What's New in TIBCO® Data Virtualization

TIBCO® Data Virtualization 7.0.8

Server Updates

- Faster Cluster Join Operation - A new cluster node join operation has been introduced to drastically speed up the cluster join operation. This is a key benefit for large deployments (thousands to millions of resources per node) when nodes need to be added quickly.
- Constrained Delegation Support for JDBC Driver - Client applications using kerberos with the JDBC driver can now enable constrained delegation.

Data Source Updates

- New IBM DB2 LUW V11 adapter - Support for DB2 LUW v11 has been added. All levels of support have been updated (data source, cache, data ship and kerberos)
- New IBM DB2 z/OS v11 adapter - Support for DB2 z/OS v11 as a data source has been added.
- Microsoft SQL Server Updates - For SQL Server versions 2012 and higher, the query engine will push OFFSET and FETCH functions.
- Hive and Impala Updates - A new query engine capability for "IN clause" has been added for Impala/Hive adapters.

Client Updates

- Microsoft Power BI Support - Support for Power BI Desktop with 'import mode' only has been enabled tested against the PowerBI generic ODBC source with the TDV ODBC driver.
- New Lineage API for Data Source Information - A new system API has been enabled that shows the underlying data source platform of published tables. For federated published tables this will be blank. For pass through scenarios, this will show the data source platform so that client applications can optimize SQL and function support.

TIBCO® Data Virtualization 7.0.7

Server Updates

- The server has been updated to scale to much larger amounts of resource definitions (multiple millions) of metadata in Studio UI and Repository
- There is a manual-tune options for metadata cache size to support larger amounts of resource definitions
- Semi-join can now be pushed to multiple data sources
- The target namespace definition can now be moved to the top-level element in published web service response
- The server now supports SNMP v3 for integration with third-party notification systems

Procedural Updates

- There is a new parameter in the RBS procedure signature to pass in the current resource's full name for the current execution
- Design by Example functionality is now supported for introspected procedures
- There are now functions to return constants for current username and user domain when writing procedural code
- Add an environment variable to retrieve path and name information of a procedure

Data Source Updates

- The Greenplum adapter has been updated to support the following:
  - Kerberos Authentication
  - Data Ship Join Optimization
  - Updated push down capabilities
- Google Big Query Adapter has been optimized to push down many more functions
- The Query Band feature for Teradata allows using all of the exposed properties on the server
- For SAP BW BEx data sources there is now an indication in the UI, whether an input field is mandatory or not
- SQL Server 2016 is now supported as a data source, cache target and data ship target
- When using Kerberos with the SQL Server adapter it now supports specifying a keytab file instead of username/password
- These adapters have been updated to newer versions:
  - Active Directory, Apache HBase, Cassandra, Couchbase, Dynamics CRM, Dynamics GP, Dynamics Nav, DynamoDB, Eloqua, Email, Excel Services, Excel Services 2010, Facebook, Google Adwords, Google Analytics, Google Apps, Twitter

Deployment Manager Updates

- There is now a specific role for users who need to use the Deployment Manager so they do not have to be members of the admin group
- Individual published resources can now be added to resource bundles
- The Deployment Manager UI now allows individual published resource(s) to be dragged and dropped into resource bundles

Third-Party Updates

- Server, Business Directory and Studio now use JRE 1.8.0_172.
- A new JDBC driver has been added for JRE 1.8 clients (csjdbc.jar). JDBC drivers for JRE 1.7 (csjdbc7.jar) and JRE 1.6 (csjdbc6.jar) clients are still available.
- Cache and Repository databases have been updated to Postgres 9.6.8.
- Jetty server has been updated to 9.2.22.v20170606.

Deprecations

- The TDV Server and Business Directory no longer support OpenSUSE 10.x
- 32-bit versions for TDV Server and Business Directory for all platforms are no longer available. There are still 32-bit and 64-bit versions for the Studio and ODBC drivers on AIX, Solaris, Linux, Windows.
- TIBCO® Data Virtualization 7.0.6 (TDV) is the first release of the data virtualization product at TIBCO Software Inc. This release incorporates the TIBCO branding, new simplified packaging and some fixes for MongoDB and Cassandra adapters.
- TIBCO® Branding
- All Cisco images, splash screens and directories have now been replaced with TIBCO images. Directories are updated for new installs but will not be changed for upgrades from prior versions.
- New Packaging
- Now under TIBCO®, the packaging has been greatly simplified. TDV 7.0.6 will be sold by processor for all environment types. All add-ons under Cisco for adapter bundles, cluster and business directory are now included in the base package. The standard TIBCO options for prod, non-prod, prodplus and dev/test will be offered. Prodplus allows use of a specifed number of dev/test and failover/backup cores per production core purchased. For more information, please contact your account manager.
- Updates to MongoDB and Cassandra adapters
- The MongoDB and Cassandra adapters have been updated to fix issues with the data source hierarchy. Please review the release notes up on eDelivery under TIBCO® Data Virtualization for more information on these fixes as well as other fixes included in this release.