Integration Framework for SAP Business One

Company SLD Configuration

Global Roll-out

August 2018, Justin McGuire

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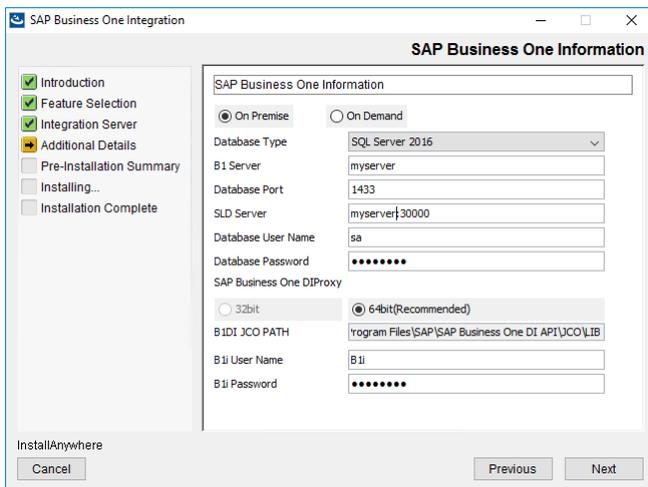
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1. INTRODUCTION

The integration framework for SAP Business One uses company SLD entries to define the connection information used to send and receive data from SAP Business One company databases. A typical company SLD entry consist of 3 sections, the B1DI section, the Service Layer (B1SL) section (SAP Business One, version for SAP HANA only), and the JDBC section. This document focuses on the B1DI and JDBC sections. For the Service Layer section, please refer to the document Configure Connectivity to SAP Business One Service Layer.

2. SLD CREATION

Company SLDs are generally created automatically, after installation of the integration framework is completed. The information provided during installation will be used to create the SBO-COMMON SLD entry. This SLD entry is then used as template for company database SLD entries.

You can also create a company SLD entry manually.
If the SAP Business One company database entry is not listed in the integration framework for SAP Business One SLD section, please refer to the SAP Note 2032666.
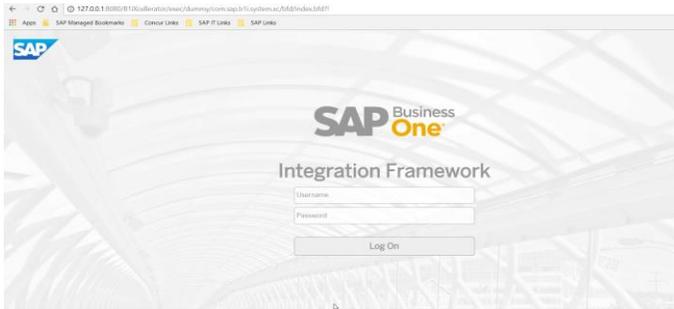
3. COMPANY SLD VERIFICATION

The communication between the integration framework for *SAP Business One* and *SAP Business One* or *SAP Business One, version for SAP HANA* needs to be verified.

3.1 Login to the Integration Framework for SAP Business One

Default http address is http://<FQDN>:8080 (e.g. http://127.0.0.1:8080)
Default https address is https://<FQDN>:8443 (e.g. https://127.0.0.1:8443)

Default administrator user for login is *B1iadmin.* The password for this user was defined during the installation process of the integration framework for *SAP Business One.*

3.2 Review the B1DI Configuration
There are 5 general areas to review:

3.2.1 Common Fields – b1Server and company

These fields should match the data in the SAP Business One System Landscape Directory Control Center and are also copied to the JDBC url in the JDBC section:

Note:
To enter an instance, use the following pattern: <IP address or logical name>\<instance name>

The string must be identical with the string in the EventSender setup for the SAP Business One system. If you use, for example, a logical name in the EventSender, enter the logical name here. The value comparison is case-sensitive.

If you use the associatedSrvIP parameter for a HTTP or a Web service system (for example mobile or dashboards) to associate an incoming call to an SAP Business One system, ensure that both parameters are identical.
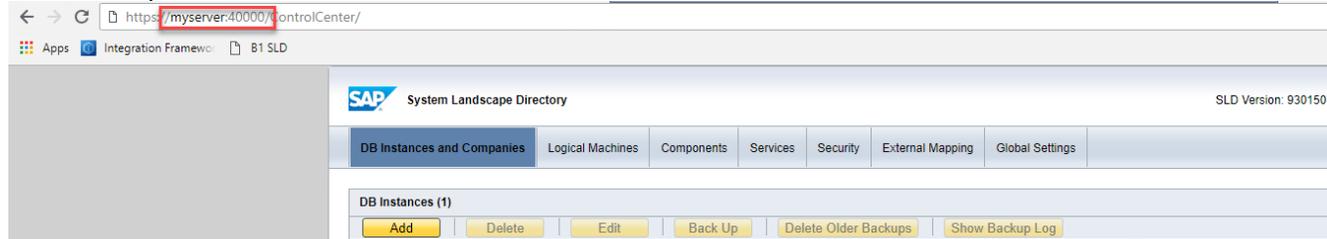
3.2.2 licenseServer / sldServer

licenseServer has been replaced by sldServer as of SAP Business One 9.2 PL05. For older SAP Business One systems, you can continue to use licenseServer and set sldServer empty.
The sldServer value can be easily found from the Control Center url
The default port value is 40000

3.2.3 dbType, dbUser, dbPassword

Choose HANA, or the MSSQL version. Enter the **dbUser** for establishing a connection to the database server, for example in HANA "SYSTEM", or MSSQL "sa" and the relevant **dbPassword.**

isTrust field can also be used. If true, ensure the integration framework service runs (Log On As) under an account with access to the SQL server and database. If false, you must provide user credentials in **dbUser** and **dbPassword** fields.

3.2.4 userName, password

This should be the B1i user from the company database. Reset the password if necessary. The B1i user should be assigned B1iINDIRECT MSS and B1i licenses.
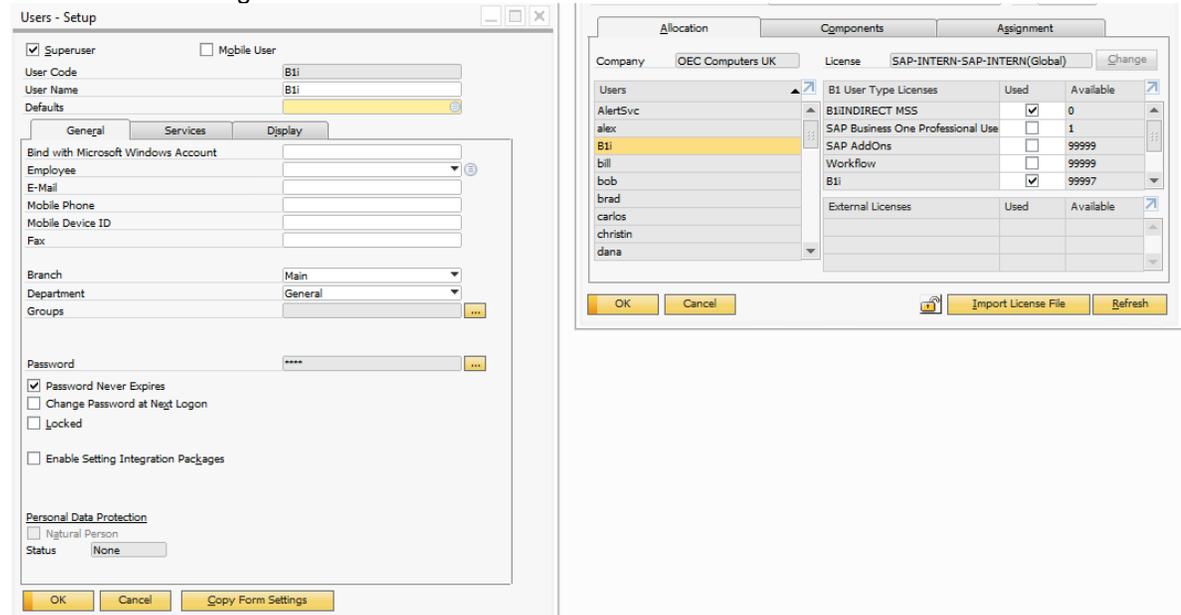
3.2.5 diProxyHost, diProxyPort

Enter the address of the **diProxyHost** (where the DI proxy service is installed and running)
Specify the **diProxyPort** of the required DI Proxy server. The default port is 2099.

If using a DI Proxy Group, set diProxyHost as the group name and leave the port empty. For more information see SAP Note 1993784

3.2.6 Optional fields: language, jcoPath, proxyHost, proxyPort

language – set the resource language.

jcoPath – By default the jcoPath in the DI proxy property file (diproxyserver.properties) is used so this field is left empty.
proxyHost, **ProxyPort** - Enter the IP address and port of a HTTP proxy server, if a proxy server is required in your network for connecting to the SAP Business One server. Leave the fields empty, if a proxy is not required.

3.3 Review the JDBC configuration

JDBC		Test Connection	—
driver	com.microsoft.sqlserver.jdbc.SQLServerDriver
url	jdbc:sqlserver://myserver:1433;integratedSecurity=
username	sa
password	**

These field values are based on the SBO COMMON SLD entry
driver
MSSQL generally uses value *com.microsoft.sqlserver.jdbc.SQLServerDriver*
HANA uses value *com.sap.db.jdbc.Driver*
url

MSSQL typical url:
jdbc:sqlserver://myserver:1433;integratedSecurity=false;databaseName=278187;selectMethod=cursor;applicationName=IntegrServerSBO-COMMON
HANA typical url:
jdbc:sap://myserver:30015?currentschema="278187"
We can see the SQL Server Name and Company database is defined in both MSSQL and HANA urls. The values configured in the **Common Fields** section for **b1Server** and **company** are used here.
**username, password**
Generally, the same values as B1DI section dbUser and dbPassword are used.

3.4 Verify the Communication to *SAP Business One* Using the B1DI Section

The *SAP Business One DI API* connectivity is used in the integration framework for *SAP Business One* to enhance the information in the *Company Database*.

- GoTo *Integration Framework → SLD → B1i Server*
- Find in *Connectivity List (Active)* the *B1DI* section
- Press the *Test Connection* button
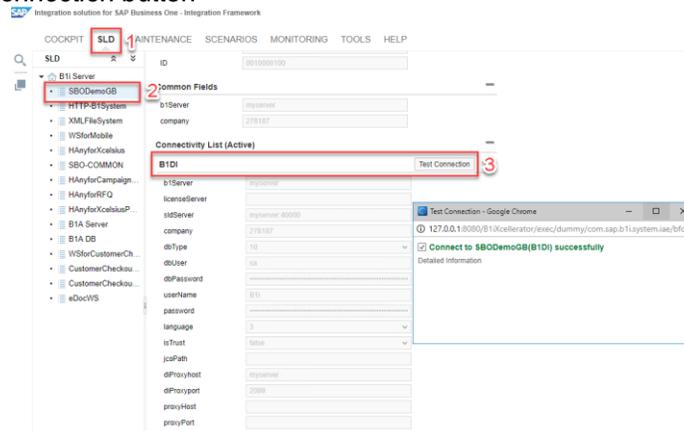
3.5 Verify the Communication to *SAP Business One U*sing the JDBC Section

The *JDBC* connectivity is used in *SAP Business One Integration Framework* in order to retrieve the information from the *Company Database*.

- GoTo *SAP Business One Integration Framework → SLD → B1i Server*
- Find in *Connectivity List (Active)* the *JDBC* section
- Press the *Test Connection* button
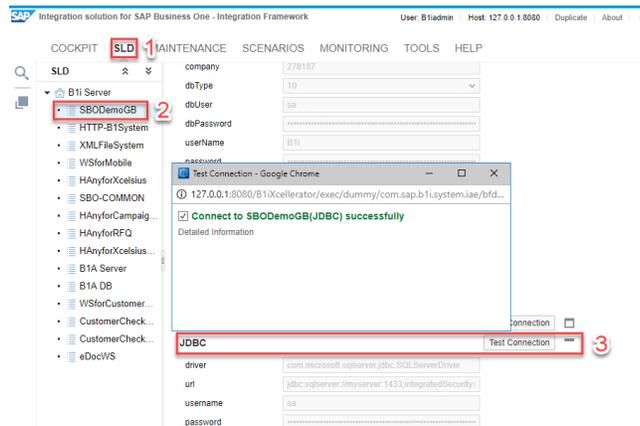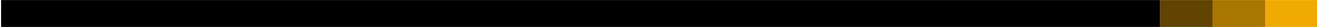
3.6 Troubleshooting:

3.6.1 *Company Database Is Missing*

The SAP Business One company database entry is not listed in the integration framework for SAP Business One in the SLD section.

To solve this issue, please refer to the SAP Note 2032666.

3.6.2 *The Communication Fails with Some Specific Error*

To solve this issue, please refer to the SAP Note 2029714.

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