Delphix Release 6.0.2

Our 6.0.2 release was made available on May 7th, 2020. This release extends Delphix to support new database and file types and provides enhancements to security and failover processes. In addition, the upgrade process has been simplified with self-service upgrades. There are also numerous enhancements for mainframe masking workflows. This follows our bi-monthly release schedule and furthers our 2020 goals of “commitment to extensibility” and “relentless focus on our customers.”

High-Level Update

- Support for **Db2 Database Partitioning Feature (DPF)**: Delphix has long supported distributed Db2 (running on Unix/Linux Systems), but many of our key customers have asked us to support their partitioned Db2 Systems. Db2 supports partitioned databases as a means of scaling to larger, more complex systems. This feature will be part of the Db2 Virtualization plugin, which releases independently of 6.0.2. This plugin is scheduled for release in May and requires Engine version 6.0.2 or 5.3.9.

- **Windows Authentication for SQL Server:** Customers will be able to use Windows Authentication to link SQL Server databases. Now, rather than providing both a database user and a Windows user to ingest data, customers can leverage one set of credentials (a Windows OS user) to perform all source operations. Many of our customers have security policies that *only* allow them to use Windows Authentication. This capability will simplify SQL Server deployments and reduce Delphix’s security requirements on source databases.
- **Smart Failover:** Smart Failover allows the Delphix Administrator to simplify the failover operation by automating object conflict resolution. By selecting a new option “Automate Object Conflict Resolution” before the failover process starts, the failover process will rename all conflicting objects and show a report of all object changes at the end.

- **JDBC to Delimited Files Support:** On-the-fly masking jobs with a JDBC source and delimited file target are now supported. This is targeted at customers with data lake applications.

Technical Update

NFSv4 Support: NFSv4 is available for a limited set of configurations. In 6.0.2, specifically for data sources running on RedHat 7.0 or later for Oracle and Sybase. NFSv4 can be enabled using the CLI (see instructions about how to enable NFSv4 in the release doc).

- Support for additional host OS versions will be added in subsequent 6.0.x releases. We will consider enabling NFSv4 by default for those supported configurations in a future release.

Support Bundles not Required for Upgrade: When upgrading from 6.0.0 or greater to a release 6.0.2 or greater, we will no longer require support bundles to be sent to Delphix. This allows more customers to execute self-service upgrades.

Mainframe Data Set Improvements for Masking: With this release, Delphix has delivered multiple quality enhancements around customers' mainframe masking workflows. The following enhancements are:

- **Mainframe Masking Performance:** Customers who are masking mainframe datasets may see a large improvement in performance. In initial testing, customers have seen upward of 80% improvement in throughput.
- **Engine Sync Support for Mainframe:** Using the standard Sync API, customers now can incorporate mainframe objects (connectors, rule sets, jobs, and formats) into their regular sync workflows (e.g. enlist multiple engines to mask a large mainframe DB or to build out an SDLC masking algorithm workflow).
- **Mainframe Support for Record Type APIs:** This enhancement builds upon the recent release of Record Type APIs to include mainframe support. Customers are now able to create and manage Mainframe data set record types via REST API, including redefine conditions.

Environment Sync Support for Masking: With this release an entire environment is now syncable with a

Environment Sync Support for Masking: With this release, an entire environment is now syncable with a single operation via the Sync REST APIs. Previously, Sync users would have to export/import objects on an individual basis; the process now is far more streamlined. Note, Environment Sync APIs are the preferred way of handling environment export/import versus XML-based transfer.

Virtualization SDK Plugin Upgrades: When writing plugins using the Virtualization SDK, plugin developers will often want to introduce new features or changes. Previously, code-only changes were always allowed, whereas schema changes required an entirely new plugin each time. Now, Delphix supports plugin upgrades for schema changes in new versions of plugins, which allows plugin developers to upgrade existing plugins in place to newer versions. The Virtualization SDK has been available since 5.3.5.0, and now we are proud to announce it is open source on Github. Partners and customers can use this repository to ask any questions or request any features through the new open source community.

Deprecation Notice - Masking XML-based import/export: With the release of Environment Sync Support, the Delphix masking engine has a more robust and user-friendly method for importing/exporting environments. As a result, Delphix will be deprecating XML-based import/export immediately with the 6.0.2 release and will End-of-Life this legacy feature in a future release.

Certifications

- **ASE 16.0 on AIX 7.1:** We have certified ASE 16.0 on AIX 7.1 in 5.3.9 and 6.0.1.0 and above
- **AWS r5n Instance Support:** r5n.2xlarge, r5n.8xlarge, r5n.16xlarge
- **Azure E Series Instance Support:** E8s_v3, E16s_v3, E32s_v3
- **Masking support of Oracle 19c**

Upgrading to 6.0.2

Users that wish to upgrade to 6.0.2.0 will upgrade by themselves without support involvement if they are already running on 6.0.0.0 or a higher version.