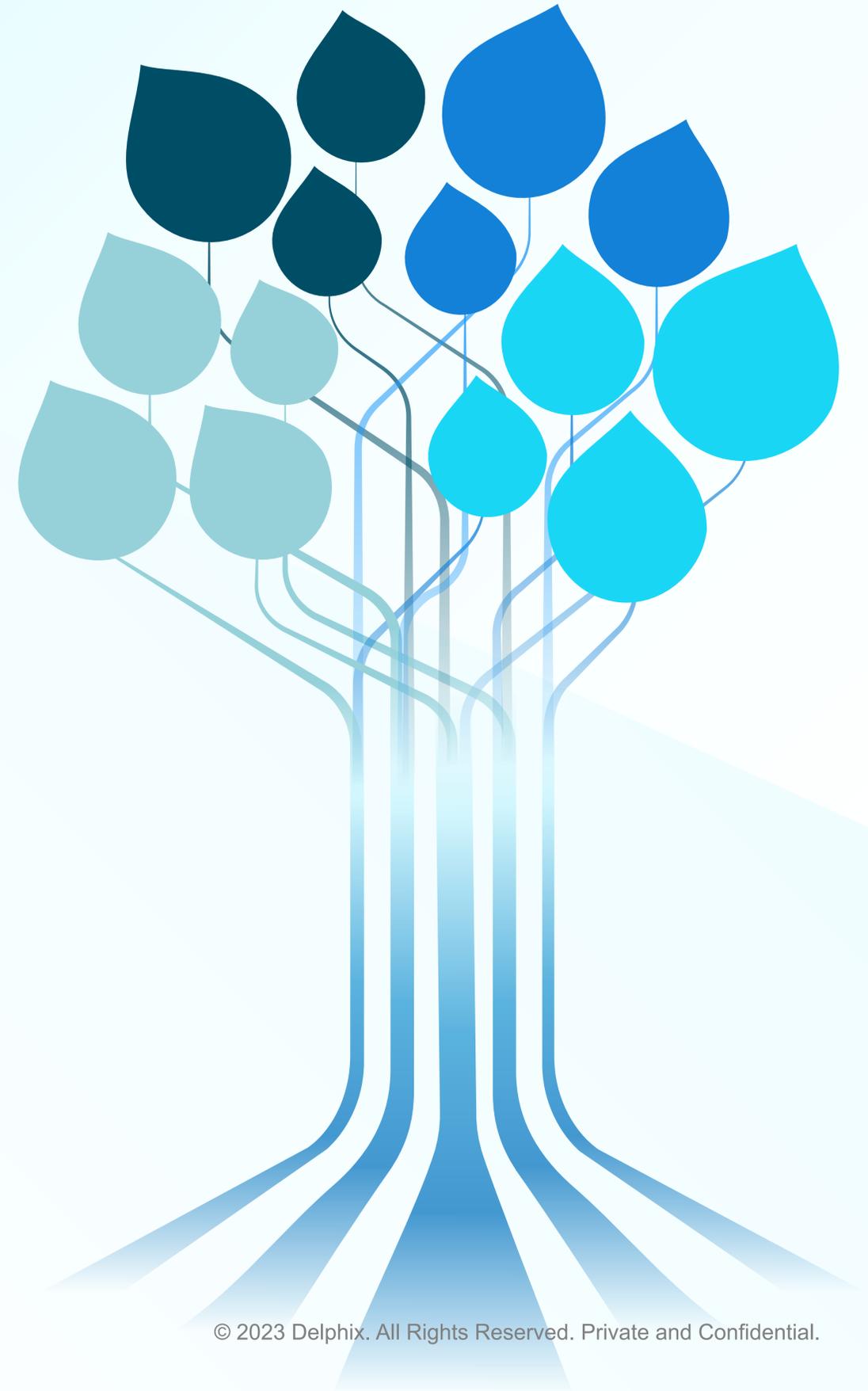


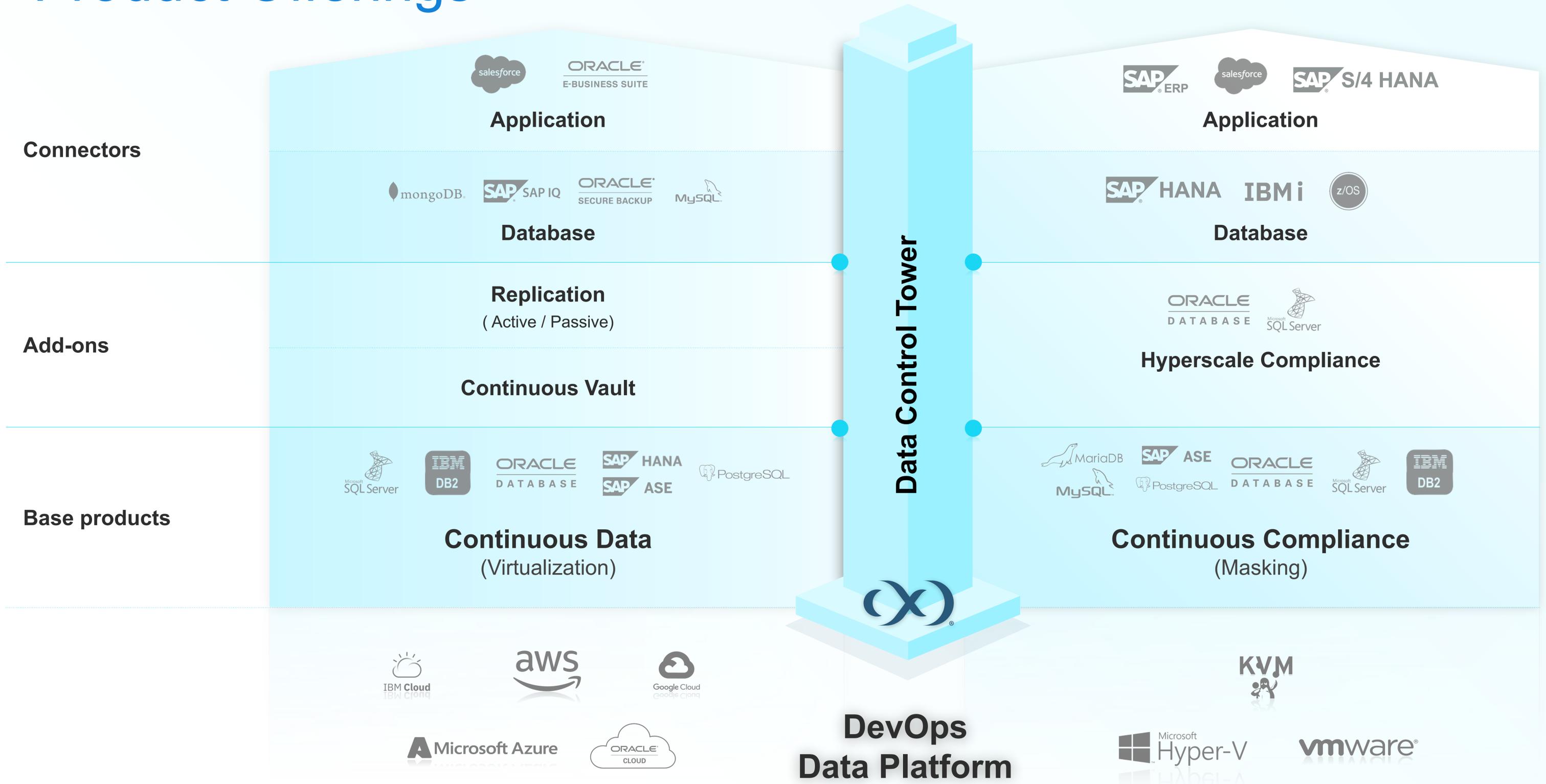


What's New

Delphix October 2023 Product Updates



Product Offerings



Data Control Tower

Single Point of Control for Multicloud Data Governance, Compliance, and Automation at Scale

Data Governance

Data library with catalog, tagging, and attribute-based access controls

Data Compliance

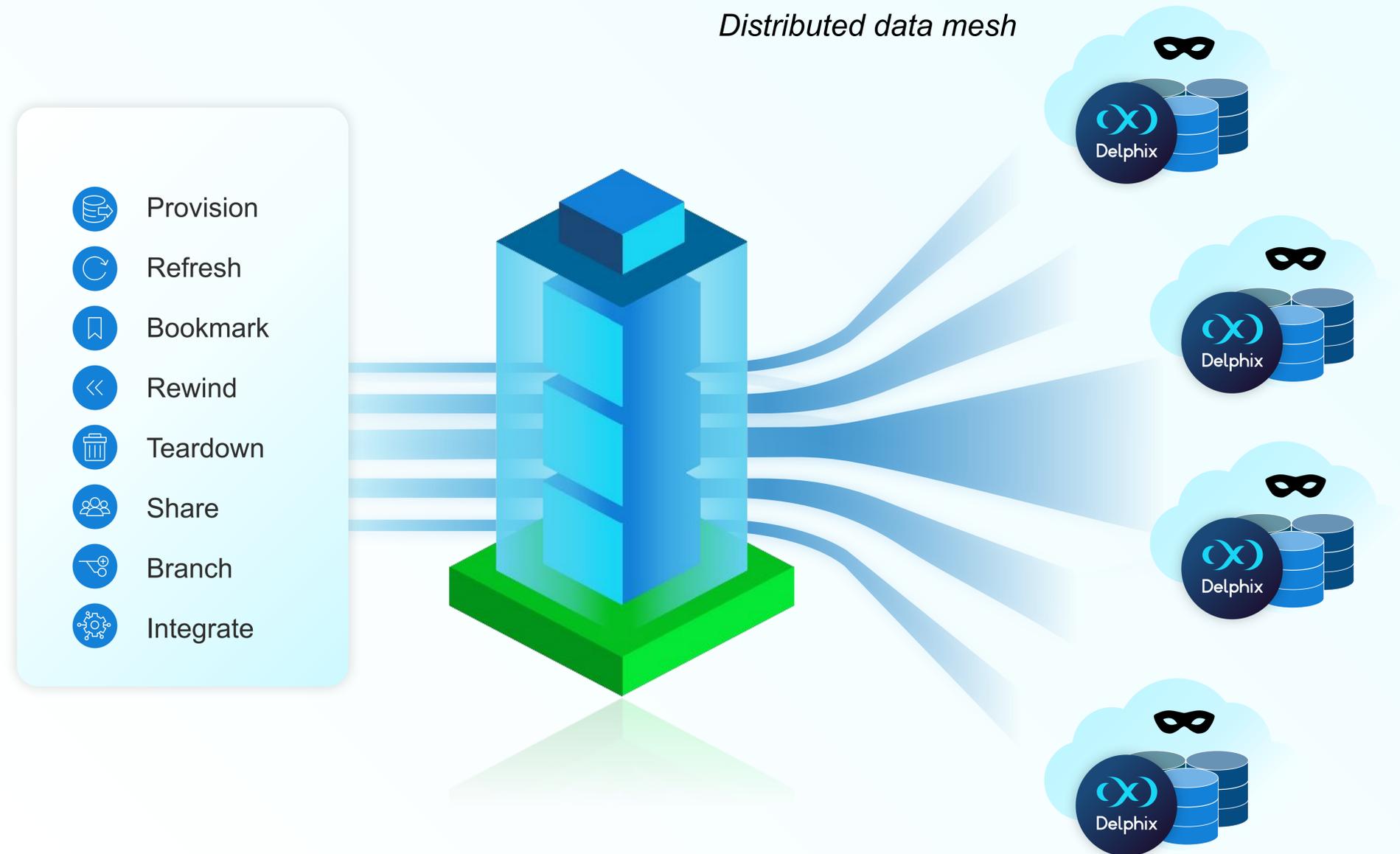
Global sensitive data visibility and central masking orchestration

Data Automation

Self-service developer experience with pre-built DevOps integrations to automate test data within CI/CD pipelines

 Terraform  servicenow  Jenkins  Jira

 GitHub  urban{code}  GitLab



October Feature Highlights

- **Masking algorithms can now be conditionally applied** to better handle cases of mixed data or to adhere to application rules.
- **Data Control Tower** can establish, monitor, and manage replication relationships across engines, including failover use cases.
- To comply with security policies and minimize vulnerability risks, you can now easily **re-deploy Delphix engine images while maintaining all configuration metadata.**

Previous Updates

August '23

Continuous Data (Virtualization)

- **Cloud Engines** has been rebranded as **Elastic Data**
- Support for deploying Elastic Data with on-premises, S3-compatible object storage arrays.
- Elastic Data on Oracle Cloud Infrastructure
- Replication Failback
- Oracle Staging Push point-in-time provisioning of data
- IBM Db2 Updates
- MySQL/Linux Updates
- Support for Adoptium Java
- SAP HANA Updates
- VMware ESXi 8.0 U1 Support

Continuous Compliance (Masking)

- Updated Classifiers
- Password Vault for IBM Db2 on LUW, iSeries, and z/OS
- Updated User Experience
- FTP Support for Mainframe MVS Storage
- Automated Sensitive Data Discovery Updates
- VMware ESXi 8.0 U1 Support

Hyperscale Compliance

- Delimited Files Connector: You can now use Hyperscale Compliance to mask collections of delimited files of your choice.

Compliance Services for Salesforce

- Data Type Prefiltering: Build a correct ruleset based on the datatype and identify non-maskable fields.
- Large Table Optimization (Beta): Additional optimizations to better support the masking of large tables are now available.

Compliance Services for Azure

- Support for Azure Private Link: You can now access DCS for Azure over a private endpoint in your virtual network, avoiding exposure to the public internet.
- (Beta) Automatic Sensitive Data Discovery as a Service: This beta offering will allow you to profile and mask data in a single Azure Data Factory pipeline or split these into two separate pipelines depending on the desired review workflow. If interested, please contact microsoft@delphix.com.

Previous Updates

September '23

Continuous Data (Virtualization)

- Delphix Elastic Data Engine Migration
- Export an Oracle non-multitenant or PDB snapshot to a physical Oracle ASM or Exadata database
- Oracle VDB Provision to a Different Patch Version: You may now provision a VDB with a different Oracle patch version than the source. This will allow you to test Oracle patches on VDBs before committing to production.
- SQL Server Provisioning Performance Enhancements
- Improved Access Control List (ACL) Update time for SQL Server Filestream Files
- Downloadable Fluentd Logs
- Changed Support Policy for Cloud Instance Types
- IBM Db2 Connector: SSL/TLS connections are now supported with HADR dSources
- MySQL/Linux Connector: The creation, rollback, and refresh actions of VDBs are blocked when the target environment's installed MySQL version is not the same as the dSource's installed MySQL version. The Managed Source Data report and TB usage calculations now report on MySQL data.
- Couchbase Connector: Couchbase v7.1.x Community and Enterprise Editions are now supported.

Compliance Services for Azure

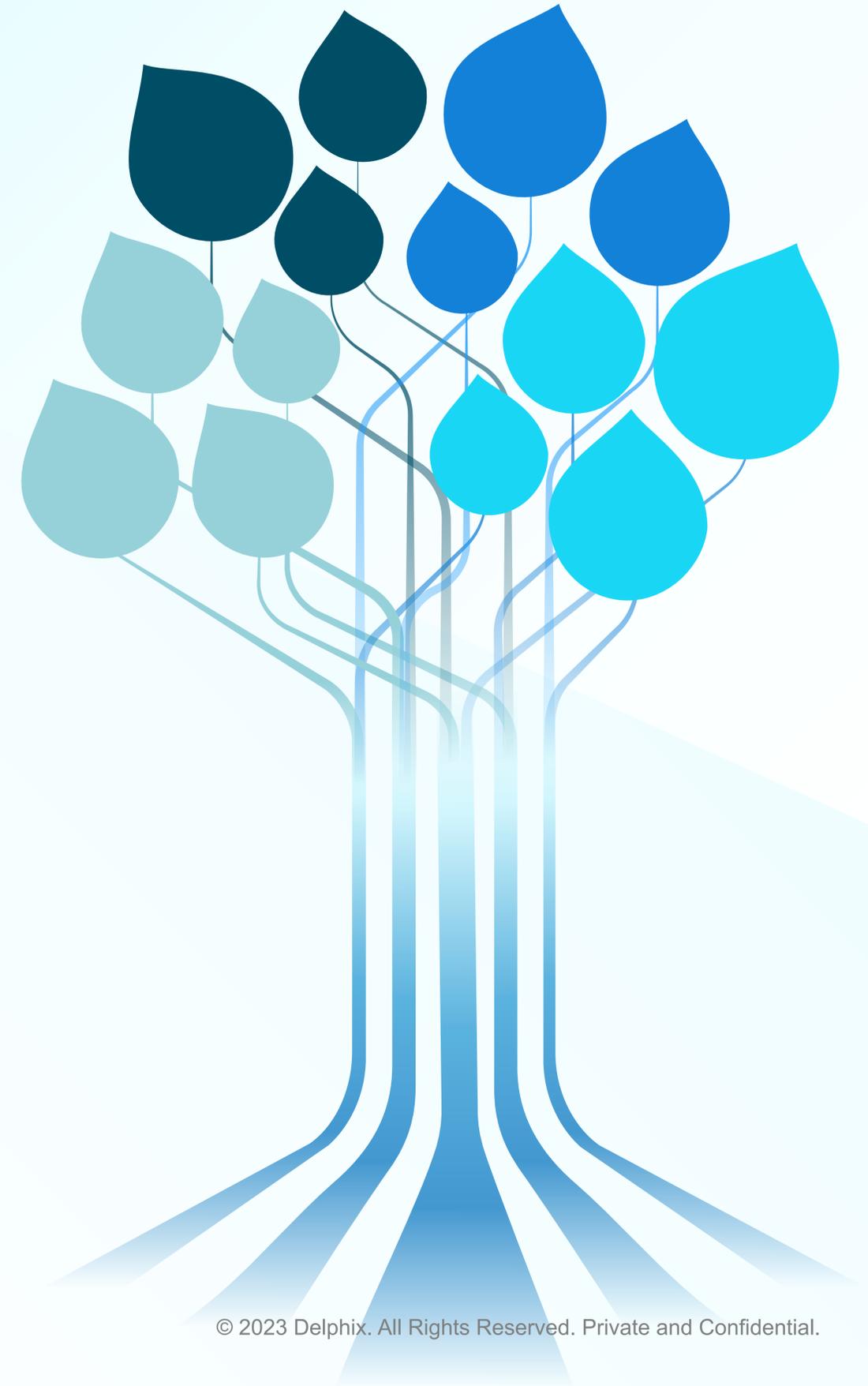
- (Beta) Automatic Sensitive Data Discovery as a Service: This beta offering will allow you to profile and mask data in a single Azure Data Factory pipeline or split these into two separate pipelines depending on the desired review workflow. If interested, please contact microsoft@delphix.com.

Continuous Compliance (Masking)

- Document type masking support for Delimited File Fields (JSON and XML): Increasingly, XML and JSON data are stored in delimited file fields, often due to exporting a database table to a delimited file. Now, these fields can be assigned an appropriate file format, so fine-grained masking of the XML or JSON can be performed.
- Improved Ruleset Auditing: We have enhanced our audit logging to include all items in a ruleset upon its deletion.
- Masking UI Revamp: The database and JSON inventory pages have been completely revamped, with a number of ease-of-use enhancements like filtering, sorting, column-resizing, and overall performance improvements. We highly recommend upgrading to take advantage of this improvement.
- SAP Accelerator: We have added various enhancements to streamline the rollout of our scrambling templates.



October 2023 Updates



Data Control Tower (DCT)

- **Hyperscale Compliance User Interface:** DCT now provides an interactive UI that enables creating and editing Hyperscale instances and the ability to update/execute Hyperscale jobs
- **Engine Replication Management:** DCT has added the capability of mapping replication parent/child relationships within its data library, including failover scenarios where replicas become the primary. This enables accurate monitoring and administration of replication workstreams.
- **Operations Monitoring Action Bar:** Continuously view all running operations relevant to a user group while performing other DCT UI activities using the new action bar.

Hyperscale Compliance User Interface

DCT now provides an interactive UI that enables creating and editing Hyperscale instances and the ability to update/execute Hyperscale jobs.

The screenshot displays the user interface for managing Hyperscale jobs. At the top, the 'DATA CONTROL TOWER' logo is visible on the left, and a hamburger menu icon is on the right. The main content area shows the breadcrumb 'Compliance Jobs > mssql-job' and the job name 'mssql-job' with its ID '8323a87b-dd8f-4510-b73a-386e6859b87d-1'. Below this, there are four tabs: 'Overview', 'History', 'Table Configuration' (which is active), and 'Access'. On the right side, there is an 'Actions' dropdown menu with a 'Run' button. The 'Table Configuration' section is divided into two parts. On the left, under the heading 'Tables', there is a search box and a list of tables: 'new_table' (highlighted in blue) and 'testdata_DEFAULT'. On the right, the 'new_table Settings' panel is shown, featuring an 'Edit' button and the following configuration details: 'Filter Key' (empty), 'Column Array Rows' (empty), 'Unload Split' (3), and 'Stream Size' (65536).

Operations Monitoring Action Bar

Continuously view all running operations relevant to a user group while performing other DCT UI activities using the new action bar

The screenshot shows the Data Control Tower (DCT) interface. At the top, there is a navigation bar with the logo and menu items: Home, Data, Compliance, Insights, and Admin. The user's name 'ross' is visible in the top right. The main content area is titled 'Infrastructure Connections' and includes a search bar and a '+ Infrastructure Connections' button. Below this is a table of infrastructure connections with columns for Name, Hosts, DBMS (Version), Config, Engine ID, and Tags. A modal window is open over the table, displaying details for a specific operation. The modal has a 'Details' section with the following information: Status: Started, Type: VDB Refresh, Start Time: Oct 18, 2023 10:02 AM PDT, Last Updated: Oct 18, 2023 10:02 AM PDT, Target Name: CDOMLOR50BDPDB2_KZL, and Engine: bhavik-engine. There is also an 'Errors' section which states 'No error logs available.' At the bottom left, there is a 'View Details' button with a magnifying glass icon and a 'Dismiss' button with an 'X' icon. At the bottom right, there is a 'View All' button with a magnifying glass icon and a close button with an 'X' icon. The bottom of the screen shows a notification for 'VDB Refresh' on 'CDOMLOR50BDPDB2_KZL'.

Name ↑	Hosts	DBMS (Version)	Config	Engine ID	Tags
bhavik-src	bhavik-src-ora.dlpxdc.co	Unstructured Files Oracle (19.11.0.0.0)	Standalone	4	Add Tags > View >
bhavik-tgt					Add Tags > View >
bhavik-tgt					Add Tags > View >
bhavik-tgt Replica					Add Tags > View >
mm-src					Add Tags > View >
mm-src					Add Tags > View >
mm-tgt					Add Tags > View >
mm-tgt					Add Tags > View >
mm-tgt					Add Tags > View >
mm-tgt					Add Tags > View >
mm-tgt					Add Tags > View >
mm-tgt					Add Tags > View >
ms-tat	ms-tat dco12 delphix.com	MSSql (13.2.5233.0) Unstructured Files MSSql (13.2.5233.0)	Standalone	6	Add Tags > View >

Continuous Compliance

- **New Multi-Column Conditional Algorithm Framework:** We have added a new algorithm framework that enables conditional masking of a column. For example, you can use this framework to apply different secure lookups to a name column based on a language code. This will eliminate the need for scripting or custom frameworks that were previously required.
- **Additional Classifiers and Algorithms:** We added additional classifiers, domains, and algorithms to allow you to find and mask age and location data easily.
- **Updated User Experience:** We continue overhauling the user interface to provide better utility, scalability, and stability. We've updated the inventory page for XML and mainframe file formats in this release.
- **FTPS Support for Mainframe Masking:** FTPS authorization is now available for masking files on mainframes.
- **Improved support for Db2 iSeries:** The Db2 iSeries database connector now supports automated management of indexes, constraints, and triggers impacted by masked columns. This eliminates custom pre- and post-scripting.

Continuous Compliance

- **Improved support for Db2 z/OS:** The Db2 z/OS database connector now supports automated management of constraints and triggers impacted by masked columns. This eliminates custom pre- and post-scripting. Note that due to the subtleties of the Db2 z/OS implementation, there is no support for automated management of indexes.
- **Password Vault for SAP ASE:** Supported password vaults may now be used with SAP ASE (Sybase) databases.
- **Improved support for SQL Server:** The SQL Server connector now supports leveraging Azure AD Service Principals.
- **Redeploy Support (Repave):** Continuous Compliance engines may now be disconnected from their storage and redeployed, maintaining the previous configuration and data. Note that redeployment support only works with the same Delphix Engine version.

Hyperscale Compliance

- **Embedded XML/JSON:** Applications increasingly store state as semi-structured data. To better cover these cases, masking XML and JSON content embedded in delimited files is now supported.
- **Hyperscale UI in DCT:** Hyperscale Compliance users can now leverage the Hyperscale User Interface in DCT to manage hyperscale orchestrators, manage and execute hyperscale jobs, and monitor job progress.

Continuous Data

- **Redeploy Support (Repave):** Continuous Data engines may now be disconnected from their storage and redeployed, maintaining the previous configuration and data. Redeployment support only works with the same Delphix Engine version. Currently, engine redeployment is not supported with Elastic Data engines.

October Product Version Releases

Product/Connector	Version	Release Date
MySQL Connector	v4.2.0	October 3, 2023
Jenkins Plugin	v3.1.0	October 17, 2023
Continuous Compliance	v16	October 18, 2023
Continuous Data	v16	October 18, 2023
Terraform Provider	v3.0.0	October 19, 2023
Data Control Tower	v11	October 23, 2023
Hyperscale Compliance	v14	October 31, 2023
Delimited Files Hyperscale Compliance Connector	v1.1.1	October 31, 2023

Delphix Product Updates Blog - released monthly



Product Updates Delphix Platform June 2023

PLATFORM JUN 29, 2023

Delphix Platform June 2023 Product Updates

The June 2023 updates to the Delphix platform include a new Software-as-a-Service offering for Microsoft Azure, an enhanced search interface and operations dashboard in Data Control Tower, and more.

[Read more →](#)



Product Updates Delphix Platform May 2023

PLATFORM MAY 30, 2023

Delphix Platform May 2023 Product Updates

The Delphix Platform's top new functionalities include Expanded data discovery, Oracle table space subsetting, and improved Data Control Tower developer experience.

[Read more →](#)



Data Privacy and Protection

PLATFORM MAY 11, 2023

5 Takeaways from Data Company Summit Miami 2023

Featuring luminary speakers from companies across many industries, Delphix's Data Company Summit 2023 was a great opportunity for IT leaders to learn how to unleash continuous innovation and compliance.

[Read more →](#)



PLATFORM APR 27, 2023

Introducing the Delphix Spoke for ServiceNow

The Delphix Spoke for ServiceNow provides out-of-the-box, automated workflows and actions, as well as a self-service catalog to enable application teams to manage their test data environments.

[Read more →](#)



PLATFORM FEB 13, 2023

Delphix and DataStax Automate Cassandra Data for CI/CD Pipelines and Application Migration

Find out how Delphix and DataStax automates Cassandra data provisioning for DevOps and Analytics

[Read more →](#)



Delphix for
Microsoft Intelligent
Data Platform

PLATFORM OCT 11, 2022

Delphix Launches New Compliance Service Integrated with Microsoft Intelligent Data Platform

Using Delphix in conjunction with Microsoft Intelligent Data Platform makes the delivery of on-demand, compliant data easy for all stakeholders

[Read more →](#)

[Delphix Platform Product Updates](#)