <code><SAPStatus_HOME>/LoftwareSA.sh</code> Example <code>/opt/Loftware/SAPStatus/LoftwareSA.sh</code>

- b. Save and close the **LoftwareSA.service** file.
3. Copy the service unit configuration file to the system folder by running the following command.


```
sudo cp LoftwareSA.service /etc/systemd/system/LoftwareSA.service
```
4. Enable the Status for SAP Applications service by running the following command.


```
sudo systemctl enable LoftwareSA.service
```

5. Start the Status for SAP Applications service by running the following command.

```
sudo systemctl start LoftwareSA.service
```

Installation and configuration of Loftware Integration Status for SAP Applications is complete.

Uninstalling Loftware Integration Status for SAP Applications

To uninstall Loftware Integration Status for SAP® Applications, use the following procedure appropriate to the operating system running the server on which Status for SAP Applications is installed.

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Uninstall Status for SAP Applications on Windows Server

To uninstall Loftware Integration Status for SAP Applications, perform the following procedure as a server administrator.

Tip: Throughout this guide, `<SAPStatus_HOME>` refers to the folder where Status for SAP Applications is installed. The following location is recommended:
C:\Loftware\SAPStatus.

1. Perform the following steps to stop the Status for SAP Applications service.
 - a. Open the **Services** console in Windows Server.
 - b. In the **Services** console, find the Status for SAP Applications service, which is named **LoftwareSA**.
 - c. Stop the service if it is running.
2. On the server on which Status for SAP Applications is installed, navigate to `<SAPStatus_HOME>` and open a terminal window.
3. Run the following command to uninstall the Status for SAP Applications service.

```
LoftwareSA.exe uninstall
```
4. Delete the `<SAPStatus_HOME>` folder to finish uninstalling Status for SAP Applications.

Uninstallation of Loftware Integration Status for SAP Applications is complete.

Uninstall Status for SAP Applications on Linux

To uninstall Loftware Integration Status for SAP Applications, perform the following procedure as a server administrator.

Tip: Throughout this guide, `<SAPStatus_HOME>` refers to the folder where Status for SAP Applications is installed. The following location is recommended:
`/opt/Loftware/SAPStatus`.

1. Stop the Status for SAP Applications service by running the following command.

```
sudo systemctl stop LoftwareSA.service
```
2. Disable the Status for SAP Applications service by running the following command.

```
sudo systemctl disable LoftwareSA.service
```
3. Delete the `<SAPStatus_HOME>` folder to finish uninstalling Status for SAP Applications.

Uninstallation of Loftware Integration Status for SAP Applications is complete.

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Loftware Cloud Enterprise SP User for Loftware Integration Status for SAP Applications

If Loftware Integration Status for SAP® Applications is being used to support an SAP BC-XOM integration in Loftware Cloud Enterprise™ SP, then a dedicated Loftware Cloud Enterprise SP user must be specified to enable communication between the SAP Application Server and Loftware Cloud Enterprise SP.

This Loftware Cloud Enterprise SP user is **not** automatically created by the installation of Status for SAP Applications. A Loftware Cloud Enterprise SP administrator must create this user in Loftware Cloud Enterprise SP before you can use Status for SAP Applications. Additionally, an SAP Basis Administrator must specify this Loftware Cloud Enterprise SP user in the configuration of Status for SAP Applications.

Note: Do not use this Loftware Cloud Enterprise SP user as a Run As user in SAP BC-XOM integrations.

A Loftware Cloud Enterprise SP administrator must create this user in Loftware Cloud Enterprise SP and assign it at least the following permissions:

- User permission for the root folder in Loftware Cloud Enterprise SP: Read permission for Integrations.
- Role permission: The user must be assigned to a role in Loftware Cloud Enterprise SP that has Read permission for Integrations.

Note: A user **Name** can include letters and numbers. Additionally, the following characters are permitted but cannot begin or end the name: hyphens, underscores, and periods. The maximum length is 50 characters.

Enable Communication with Loftware Integration Status for SAP Applications

If Loftware Integration Status for SAP® Applications is being used to support an SAP BC-XOM integration in Loftware Cloud Enterprise™ SP, then the method of status communication used by Loftware Cloud Enterprise SP must be configured appropriately.

By default, SAP BC-XOM integrations attempt to communicate status directly with SAP applications. If direct communication between the Loftware Application Server and the SAP Application Server is not possible, then Status for SAP Applications can be installed to facilitate communication.

To enable Loftware Cloud Enterprise SP to communicate using Status for SAP Applications, the following procedure must be performed in Loftware Cloud Enterprise SP by an administrator.

1. In **System**, click **System Preferences**.
2. In the **General Preferences** panel, for **SAP BC-XOM Status Communication**, select **SAP Status Agent** to allow communication using Status for SAP Applications.