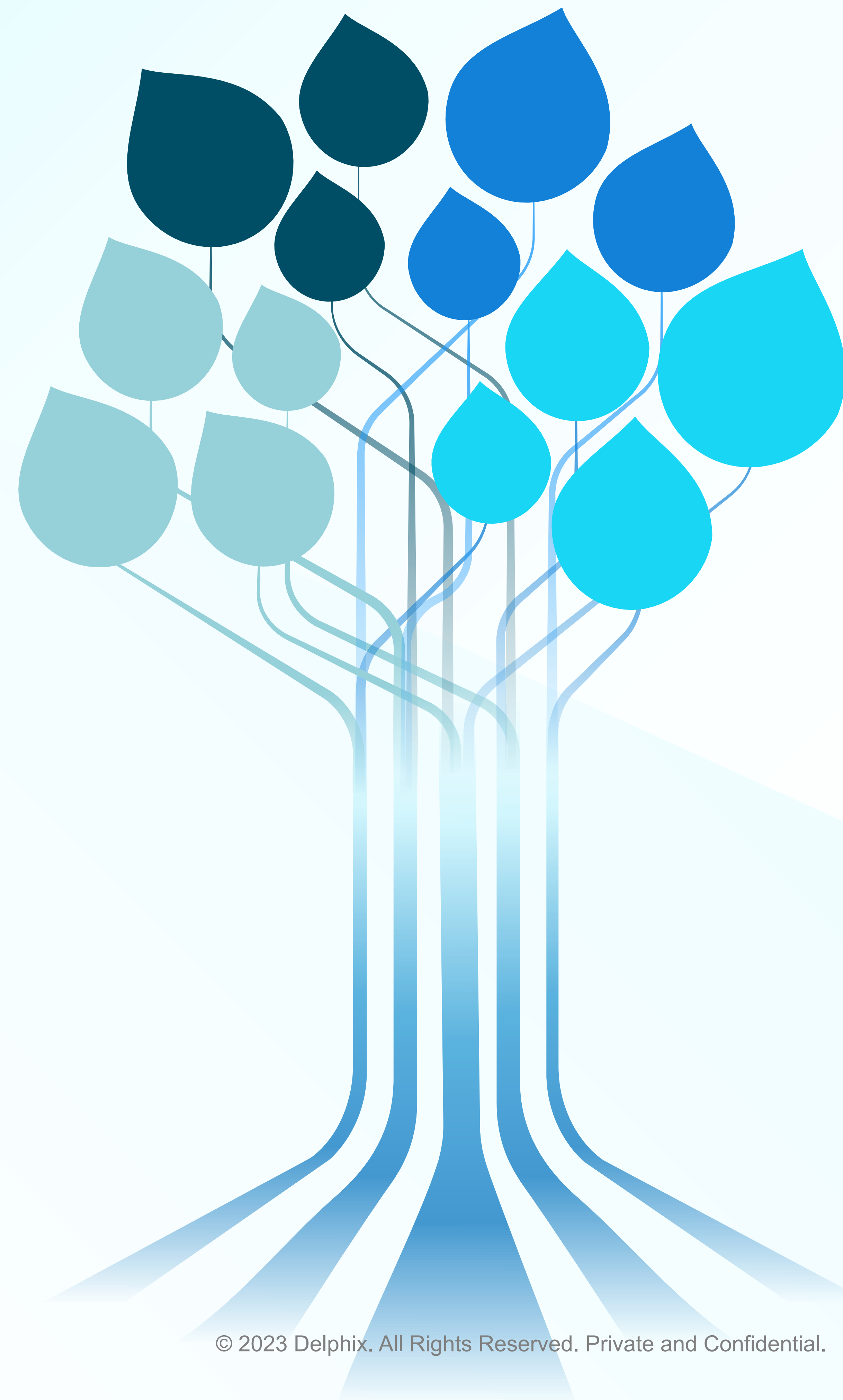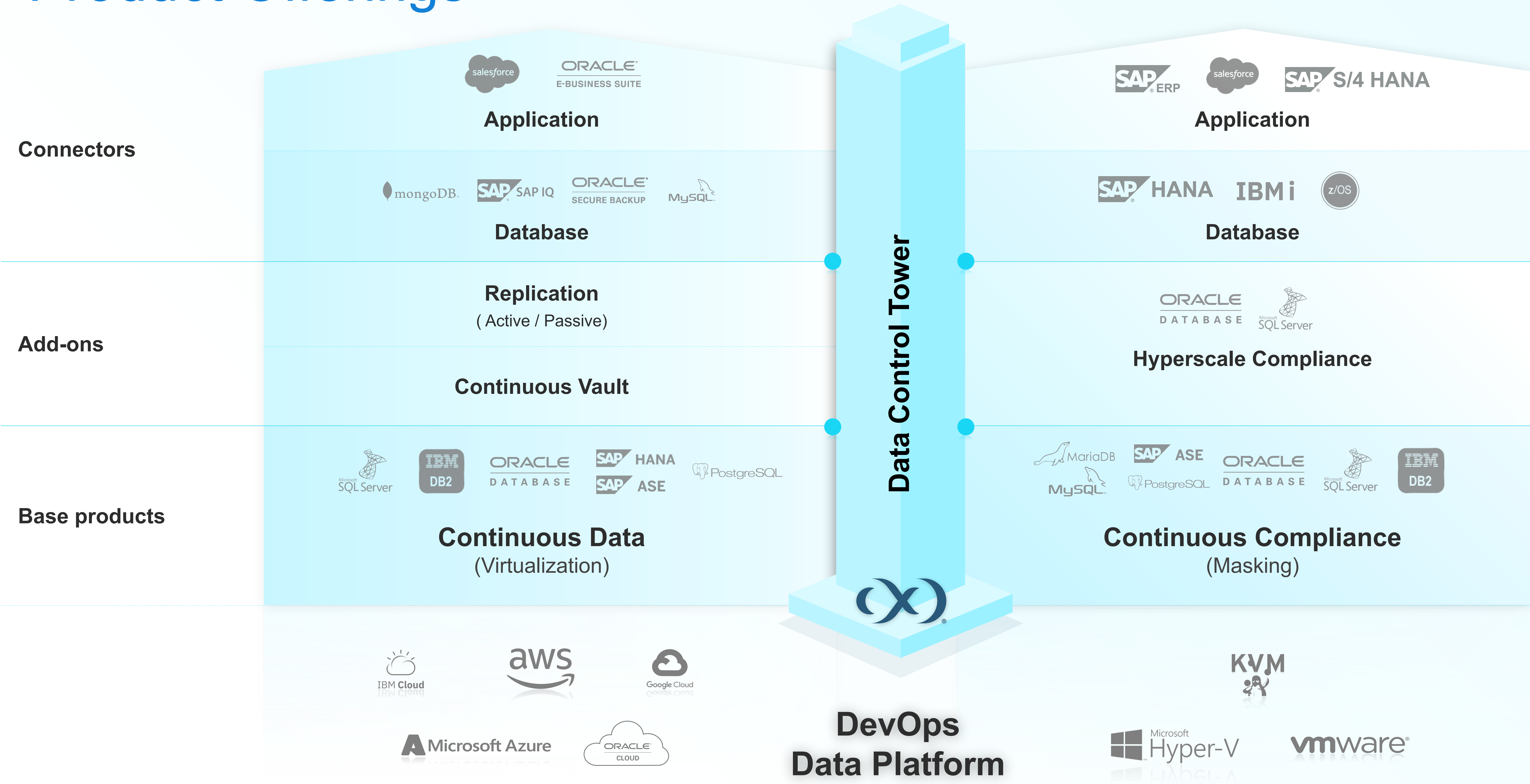# What's New

Delphix May 2023 Product Updates

Product Offerings

Data Control Tower

Data Control Tower 6.0 (April) & 7.0 (May)

- **Developer Experience - Self Service Workflows**
  - Provision VDB Wizard
  - Execute all VDB Operations including Refresh VDB Wizard
  - Historical and Active VDB Timelines with Bookmarks

- **Central Compliance Orchestration**
  - Job Distribution Architecture
  - Job Orchestration UI for Copy and Execute Workflows

- **Data Governance and Admin Workflows**
  - Global Bookmark Management
  - VDB Templates import
  - User Access Visibility
  - Infrastructure Connection Wizard

- **Integrations**
  - ServiceNow 4.1

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
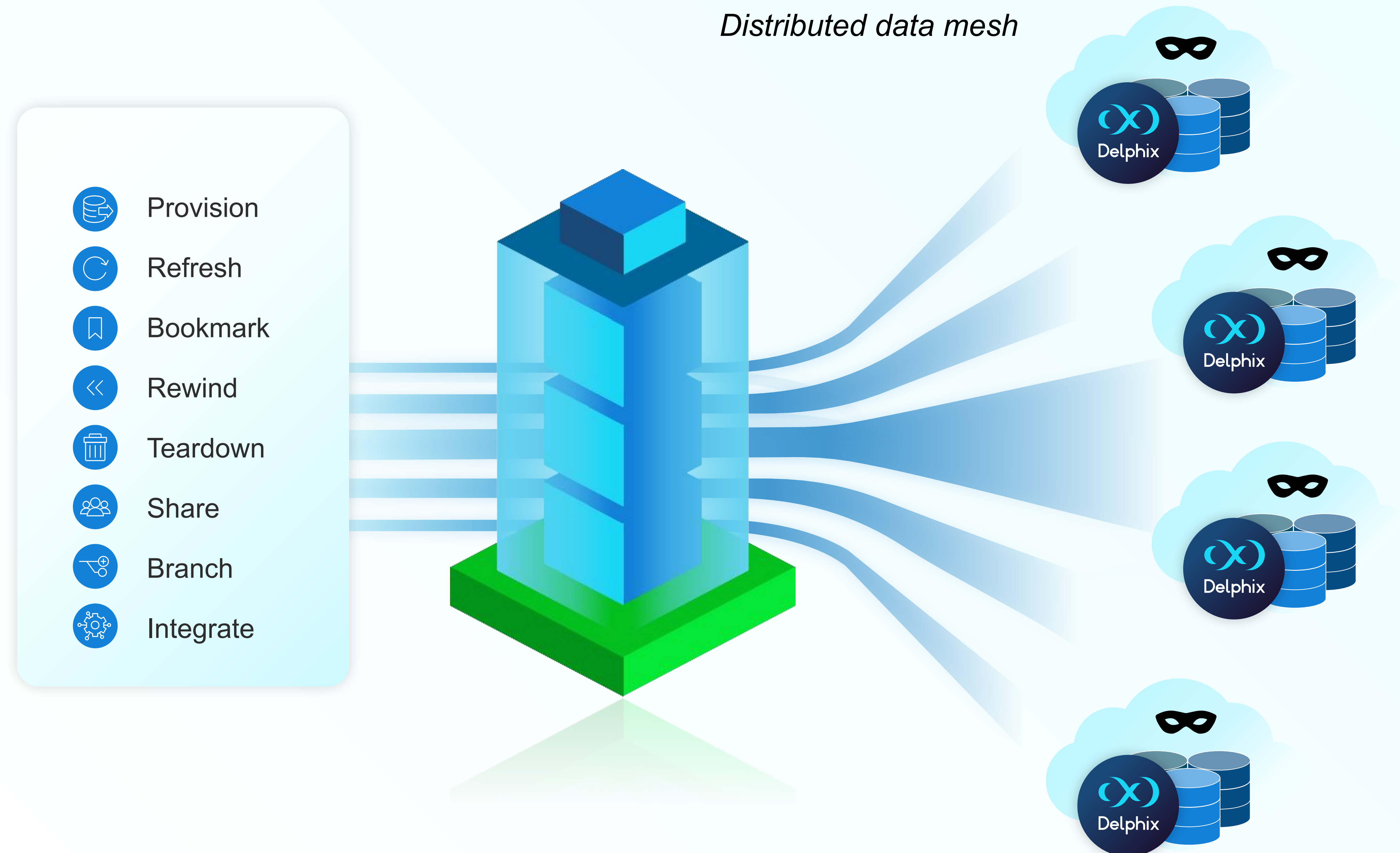
Data Compliance

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

Distributed data mesh

- Provision
- Refresh
- Bookmark
- Rewind
- Teardown
- Share
- Branch
- Integrate

Terraform servicenow Jenkins Jira
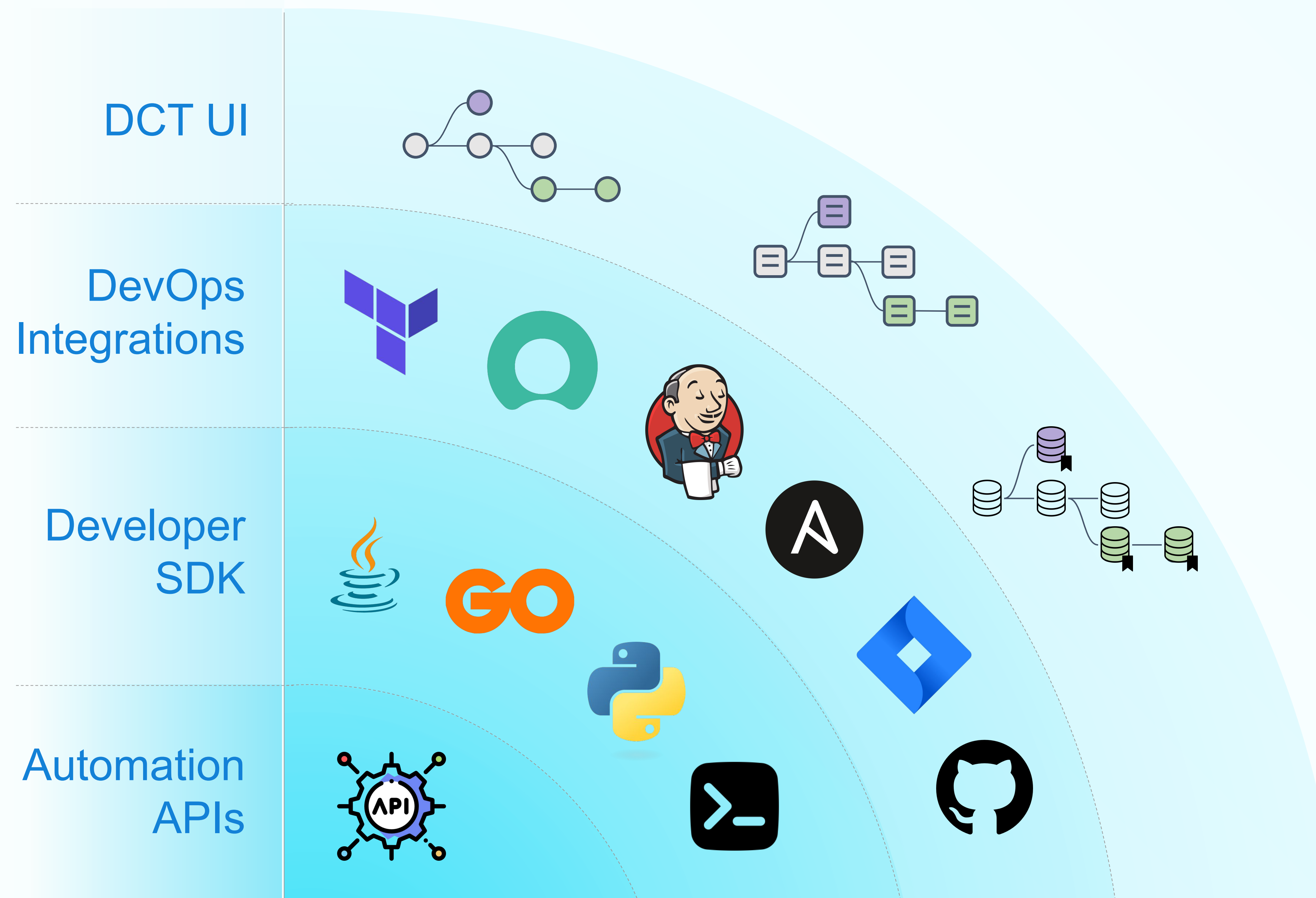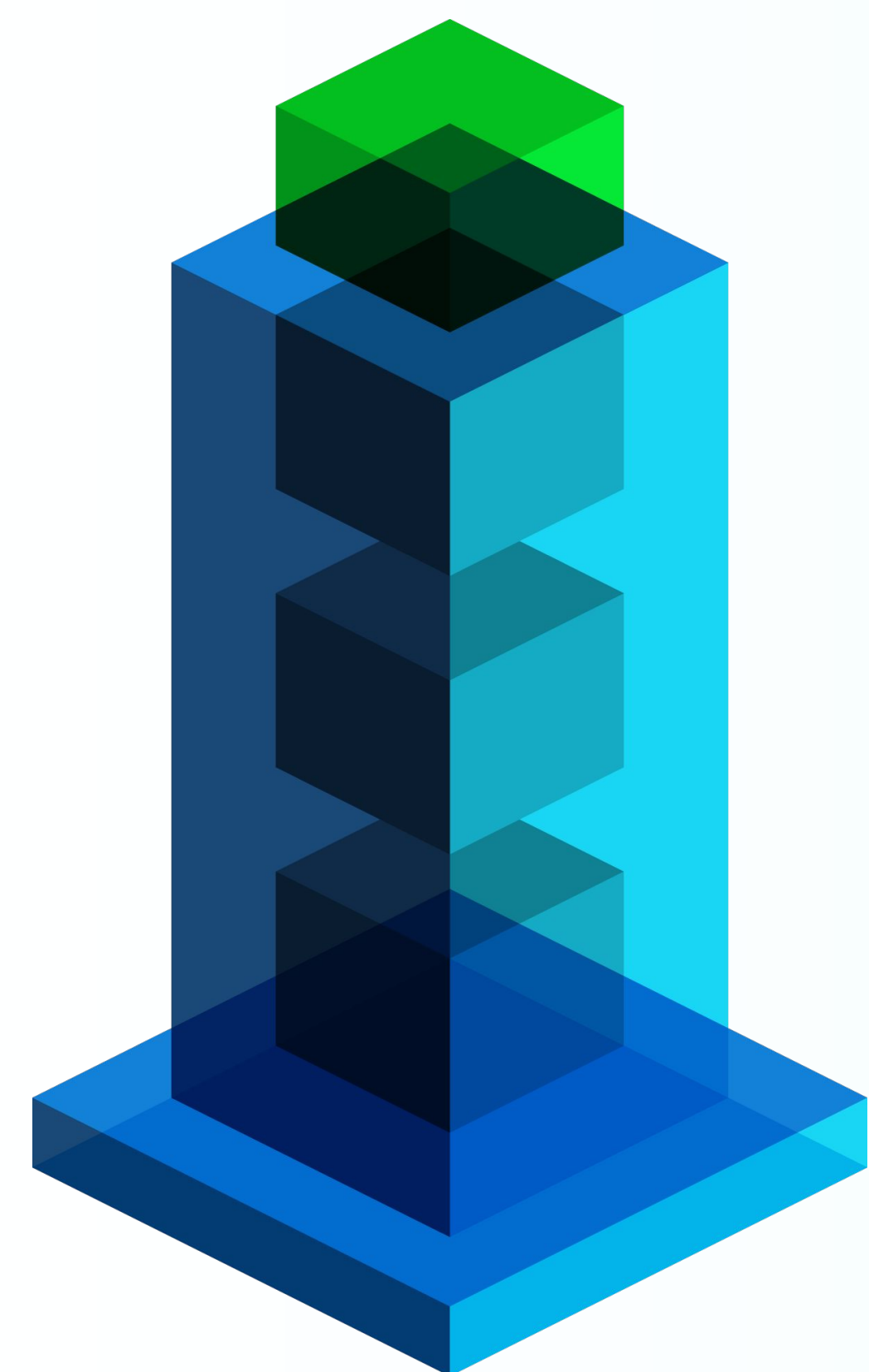
GitHub urban{code} GitLab

Introducing the DCT Developer Experience

Drive data automation in the developer's interface of choice

DCT UI

DevOps Integrations

Developer SDK

Automation APIs

- DCT v6.0 introduces a User Interface for Developers

- DCT now provides a unified developer experience across UI, APIs, and DevOps integrations

- Developers can quickly access compliant data from any connected Delphix engine

- DCT is now a successor to the Delphix Self Service offering

Provision VDBs via DCT UI

New in DCT 7

- Users with the appropriate permissions can now provision single-tenant Oracle databases from the UI

- Sources, environments, and snapshot policies can be configured across all connected engines

- Support for data sources beyond Oracle single-tenant will be added soon

Refresh VDBs via DCT UI

- DCT expands the concept of Refresh to simplify common VDB operations

- Refresh to **Parent** (normal refresh) pulls from the VDB provision parent

- **Self-refresh** (rewind/rollback) refreshes a VDB back to a point in its own history

- Refresh to **Relative** allows selection of data from either the origin dSource of the VDB or any VDB sharing the same origin dSource

- Refresh to **Bookmark** snapshot simply refreshes a VDB to a compatible bookmarked snapshot

VDB Templates

New in DCT 7

- A VDB config template contains database configuration parameters that can be reused over time

- Centrally view and manage all VDB configuration templates across all connected engines

- Create new templates

- Import existing templates from connected engine

- Remove imported VDB templates from connected engines

Infrastructure Connection Management

New in DCT 7

- Users can now manage infrastructure connections, which are the DCT equivalent of an Engine environment

- Existing environments are sourced from connected Continuous Data Engines and operations include enable, disable, refresh, edit, and delete

- A new Infrastructure wizard allows the user to quickly and consistently add UNIX environments

Delphix Spoke for ServiceNow

DevOps TDM Service Catalog

- Enable self-service workflows within the de facto enterprise standard

- Users can easily distribute and deploy compliant data to non-production environments
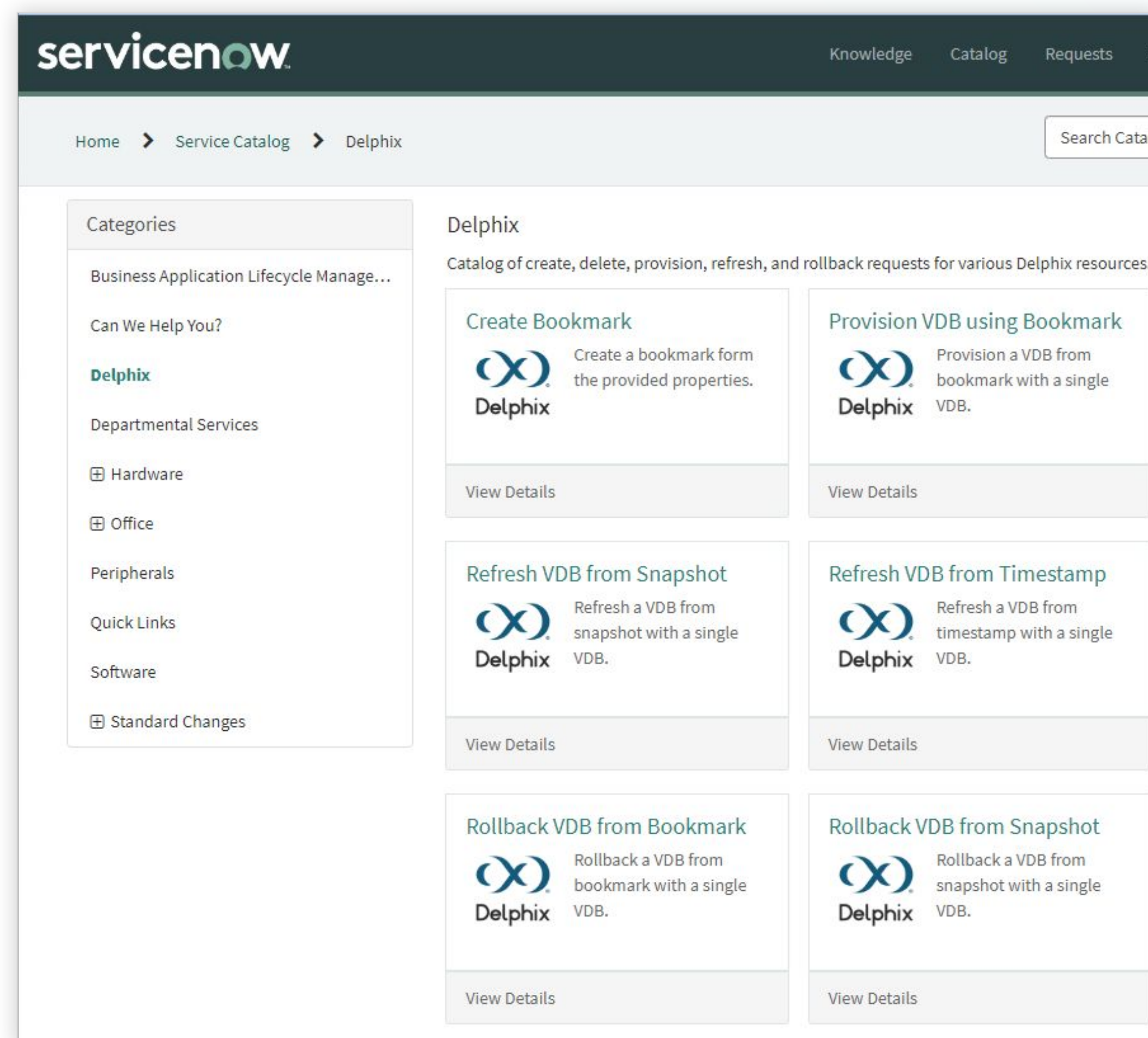
Build Repeatable Workflows

- Quickly leverage predefined templates with a low code designer to create data automation workflows

- 25+ common Delphix operations available out of the box
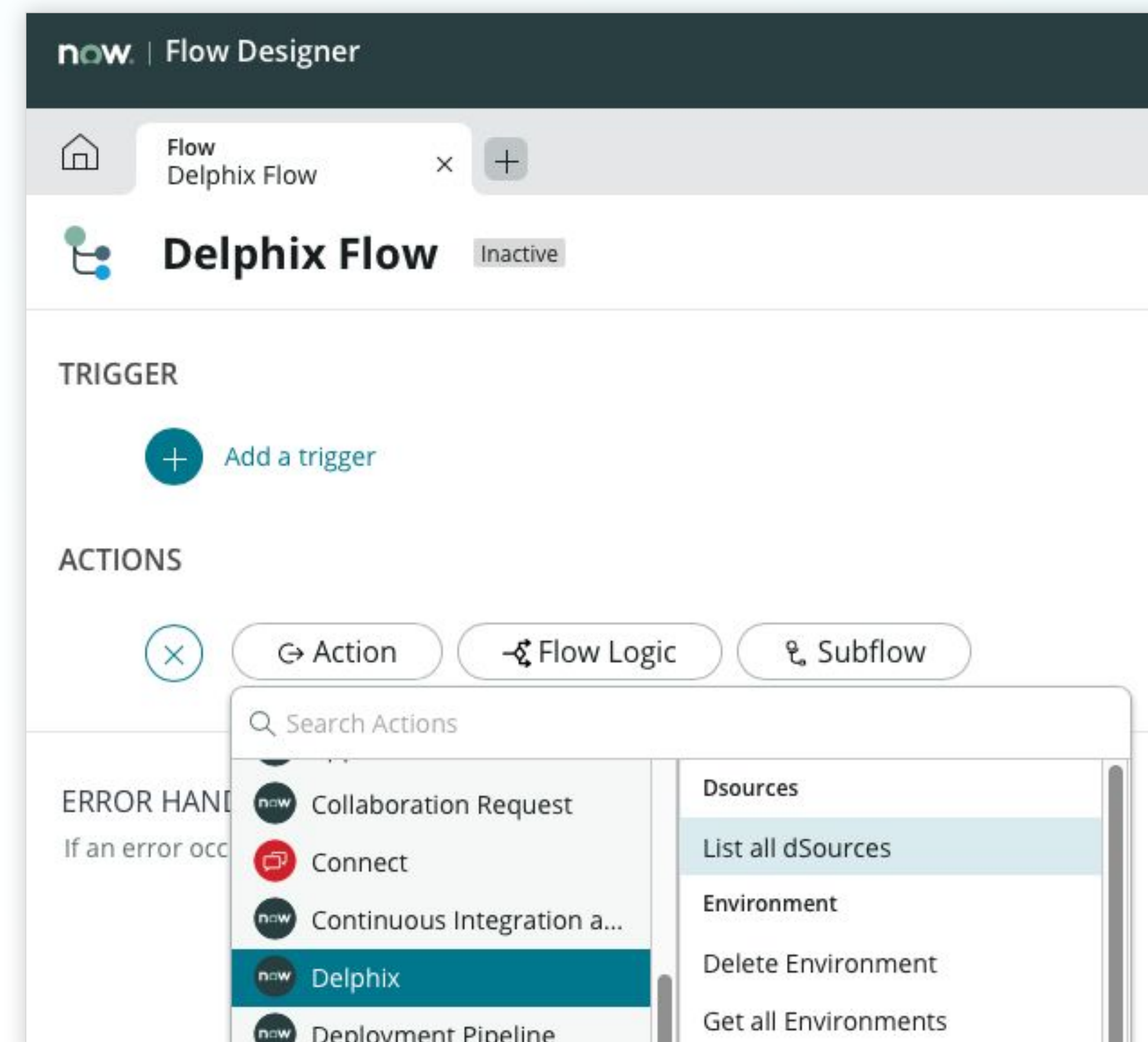
Available Now

- Available at no additional fee in the ServiceNow Store

- Requires entitlements to ServiceNow Integration Hub
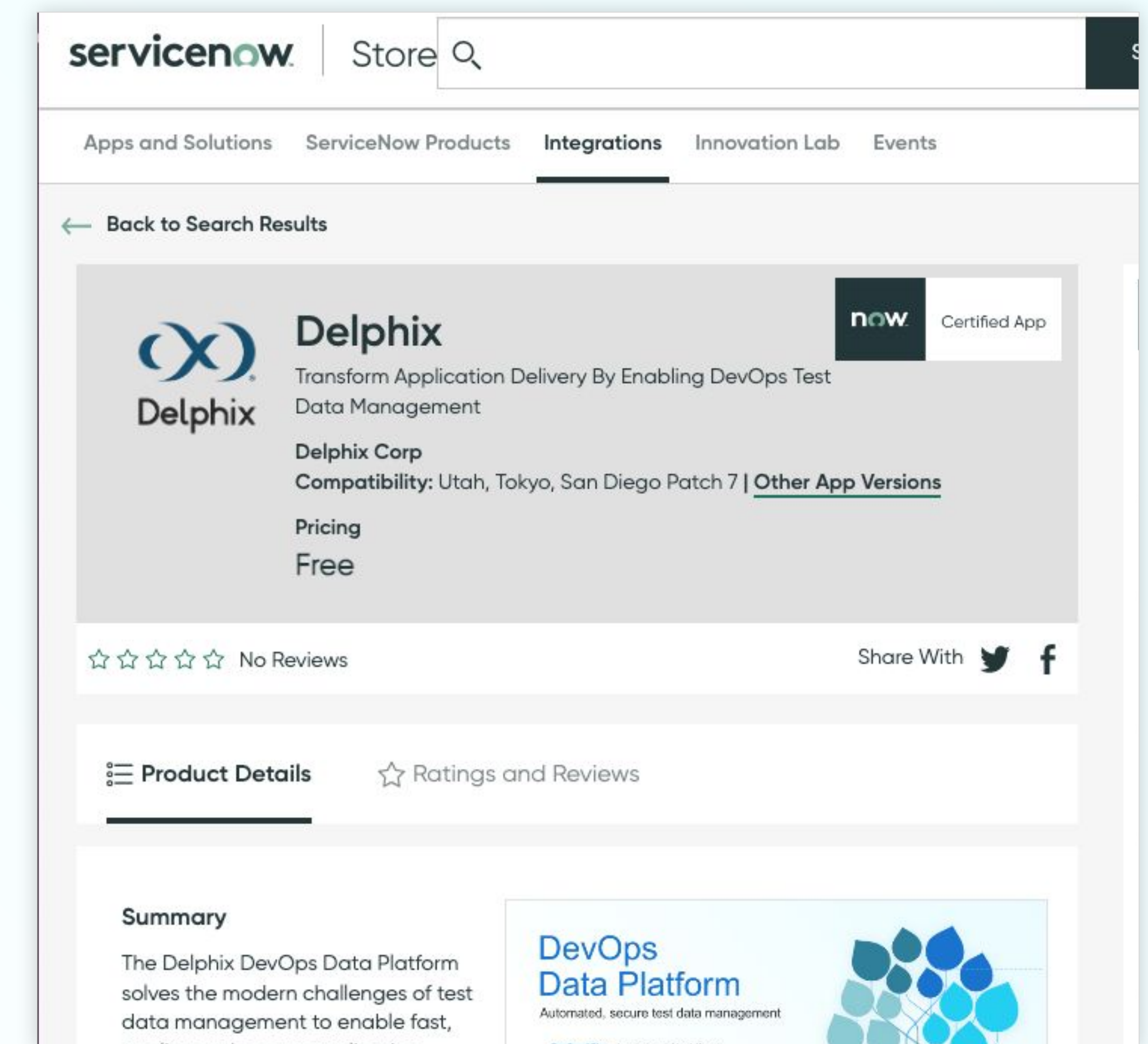
Continuous Compliance

New & Updated for May 2023

- **IBAN Discovery and Masking**

- **New US Driver's License Classifier**

- **Oracle Source Sizing**

- **New Features for the Postgres Connector**

- **User-Controlled Automated Sensitive Data Discovery (ASDD) Set Upgrade**

- **Hyperscale Compliance**

  - Performance and Usability Improvements

  - Kubernetes support

International Bank Account Numbers

- Compliance mask International Bank Account Numbers (IBAN) with algorithm passing values

- IBANs are masked within a country

- Produces unique fictitious IBAN values during the masking process

IBAN Algorithms

IBAN
MF84200410100505000013M02
LC55HEMM0001000100120012
BL68200410100505000013M02
SV62CENR00000000000000070
VG96VPVG0000012345678901

IBAN
MF9300762011623852
LC29NWBK6016133192
BL91ABNA0417164300
SV5811222000010123
VG4211773016111110

New Oracle sizing reporting

What's New

- Reports on the size of your Oracle DBs so you can track your usage

- Also available via API

- More DB sources to follow

User-Controlled, Automatic Sensitive Data Discovery Set Upgrade

Automatic Sensitive Data Discovery

Table: users

column_name:
    account_id
    first_name
    last_name
    phone
    address
    city
    state
    zipcode

Column: first_name

metadata:
    type:varchar
    length:512
    notnull:true

Column: first_name

data_sample:
    Bernard
    Maeve
    Elsie
    Theresa
    Armistice
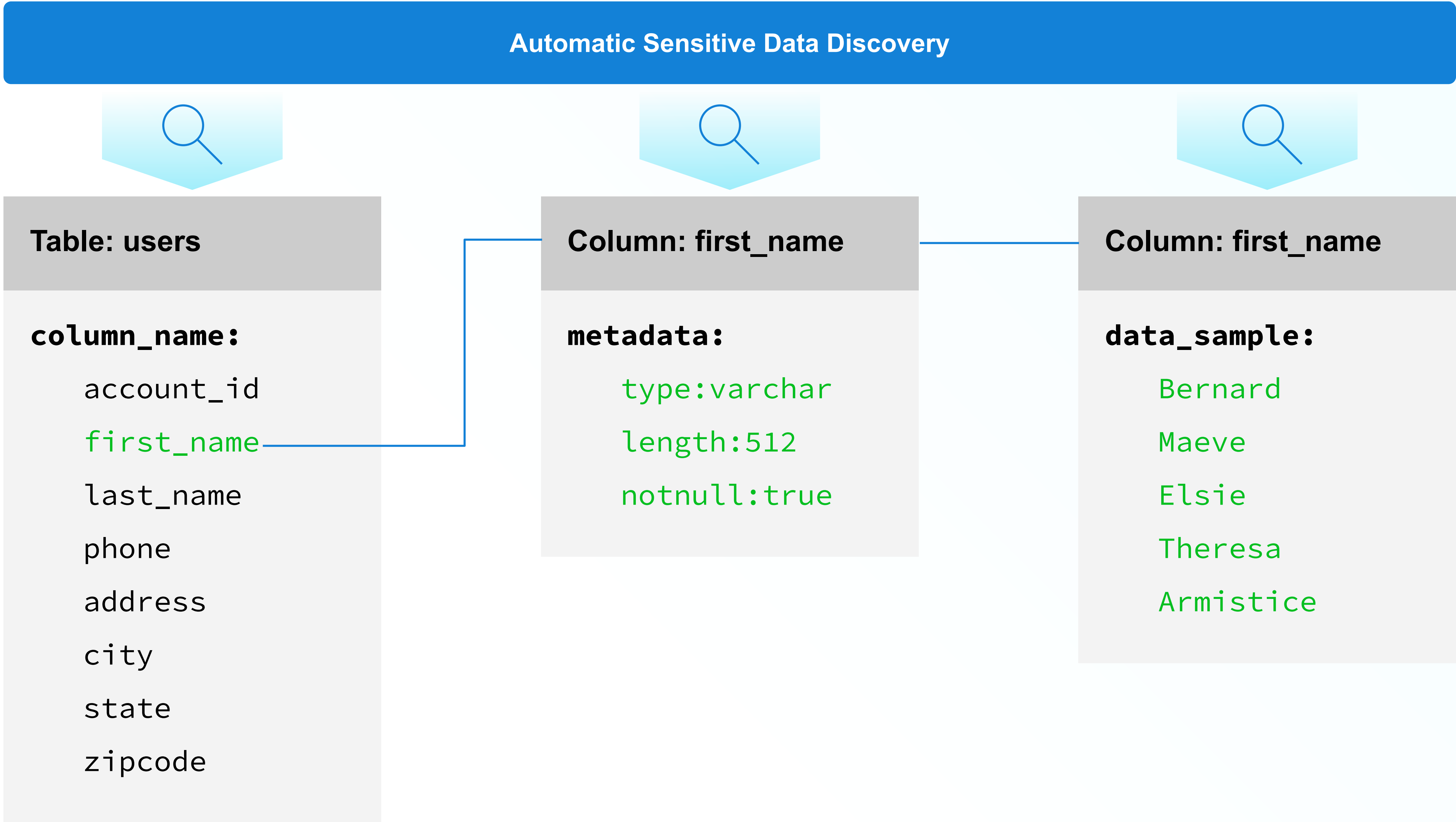
What's New

- With this release, we will begin shipping the standard ASDD discovery set independent of Continuous Compliance

- Use a new API endpoint to control when to adopt new ASDD discovery sets

Hyperscale Compliance: How It Works

10X Masking Speed for Massive Data Volumes: Datasets Over 10TB or 1B Rows

Hyperscale Orchestrator

Data Source
(unmasked)

Unload
and Split

Masking Worker

Masking Worker

Parallel Masking

Masking Worker

Masking Worker

Reassemble
and Load

Masked Data
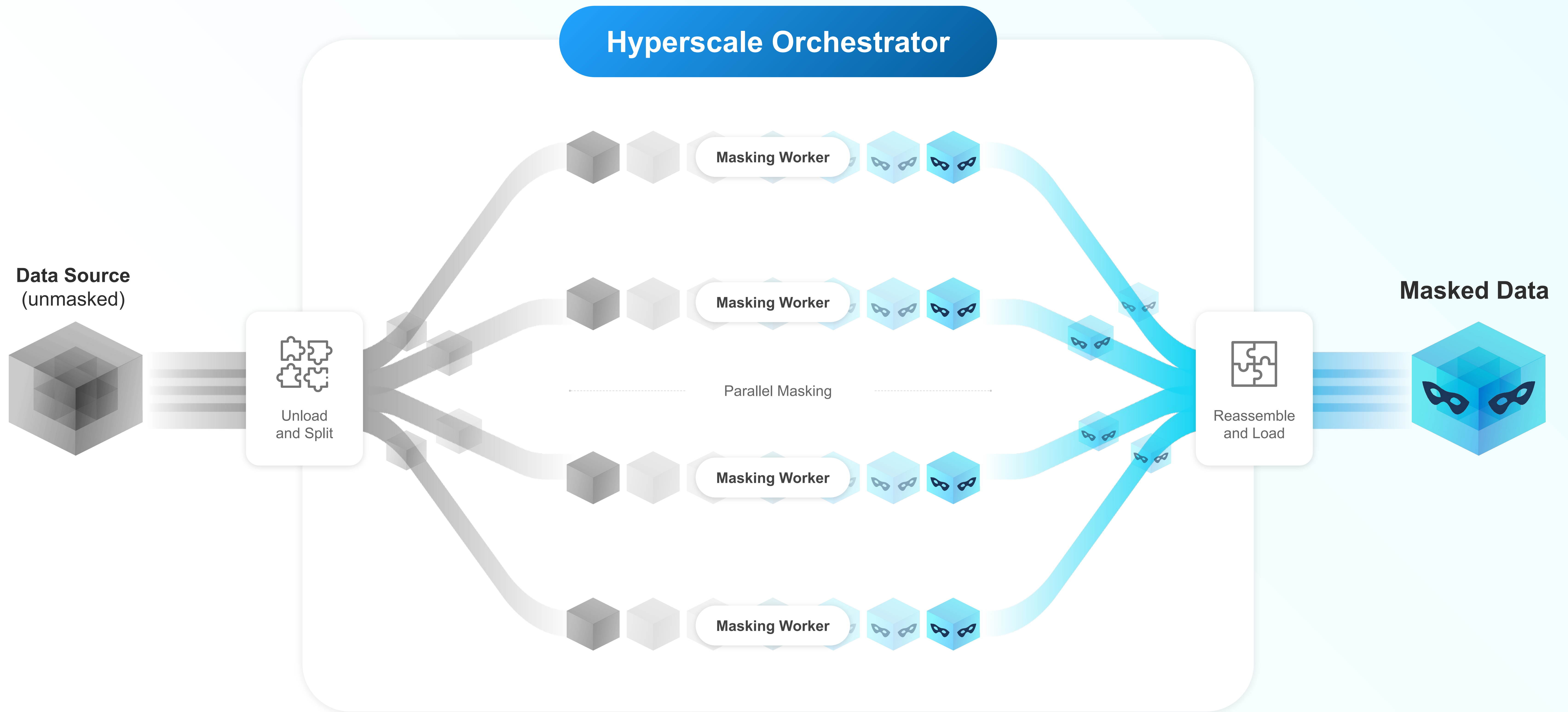
Continuous Data

New & Updated for May 2023

- **Oracle Staging Push with Read-Only Databases:** Supports Staging Push ingestion from Oracle Read-Only databases on the staging location. This allows you to guarantee no changes are made to the staging database.

- **Subsetting via Oracle Staging Push:** Supports the ability to ingest selected Oracle tablespaces with Staging Push. This feature allows you to subset the Oracle database by choosing specific tablespaces for ingestion.

Staging Push for Oracle

New in 11

Production Environment

Oracle Production DB

- Backup/Replica
- Data Guard
- Active Data Guard

Oracle Staging DB
Standby Data Guard

Staging Push

Downstream Non-production Environments

dSource

Deploy/Refresh

VDB
Oracle
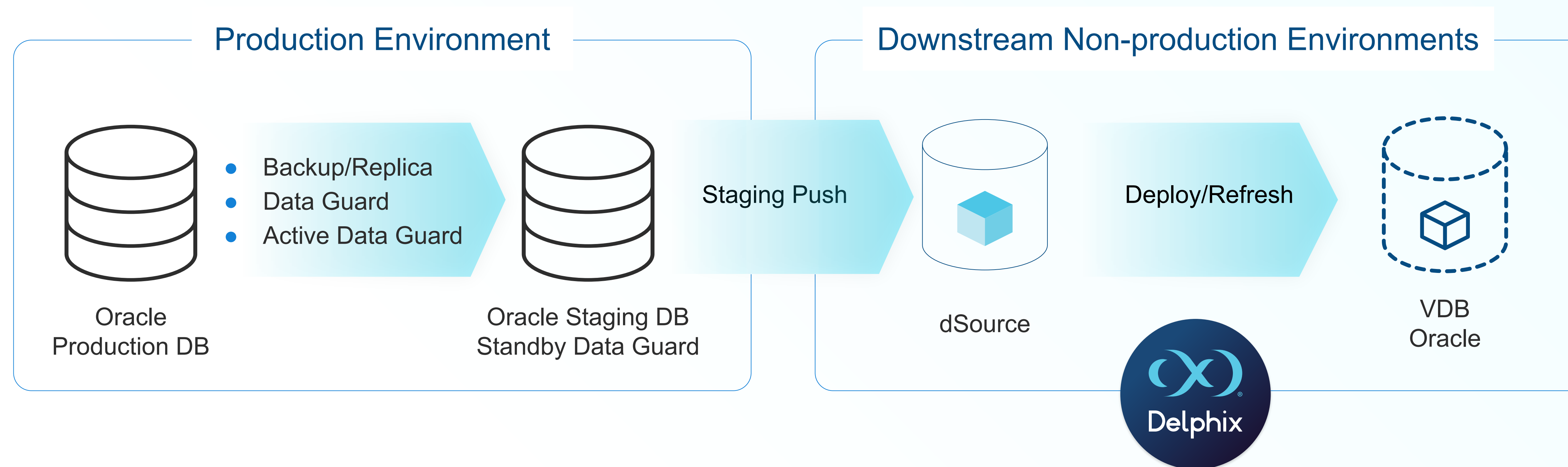
Delphix

- Push new data to the Delphix DevOps Data Platform instead of requesting data on a polling interval.

- Isolate ingest to Delphix from production instances.

- Ability to leverage 3rd party backup applications.

- Fully tested integration with Oracle Data Guard and Active Data Guard allows for staging DB to be the standby DB, enabling tight point-in-time snapshots.

- Staging push is also available for Db2 and MS SQL Server.

Multi-Cloud Applications

New & Updated in May 2023

- DCS for Salesforce

- DCS for Azure

Delphix Compliance Services for Salesforce
Quickly Provision Compliant Salesforce Sandboxes

Updated in May '23

Large Table Masking
- Masking of large Salesforce Objects (Larger than 70 million records).
- Leveraging optimized API selection and driver configurations.

Configurable Metadata Components
- Option to select which metadata components to disable as part of masking, allowing users to customize their sandbox metadata while masking.

Custom Filters
- Option to add Salesforce Object Query Language (SOQL) filters to masking jobs.
- This enables users to partition large tables into smaller masking jobs.

Configuration

Masking Table Filters
Provide valid Salesforce Object Query Language (SOQL) WHERE clauses for any table in this job. Only records that meet these filters will be masked.

Example: an "id > 50 and id <= 100" Where clause applied to the "Account" table would only mask rows with ids between 51 to 100, inclusive.

Table
Account

Filter Condition
CreatedDate >= '2022-01-01T00:00:00.000Z' and SystemModstamp < '2023-04-07T00:00:00.000Z'

Table
Contact

Filter Condition
CreatedDate >= '2018-03-31T12:00:00.000Z' and CreatedDate < '2018-04-01T00:00:00.000Z'

Salesforce Metadata

By default, Delphix will disable some metadata components on the sandbox while masking and enable them again when the job completes. Specify which metadata components to disable below.

Reset Defaults   Select All   Clear All

- ☑ Duplicate Rules
- ☑ Feeds
- ☑ Field History
- ☐ Global Picklist
- ☐ Lookup Filter
- ☑ Matching Rules
- ☐ Picklist

- ☑ Process Builders
- ☐ Required
- ☑ Triggers
- ☐ Unique
- ☑ Validation Rules
- ☑ Workflows

Select which tables to disable the selected metadata components on.

- ◯ Disable on all tables
- ◉ Disable only on masked tables
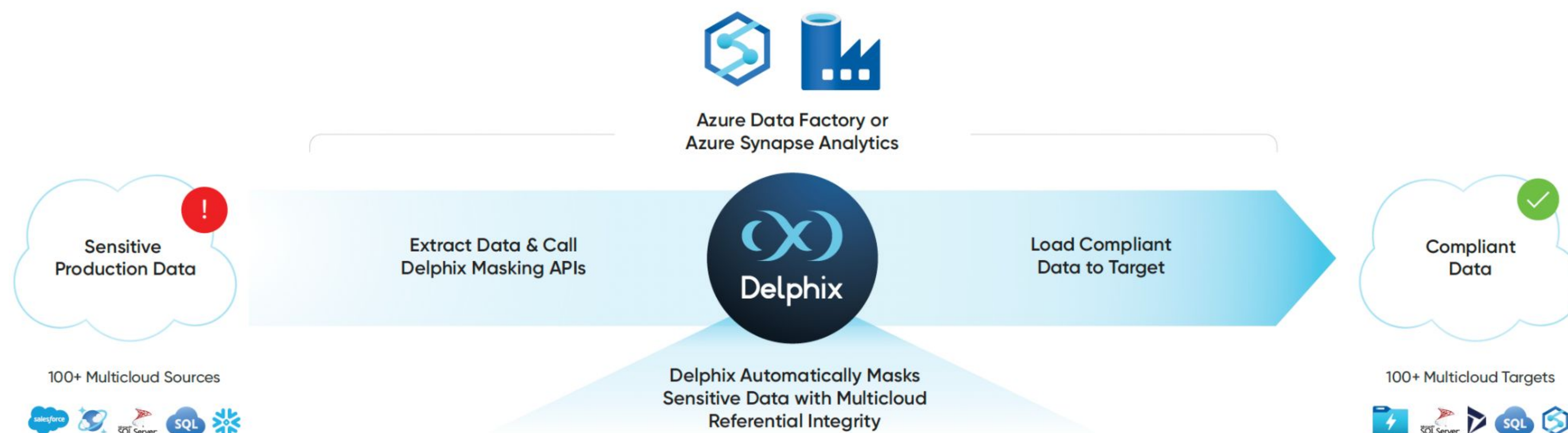
Delphix Compliance Services for Azure
Automate Data Compliance within Azure ETL Workflows

> In collaborating with Microsoft to bring our multi-cloud data masking solution to the Microsoft Intelligent Data Platform, Delphix is proud to deliver a comprehensive way to de-risk the cloud while accelerating the path from data to transformation.
>
> *Jedidiah Yueh, Delphix Founder and CEO*

GET STARTED NOW

- Free preview sign up

- Azure Marketplace (coming soon)

Azure Data Factory or Azure Synapse Analytics

Sensitive Production Data

Extract Data & Call Delphix Masking APIs

Delphix

Load Compliant Data to Target

Compliant Data

100+ Multicloud Sources

Delphix Automatically Masks Sensitive Data with Multicloud Referential Integrity

100+ Multicloud Targets

Data compliance and security

Mask data governed by laws such as GDPR and CCPA

Frictionless data

Automate compliance to eliminate data flow bottlenecks

Quality data for analytics

Use real, masked data for testing and analysis.

Updated Connectors

Connector	Version
MongoDB	v1.2.0
PostgreSQL	v4.0.0
MySQL on Linux	v4.0.0

- **MongoDB:** Supports MongoDB Enterprise 6.0 and Mongo Atlas including cluster-to-cluster sync to enable ingestion of large, sharded databases.

- **PostgreSQL:** Supports point-in-time (PIT) provisioning using external logs and ingestion using the "pg_dumpall" utility.

- **MySQL/Linux:** Supports MySQL v8 across all certified editions.

Recent Updates

Mar '23	Apr '23	May '23
Continuous Data (Virtualization) • Export an Oracle VDB or a VPDB to a Physical Oracle ASM or Exadata Database • Auto Config Inheritance for MS SQL VDBs **Continuous Compliance (Masking)** • Hyperscale Compliance 6 • Automated Sensitive Data Discovery Classifier Additions • Profiler UI with Classifiers **Multicloud Applications** • DCS for Azure: ruleset filtering, serial masking, package management • DCS for Azure Beta	**Continuous Data (Virtualization)** • Azure Key Vault Integration **Continuous Compliance (Masking)** • Hyperscale Compliance Support for MongoDB and improved performance • More Automated Sensitive Data Discovery Classifiers • Classifiers User Interface • Enhanced DocumentType support including JSON and XML • Password Vault support for Hashicorp Vault • CData License Upload • ESXi Version End Of Life **Data Control Tower (DCT) 6** • Developer Experience User Interface • DCT Bookmark UI • Compliance Job Orchestration User Interface • ServiceNow	**Continuous Data (Virtualization)** • Oracle Staging Push with Read-Only Databases • Subsetting via Oracle Staging Push **Continuous Compliance (Masking)** • IBAN Discovery and Masking • New US Driver's License Classifier • Oracle Source Sizing • New Features for the Postgres Connector • User-controlled Automated Sensitive Data Discovery (ASDD) Set Upgrade **Data Control Tower (DCT) 7** • Provision VDB User Interface • Refresh VDB User Interface • VDB Template Import • Infrastructure Connection Management • ServiceNow Integration • Terraform Integration