

# Paxata 2018.2 Data Source Support Matrix

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You can use Paxata connectors to import and export with external data sources. For some data sources, connectivity is provided by the JDBC connector rather than a separate connector. For data sources that use the JDBC connector, you must download and install a specific required version of the JDBC driver.

## Supported Data Sources in This Release

Only the data sources in the following table are supported for this release, including for customers upgrading from prior Paxata releases. You must use the required versions, as well as JDBC driver versions where applicable. If you have questions or want to request support for additional data sources, please contact Customer Support.

Data source	Supported versions of the data source	Install connector or JDBC driver?	Import support	Export support
<b>File and object stores</b>				
<b>Local files</b>	--	n/a	Import common formats Supports compressed files	Export common formats
<b>Amazon S3</b>	--	Connector (pre-installed)	Imports common formats and Parquet. Supports compressed files and wildcards.	Export common formats and Parquet
<b>Azure Blob Storage (WASB)</b>	--	Connector (pre-installed)	Import common formats and Parquet Supports compressed files and wildcards	Export common formats and Parquet
<b>Azure Data Lake Store (ADLS)</b>	--	Connector (pre-installed)	Import common formats and Parquet Supports compressed files and wildcards	Export common formats and Parquet
<b>Google Cloud Storage</b>	--	Connector	Import common formats Supports compressed files and wildcards	Export common formats
<b>HDFS on CDH5</b>	CDH 5.12-5.14	Connector (pre-installed)	Import common formats and Parquet Supports compressed files and wildcards	Export common formats and Parquet

Data source	Supported versions of the data source	Install connector or JDBC driver?	Import support	Export support
<b>HDFS on HDP2</b>	HDP 2.6.3	Connector (pre-installed)	Import common formats and Parquet Supports compressed files and wildcards	Export common formats and Parquet
<b>Network Share (SMB / Samba)</b>	SMB v2, v3	Connector	Import common formats Supports compressed files and wildcards	---
<b>SFTP</b>	SFTP servers compatible with clients that use protocol version 1,2, or 3	Connector	Import common formats Supports compressed files and wildcards	Export common formats
<b>SharePoint</b>	2013, 2016, Online	Connector	Import common formats and SharePoint Custom Lists Supports compressed files	Export common formats
<b>Databases</b>				
<b>Azure SQL Data Warehouse</b>	--	Connector	Import Supports queries	Export Creates an external table using a file uploaded to Azure Data Lake Store.
<b>Hive (CDH5)</b>	CDH 5.12-5.14	Connector	Import Supports queries and <i>Parallel Import for Hive</i>	Export
<b>Hive (HDP2)</b>	HDP 2.6.3	Connector	Import Supports queries	Export
<b>IBM DB2</b>	10.x+	JDBC <i>Use driver version 4.11</i>	Import Supports queries	Export
<b>IBM Netezza</b>	7.x+	JDBC <i>Use driver version 7.2.</i>	Import Supports queries.	Export

Data source	Supported versions of the data source	Install connector or JDBC driver?	Import support	Export support
<b>MS Azure SQL</b>	--	JDBC <i>Use Microsoft driver 6.0.7507.100. Use username/password authentication, which is compatible with Azure Active Directory or SQL Authentication.</i> <i>JavaKerberos and NTLM authentication are unsupported.</i>	Import Supports queries.	Export
<b>MS SQL Server</b>	2012	JDBC <i>Use jTDS driver version 1.3.1 for NTLM or SQLServer database username/password authentication.</i> <i>Use Microsoft driver 6.0.7507.100 for username/password authentication, which is compatible with Active Directory or SQL Authentication. Active Directory support requires SQL Server on Windows, not Linux. JavaKerberos and NTLM authentication are unsupported.</i>	Import Supports queries.	Export
<b>Oracle</b>	11, 12	JDBC <i>Use driver version 11+</i>	Import Supports queries	Export
<b>PostgreSQL</b>	8.4	JDBC <i>Use driver version 9.6</i>	Import Supports queries	Export
<b>MySQL</b>	5.1	JDBC <i>Use driver version 5.1.39</i>	Import Supports queries	Export
<b>Redshift</b>	--	Use the built-in Redshift (not JDBC) connector. However, you must install a JDBC driver to a special directory. See <i>Installation Guide</i> for details. <i>Use Redshift JDBC driver RedshiftJDBC41-1.2.1.1001.</i>	Import Supports queries	Export

Data source	Supported versions of the data source	Install connector or JDBC driver?	Import support	Export support
SAP HANA SPS	11	JDBC <i>Use driver version 1.111.03-78bf6c853bb568fec93819498b2ec152c51cc958</i>	Import Supports queries	Export
Snowflake	--	Connector	Import Supports queries	Export
Teradata	15.0+	JDBC <i>Use driver version 15.10.00.22.</i>	Import Supports queries	Export
Vertica	--	JDBC <i>Use driver version 8.1.x.</i>	Import Supports queries	Export
<b>Applications</b>				
Salesforce	API v40	Connector	Import Salesforce reports Supports SOQL queries, although report results and row limits apply. See <a href="#">this page</a> .	---
Microsoft Dynamics 365	--	Connector	Import	---
<b>Business Intelligence</b>				
MicroStrategy	10.9	Connector	---	Exports to MicroStrategy projects as Intelligent Cube objects.
Tableau	9.3.7, 10.0.x, 10.5.x, Online	Connector	---	Export Proxies are unsupported
<b>NoSQL and other data sources</b>				
AWS DynamoDB	--	Connector	Import	---
Cloudant	--	Connector	Import	---
REST API	HTTP GET and POST requests with URL only.	Connector	Import common formats	---

## Formats

For file-based connectors, the common formats are listed in the table below. Nearly all common formats are available for both import and export, but Excel format is import-only. For information wildcard and globbing support, see “Wildcards and Globbing”.

Common format	Import support	Import support for wildcards and globbing	Export support
Delimited files (CSV/TSV)	Yes	Yes	Yes
Fixed-width column data	Yes	Yes	Yes
JSON	Yes	Yes	Yes
Apache Avro	Yes	Yes	Yes
Microsoft Excel	Yes	No. See “Wildcards and Globbing”.	No. Note that the Excel application can import separated (CSV/TSV) or fixed-width formats.

The HDFS connectors and some other connectors also support the Parquet format for import and export. Refer to each data source in the table to see if it supports Parquet. Wildcards and globbing are supported for Parquet files. See “Wildcards and Globbing”.

Refer to each data source in the table to see if it supports import of compressed files. Compressed files must be one of the following formats: Deflate, LZ4, Snappy, Gzip, or Bzip. In general, the decompressed file must be a common format as listed in the previous table. However, connectors that support Parquet files also support compressed versions of Parquet files.

## Wildcards and Globbing

Some connectors support wildcards. Search for and import multiple items on the data source with wildcard paths using special characters, such as \* for zero or more characters, ? to match a single character.

You can optionally concatenate and combine results from a wildcard search, which is a process is called *globbing*. Globbing files is unavailable for Microsoft Excel files. For delimited format and fixed-width format, you can remove duplicate header rows with an import parse option that appears during wildcard searches with compatible file types.

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