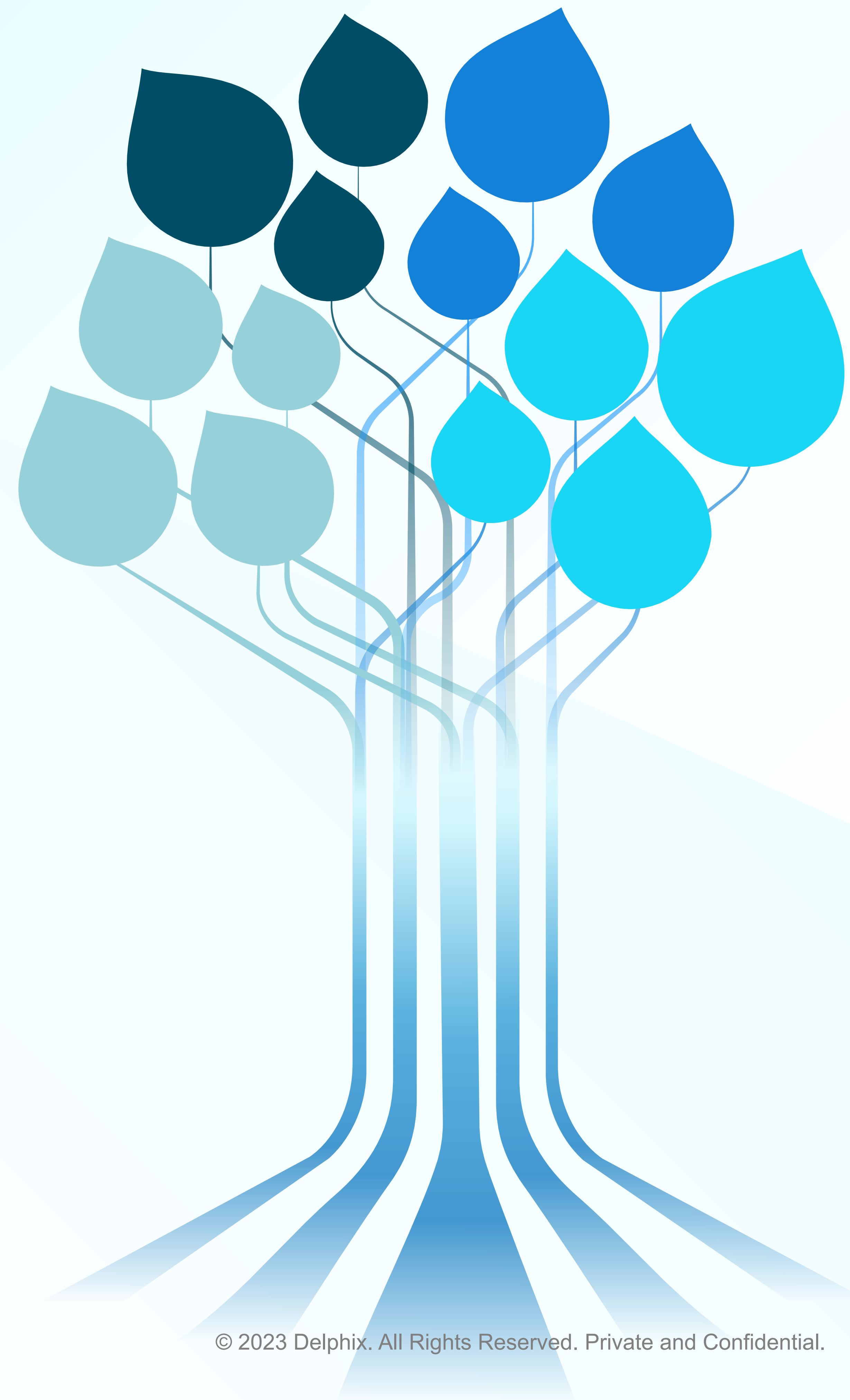


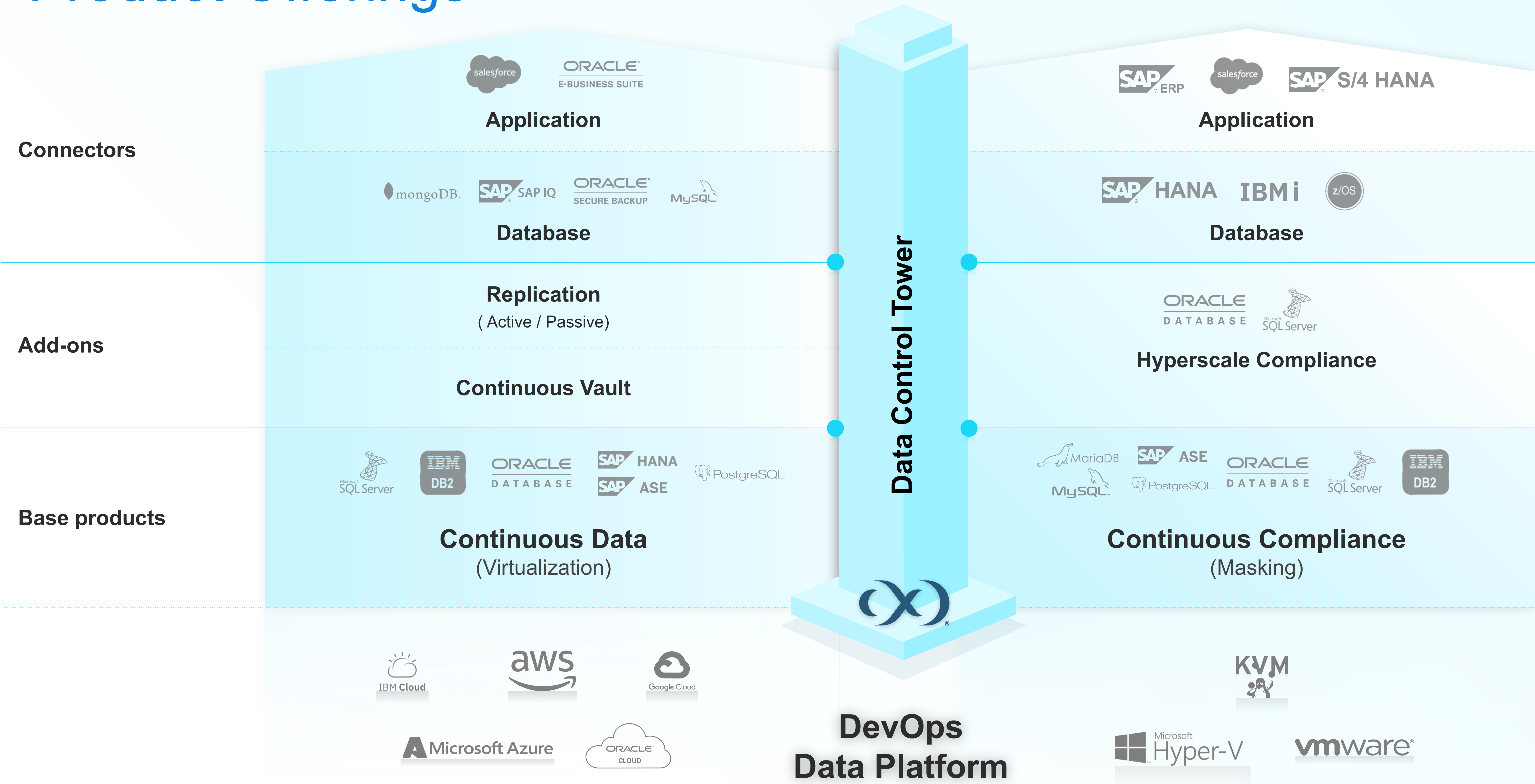


What's New

Delphix November 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

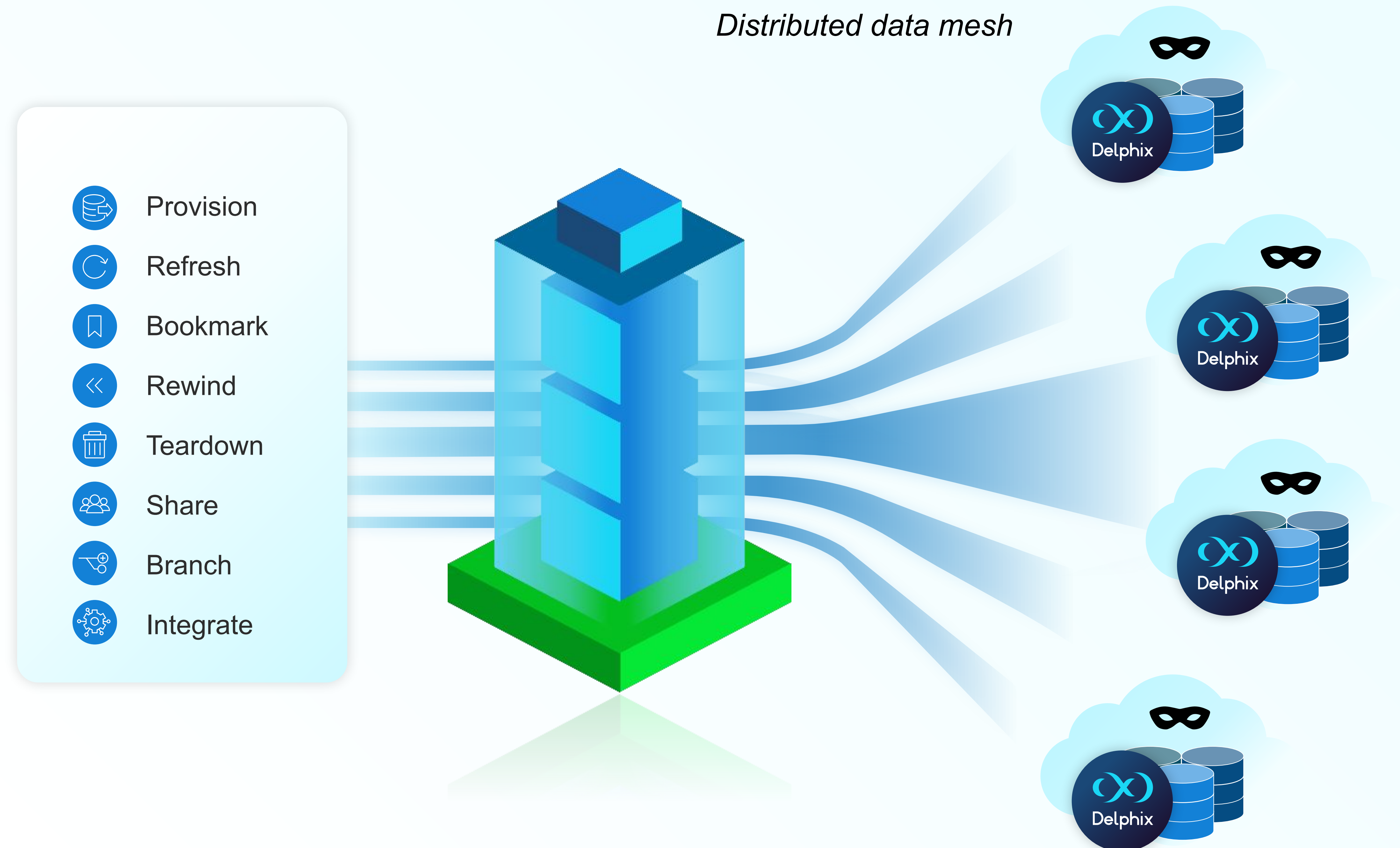
Global sensitive data visibility and central masking orchestration

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



November Feature Highlights

- You can **deploy virtualized datasets natively within your Kubernetes applications** via the Delphix Kubernetes Driver. This solution can save significant infrastructure costs and provide ephemeral data to your teams more efficiently.
- It's now significantly easier to mask thousands of tables with **Delphix Masking in Microsoft Azure Data Factory**
- **Additional classifiers and algorithms** will allow you to discover and mask more sensitive data.

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.

Previous Updates

October '23

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.

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.
- 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

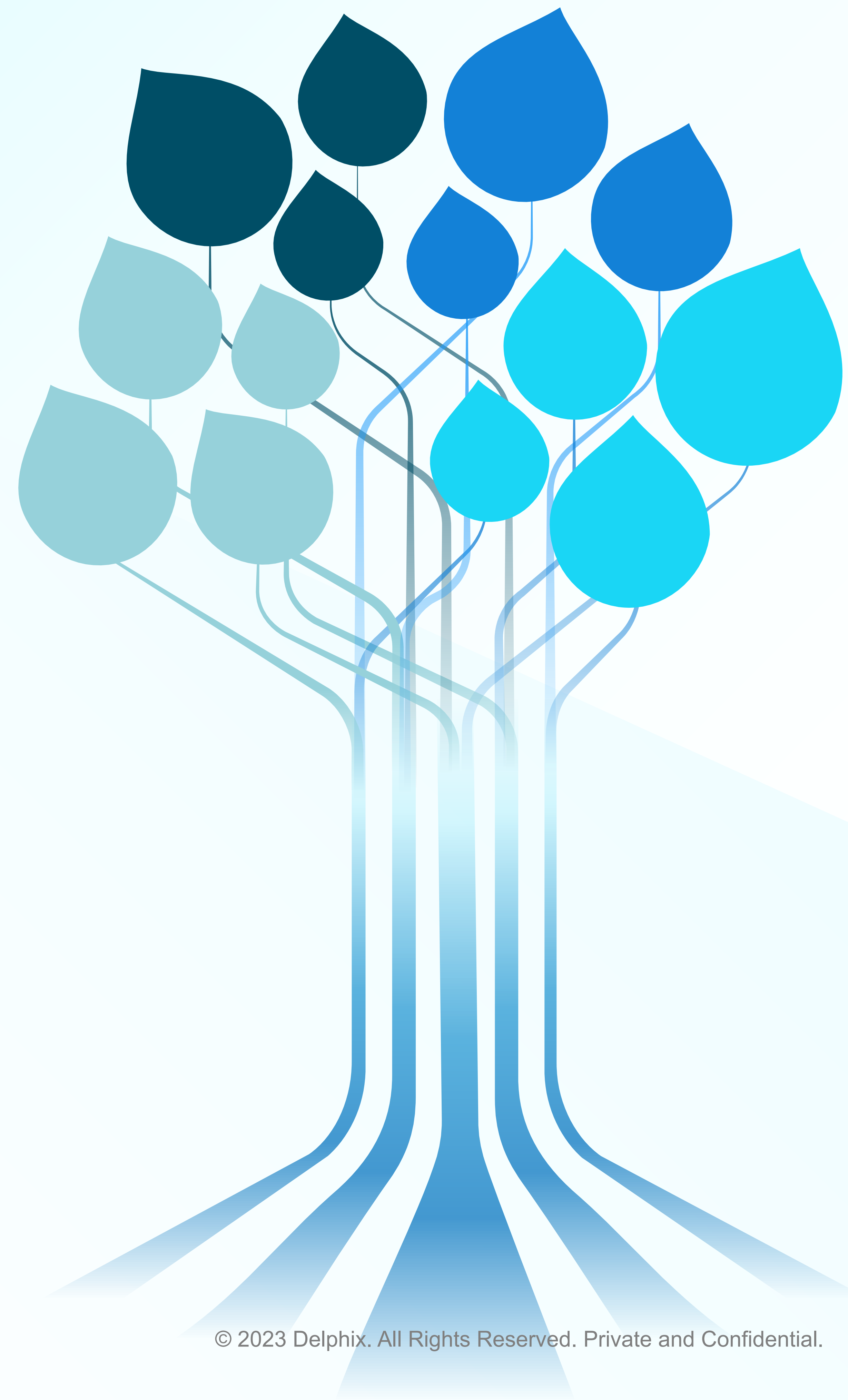
- Embedded XML/JSON: Applications increasingly store state as semi-structured data. To better cover these cases, masking XML and JSON content embedded in delimited files is now supported.
- Hyperscale UI in DCT: Hyperscale Compliance users can now leverage the Hyperscale User Interface in DCT to manage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



November 2023 Updates



Data Control Tower (DCT)

- **Delphix Kubernetes Driver:** Virtual databases can be provisioned into containers through Helm charts and kubectl commands using a new, pre-built DCT integration. Teardown of these containers can also be automated, enabling ephemeral infrastructure for Kubernetes-based applications.
- **Engine Performance Reports:** New Continuous Data and Compliance reports have been added to improve the central management of engine infrastructure performance. You can now view allocated resources and track performance for all connected engines, including disk latency, network latency, and throughput.
- **Hyperscale Compliance Jobs:** DCT now has support for creating, managing, and executing Hyperscale Compliance jobs. The concept of Engine Pools has been introduced along with several other enhancements to refine the overall experience.
- **User Experience Improvements:** Several enhancements including customizing the columns across all tables, increased color contrast for better accessibility, simplified navigation across tabs, and a variety of visual style improvements.
- **Replication Tag Inheritance:** DCT now offers API-based simplified tag management for parent/child replication deployments, optionally syncing source tags to a target replica.
- **Oracle and SQL Server Source Linking:** Linking sources for Oracle and SQL Server is now supported in the User Experience, along with creating bookmarks.
- **Terraform Provider:** A new Terraform resource facilitates creating and deleting Oracle dSources. This expands on the existing data source support with the provider.

Continuous Compliance

- **Password Vault Support for MariaDB/MySQL:** Supported password vault platforms may now be used to authenticate the connections to MariaDB and MySQL databases.
- **Extended Email Algorithm:** A new email algorithm has been introduced that allows for chaining existing algorithms to produce a combination of name and domain. For example, this will allow the chaining of existing first name, last name, and domain algorithms. This differs from the “Email Unique” algorithm in that the “Email Unique” algorithm aims to generate a unique email address with a string of characters rather than a standard human-readable name.
- **Masking User Experience Improvements:** The masking user experience overhaul continues with an update to the environment's ruleset page.
- **New Classifiers:** In Automated Sensitive Data Discovery, classifiers identify different data types. We've added new classifiers for gender, sexual orientation, house number, marital status, language, ethnicity, blood type, prescription drugs, companies, job titles, and departments.
- **New Secure Lookup Algorithms:** To pair with the new classifiers, we've added new Secure Lookup Algorithms for marital status, language, ethnicity, blood type, prescription drugs, job titles, and department.
- **SAP HANA:** The JDBC Driver version 2.18.13 for SAP HANA SP07 is now supported.

Continuous Data

- **NFS Encryption:** Using encryption over NFS between Continuous Data engines and the target and staging hosts is now supported. Please consult with your account team as to whether this is an appropriate fit for your needs.
- **MySQL on Linux:** Manual Ingestion has been renamed to Staging Push to standardize on Dephix's established ingestion architectures. Strengthened the refresh and snapshot workflow to minimize occasional failures. Please review the upgrade path for installation guidance.
- **Oracle E-Business Suite (EBS):** Updated our virtual database provisioning hooks to support the Solaris operating system. We recommend this release to all users as it contains various bugs and security fixes.
- **Couchbase:** We have added support to define multiple buckets, configure RAM sizes, and the ability to ingest multiple full backups. Additionally, the connector will now report data source sizing.
- **Microsoft SQL Server Backup:** We have enhanced the useability of data ingestion from Microsoft SQL Server on Azure by dynamically modifying the Access Control Lists (ACLs) for files and folders that different staging and target environment users own.
- **(Tentative) Documentation Updates:** We have made broad improvements across multiple areas of our documentation, including the Delphix Glossary, General Topics, and PostgreSQL.

Compliance Services for Salesforce

- **Resume Masking jobs:** DCS for Salesforce jobs can now be resumed in case of errors. Resuming only masks previously unmasked records and skips all masked ones.
- **Expanded Masking Job User Experience:** A new job details page includes masking progress information, masking record counts, a resume feature, metadata summary, and others.

Compliance Services for Azure

- **Data Flow Parameterization:** In collaboration with Microsoft, it is now easier to rapidly deploy masking across thousands of tables in a single Azure Data Factory (ADF) pipeline, letting users manage relevant metadata as parameters. We're releasing templates to expedite the deployment process for common data sources, starting with Snowflake.

November Product Version Releases

Product/Connector	Version	Release Date
SQL Server Backup Connector	v1.57	November 10, 2023
Couchbase Connector	v1.3.0	November 10, 2023
Oracle E-Business Suite (EBS) Connector	v4.4.0	November 15, 2023
Delphix Kubernetes Driver	v1.0.0	November 17, 2023
Terraform Provider for Delphix	v3.1.0	November 17, 2023
MySQL on Linux Connector	v4.3.0	November 21, 2023
Microsoft SQL Server Backup Connector	v1.5.7	November 21, 2023
Continuous Data	v17	November 21, 2023
Continuous Compliance	v17	November 21, 2023
Hyperscale Compliance	v15	November 28, 2023
Data Control Tower	v12	November 29, 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 →



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](#)

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