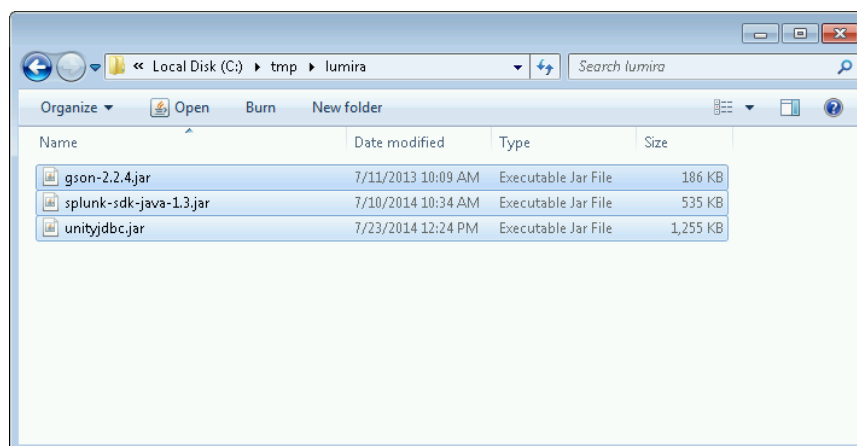
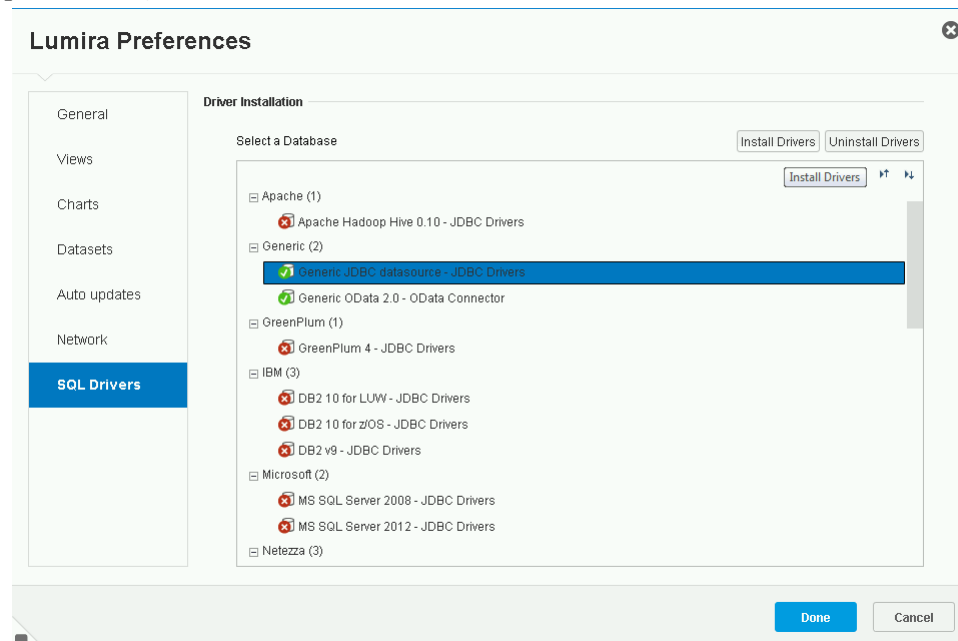
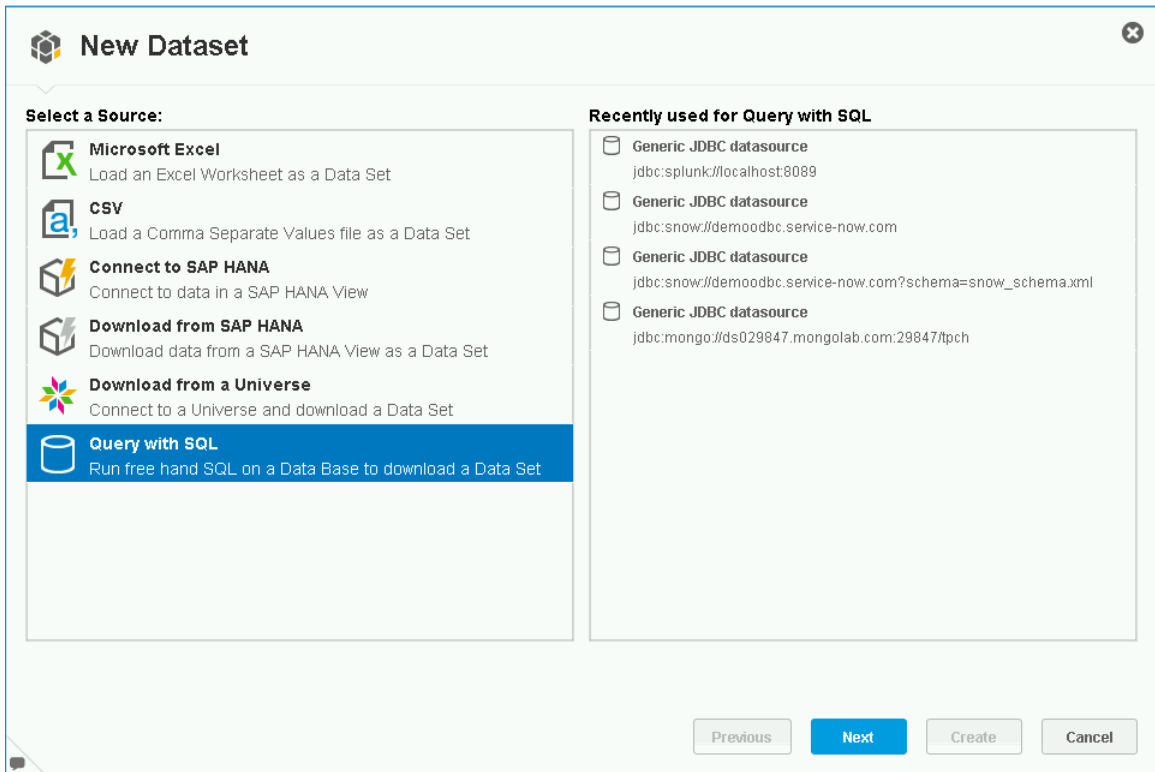


Splunk JDBC and UnityJDBC Driver Setup for SAP Lumira

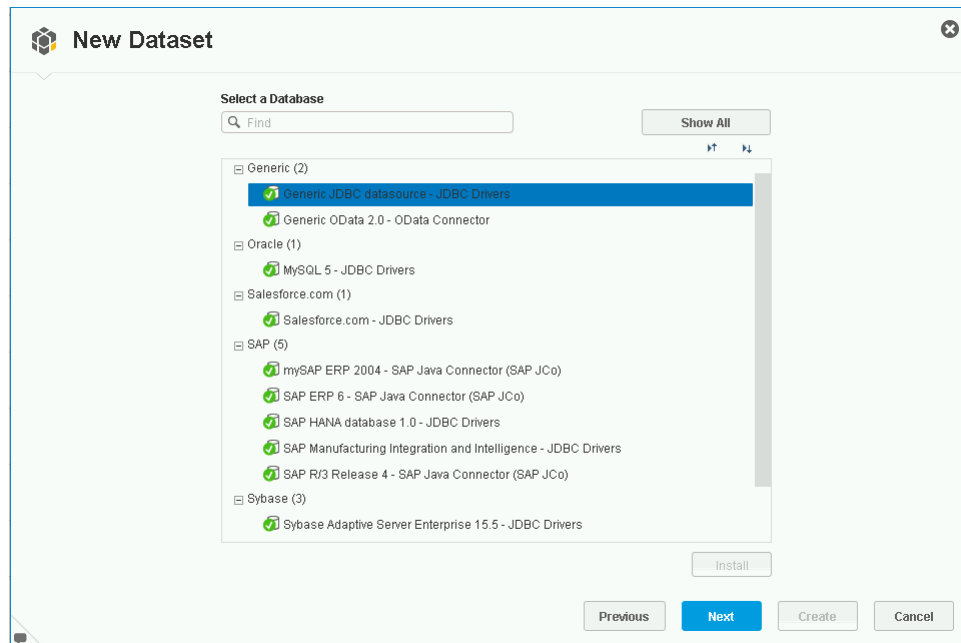
1. Download and install UnityJDBC. Use either: 1) the `splunk_unityjdbc_full.jar` from the installation directory or 2) `unityjdbc.jar` and `gson-2.2.4.jar` and `splunk-sdk-java-1.3.jar` from the subdirectory `drivers\Splunk`.
2. Place the three JAR files in a directory. For example: `C:\tmp\lumira`
3. Start SAP Lumira. Under File menu select Preferences. Select SQL Drivers. Select Generic JDBC datasource and click Install Drivers.
4. Select the three jar files for the driver in the directory where they were placed (e.g. `C:\tmp\lumira`).



5. Create a **New Dataset** using the File menu by selecting New. Select Query with SQL. Note that this option is only available in the standard edition of SAP Lumira. Click Next.



6. In the next window, select Generic JDBC datasource and click Next.



7. Add the JDBC connection information. For Splunk, a sample JDBC URL is:

User Name	admin
Password	admin
JDBC URL	jdbc:splunk://localhost:8089
JDBC Class	splunk.jdbc.SplunkDriver

The screenshot shows a 'New Dataset' configuration window. It contains the following fields and buttons:

- User Name: admin
- Password: masked with dots
- JDBC URL: jdbc:splunk://localhost:8089
- JDBC Class: splunk.jdbc.SplunkDriver
- Buttons: Advanced, Connect (blue), Connect (grey)
- Footer buttons: Previous, Next, Create, Cancel

8. Click the `Connect` button to verify the connection. If you have errors, then check the user name and password as well as the JDBC URL. SAP Lumira provides limited error messages for diagnosis. More details can be found in the log whose location is configured in the file `BO_trace.ini` (see `log_dir` setting). A default location is:
`C:\Users\\AppData\Local\Temp\sapvi\logs`
9. To make the driver go into debug mode and provide more details add the parameter `debug=true` to the URL like this:

JDBC URL	<code>jdbc:splunk://localhost:8089?debug=true</code>
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10. Now enter a query for your data set. On the right side you can browse the tables in your Splunk database. In the Query box you can enter a query. Note that with the trial version of the driver you are limited to 100 results. Add LIMIT 100 if you encounter errors. For more details see: https://www.unityjdbc.com/splunk/splunk_jdbc.php Also note that SAP Lumira incorrectly replaces spaces with + in table names. Please remove each + and replace with a space. The JDBC driver will display each saved search and index that has data. Indexes are prefixed with "idx_". The default main index is "idx_main". SQL syntax supported includes WHERE filters, expressions, aggregate functions, ORDER BY, and joins.

New Dataset

SELECT A TABLE OR TYPE AN SQL QUERY

Find

CATALOG_VIEW

- splunk
 - DynamicSearch
 - Errors+in+the+last+24+hours
 - Errors+in+the+last+hour
 - idx_audit
 - idx_internal
 - idx_main
 - indexing+workload
 - Messages+by+minute+last+3+hours
 - Splunk+errors+last+24+hours
 - TestSearch**
 - Top+five+sourcetypes
 - VIP+Customer

Dataset Name: TestSearch

Query: select * from "splunk"."TestSearch"

Preview

Select All 47 / 47 columns - 427 rows

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
JSESSIONID	_bkt	_cd	_indextime	_kv	
SD5SL6FF7AD...	main~0~A8AE9...	0:208619	1402942185	1	12
SD6SL4FF1AD...	main~0~A8AE9...	0:725401	1402942187	1	64
SD8SL10FF9A...	main~0~A8AE9...	0:407832	1402942185	1	74
SD0SL9FF7AD...	main~0~A8AE9...	0:724784	1402942187	1	20
SD3SL5FF5AD...	main~0~A8AE9...	0:407322	1402942185	1	21
SD10SL4FF2A...	main~0~A8AE9...	0:724709	1402942187	1	21
SD5SL5FF8AD...	main~0~A8AE9...	0:406404	1402942185	1	12
SD3SL3FF10A...	main~0~A8AE9...	0:723893	1402942187	1	16

Previous Next **Create** Cancel

11. Click **Create** and SAP Lumira will load the data set. If an error occurs during load, check the log for the issue. Lumira does not provide details in the user interface why a load failed.

12. Now the data is loaded you can use SAP Lumira to create powerful visualizations and manipulations of your data set.

