

Delphix Release 6.0.3

Our 6.0.3 release was made available on July 31, 2020. This release extends Delphix to support new masking algorithms and provides enhancements to security and capacity management. There are also numerous enhancements for different network protocols and replication performance. 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

- **Masking Algorithm SDK:** We have enabled a new, radically simpler, method to create new masking algorithms. With the new framework, Delphix, our partners and customers can create and share new algorithms. Read the FAQ and watch a demo.
- **CyberArk Vault Support for Virtualization:** We now introduce password vault support to authenticate environment and database linking. We support CyberArk Vaults with SQL Server and SAP ASE virtualization. Full HashiCorp and Virtualization SDK-based source (e.g. Db2 or partner-created plugins) support will come in the future
- **Capacity Management:** In this release, we display the details of held space on Virtualization engines, particularly around locked objects, and provide clear instructions about required steps to free up space.

Technical Update

- **Powershell Upgrade:** We reduced our requirements for Windows hosts running PowerShell by allowing customers to use any PowerShell version from 2.0 to 5.1. Delphix will now use the default available PowerShell version on each host. When specifying hooks (such as “configureClone”), the users may specify whether to use 2.0 or whatever PowerShell version is installed on the host.

- **NFSv4:** In this release, we expanded the support for NFSv4, with the additions of RedHat 6.3 and newer for all supported database platforms. We may add additional configurations in the future, depending on customer needs.
- **Plugin Upgrades, Phase Two:** This project simplifies customer plugin upgrades by allowing users to upgrade their plugins (e.g. Db2, EBS, etc.) once they have been migrated to the Python framework from Lua.
- **Support for Oracle Read-only Homes:** We have introduced support for Oracle read-only homes, which is a new Oracle home setting available with Oracle 18c. Oracle databases with read-only home enabled will write data and log files to a different directory outside of the read-only home.
- **Shared Toolkit Directories over NFS:** The Delphix Engine requires that every host includes a local directory to hold the Delphix toolkit. This can be problematic from a maintenance standpoint that can be further exacerbated when cluster architectures come into play. In this release, Delphix removed the local storage requirement for toolkit directories by offering an alternative - supporting a central directory for toolkits over NFS.
- **Replication Performance:** In this release, we continued to improve multi-object and single-object replication throughput. As replication performance can be affected by multiple factors, including customer infrastructure, we are prioritizing changes that cover a number of known use cases tracked by the product and support teams. We expect to keep improving replication performance for our subsequent releases as we learn from user experiences with 6.0.3 and beyond.
- **UI-based Environment Sync for Masking:** Over the past several releases we've introduced and refined the ability to synchronize objects between Masking engines via the API. In this release, we now support importing and exporting environments via the UI. Note that this will replace the previously available XML import/export that has been deprecated.
- **ASE VDB Upgrade:** SAP ASE customers will now be able to validate DBMS upgrades with this feature that enables provisioning VDBs to a higher version than the source DB (for example, ASE 15.7 → ASE 16).

Certifications

- **Masking**

- AzureSQL
- Azure Database for PostgreSQL service
- Azure Database for MySQL service
- Azure Database for MariaDB service

- **Virtualization**

- EBS 12.2 with RHEL 7.6
- PostgreSQL 9.6 with RHEL 7.7 and 7.8, PostgreSQL 12.1 & 12.2 with RHEL 7.8
- DB2 11.1 with RHEL 7.8, DB2 11.5 with AIX 7.1
- Oracle 11g R2, 12c R1, 12c R2, 18c, 19c with RHEL 7.8 (certified for 5.3.9.0 & 6.0.3.0+)
- Litespeed 8.9 (encrypted and unencrypted) for MSSQL 2016 on Windows 2016 (certified for 5.3.9.0 & 6.0.3.0+)

Upgrading to 6.0.3

Users that wish to upgrade to 6.0.3.0 can upgrade by themselves without support involvement if they are already running on 6.0.0.0 or a higher version.