Delphix

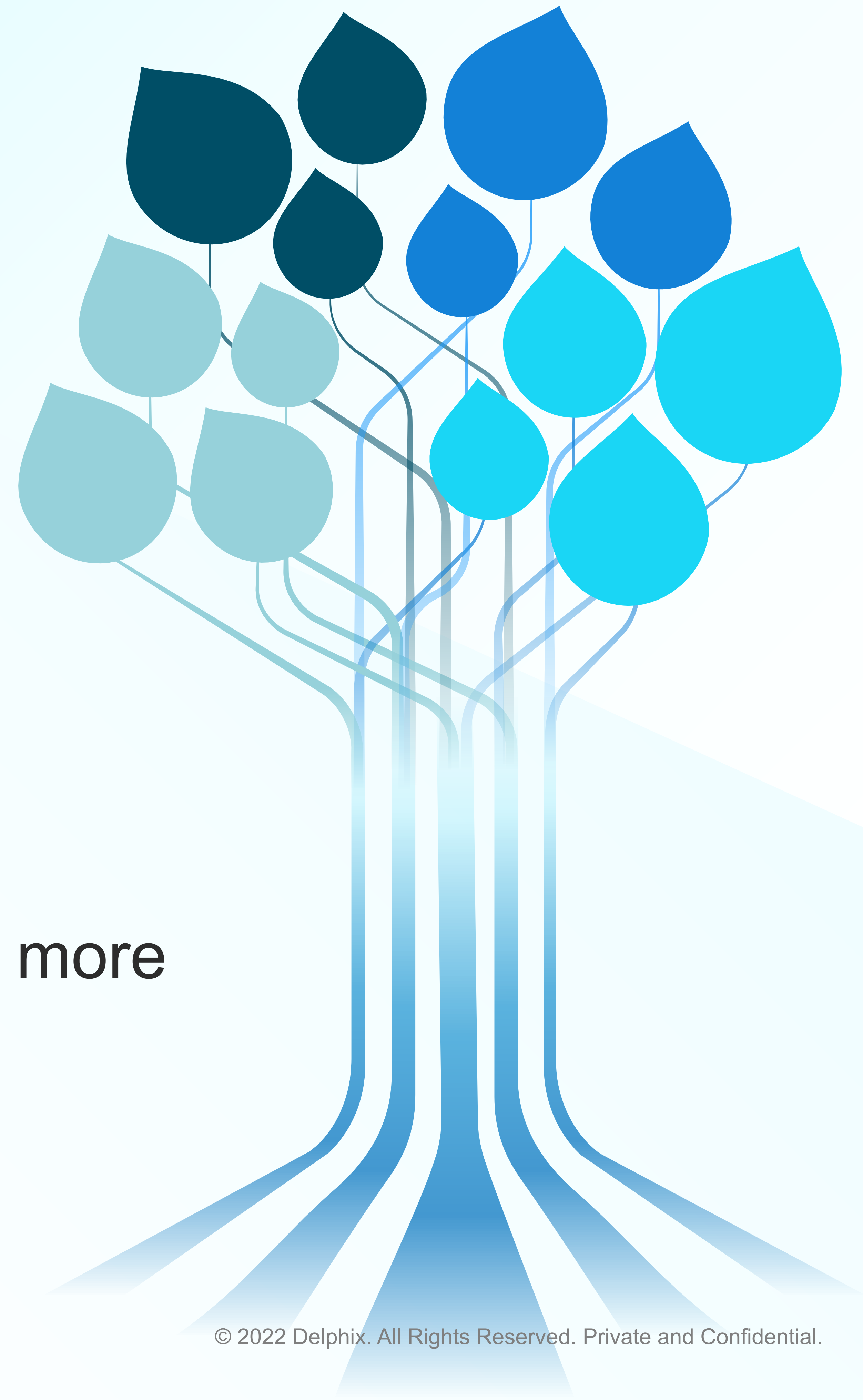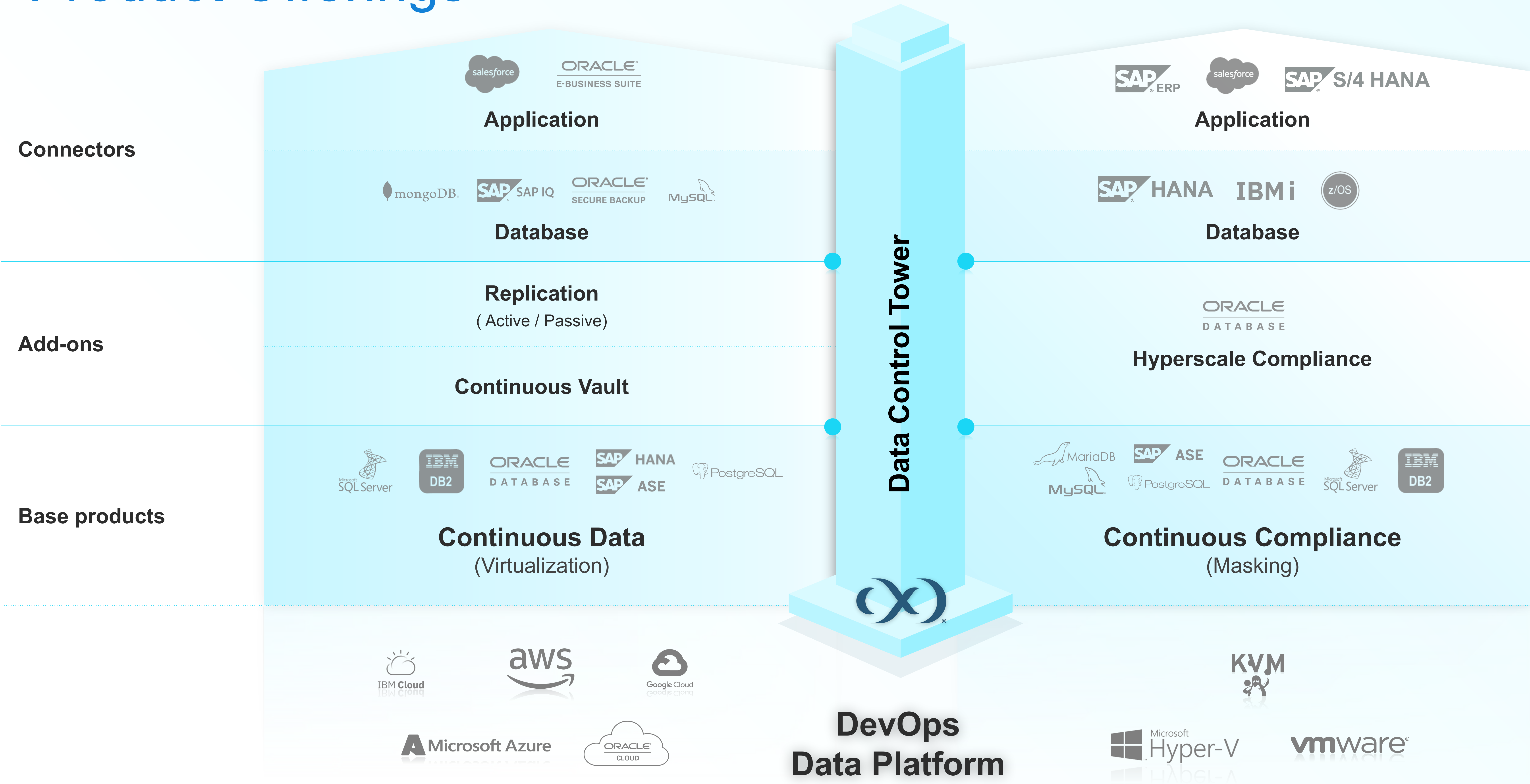# What's New

New Features in October & November 2022

Continuous Data & Compliance 6.0.17, DCT 2.2, and more

Product Offerings

Connectors

Application

salesforce   ORACLE E-BUSINESS SUITE

mongoDB   SAP SAP IQ   ORACLE SECURE BACKUP   MySQL

Database

SAP ERP   salesforce   SAP S/4 HANA

Application

SAP HANA   IBM i   z/OS

Database

Add-ons

Replication
(Active / Passive)

Continuous Vault

ORACLE DATABASE

Hyperscale Compliance

Data Control Tower

Base products

Microsoft SQL Server   IBM DB2   ORACLE DATABASE   SAP HANA   SAP ASE   PostgreSQL

Continuous Data
(Virtualization)

MariaDB   SAP ASE   ORACLE DATABASE   Microsoft SQL Server   IBM DB2
MySQL   PostgreSQL

Continuous Compliance
(Masking)

IBM Cloud   aws   Google Cloud

Microsoft Azure   ORACLE CLOUD

**DevOps
Data Platform**

KVM

Microsoft Hyper-V   vmware

Release Changes

We are making changes to **Continuous Data** (Virtualization) and **Continuous Compliance** (Masking) releases in 2023.

1. Engine releases after 6.0.17 will increment as 7.0, 8.0, 9.0, and so on. This is to reflect that every release goes through the same quality testing and regression cycle.

2. Later in 2023, we will begin monthly releases of Continuous Data and Continuous Compliance engines instead of bi-monthly.
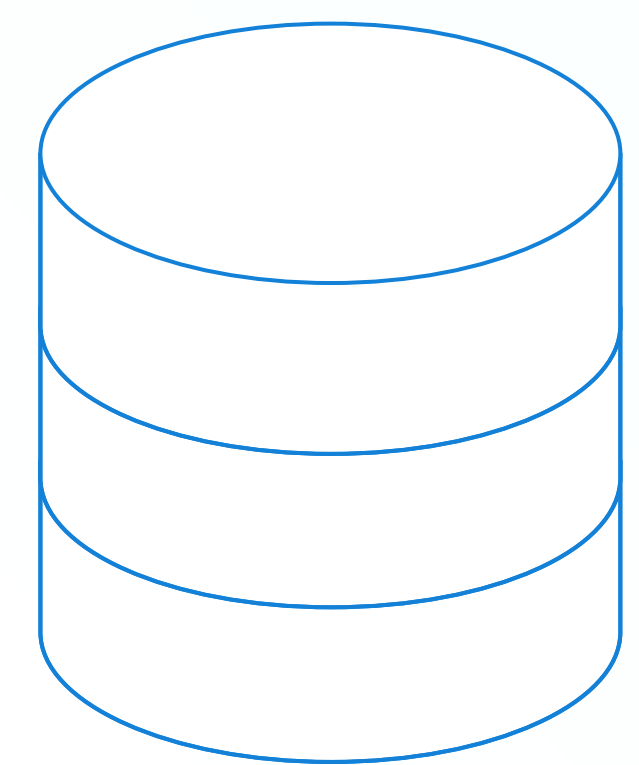
Jul	Aug	Sep	Oct	Nov	Dec	Jan		
6.0.15		6.0.16		6.0.17		7.0	8.0	9.0
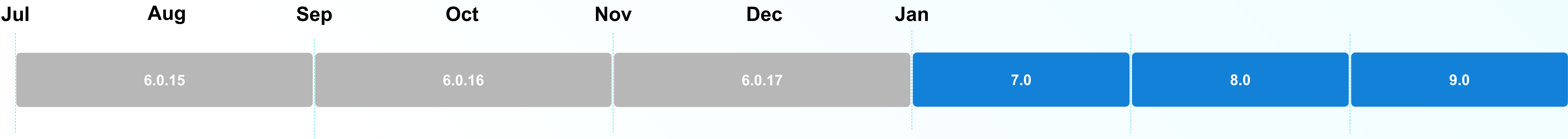
Continuous Data

New & Updated for November 2022

- Source Sizing for Postgres and IBM Db2

- Environment Variables in Hooks

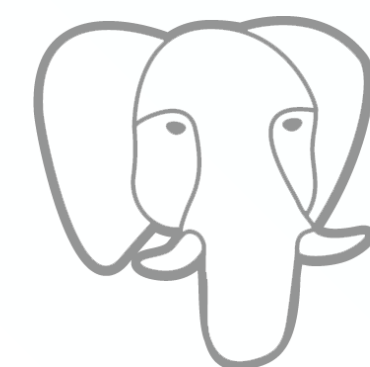# Postgres & IBM Db2 Source Sizes

New in 6.0.17

Data Source

Data Source
Size Info

Delphix
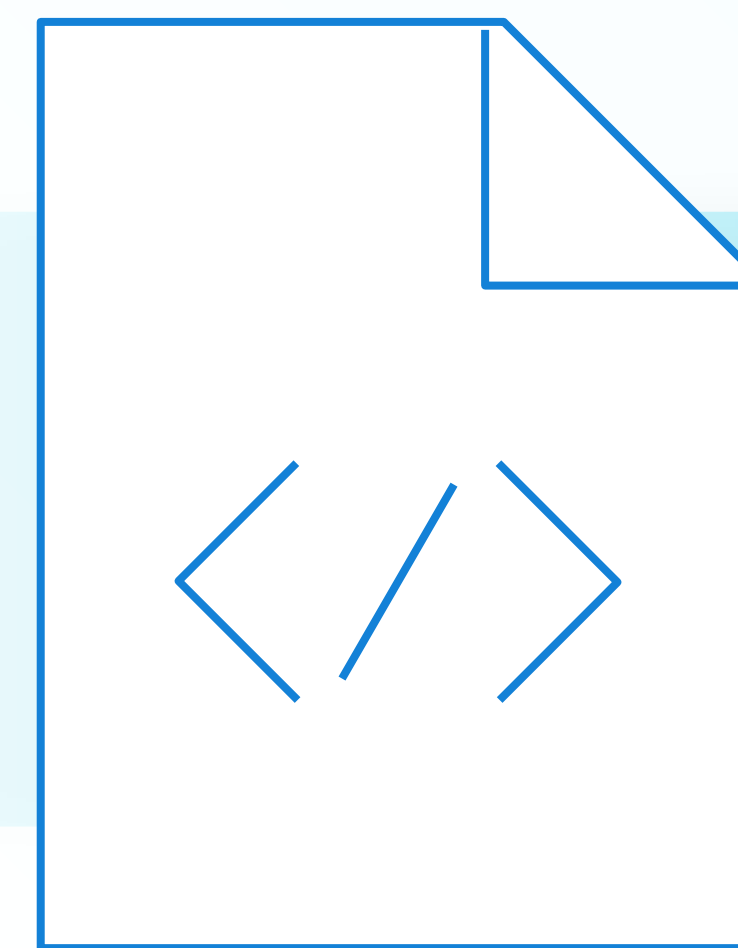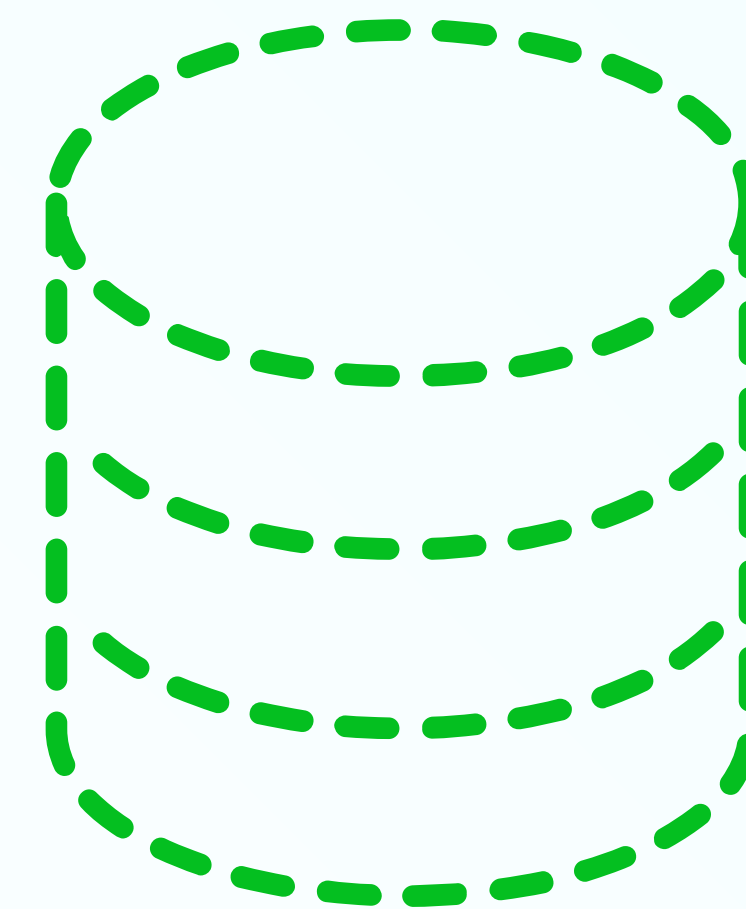
- Improved visibility for data source ingest management

- Improved ingest management and metrics with data source size information logs

- Easily view source volume sizes through engine APIs and integrate with automation scripts

New in 6.0.17

Existing

ORACLE
DATABASE

Microsoft
SQL Server

SAP ASE

Hook Script Environment Variables

New in 6.0.17

- Customize data deployments with hook scripts using environment variables

- Run automated hook scripts during pre-deploy & post-deploy

- Access environment variables defined by plugin connectors in DLPX_DATA_DIRECTORY

Hook Script

VDB

Continuous Compliance

New & Updated for November 2022

- JSON Field Masking

- XML Field Masking

- Microsoft Intelligent Data Platform Integration (Azure Data Factory and Azure Synapse pipelines)

- Containerized Masking

- Hyperscale Compliance Masking Job Sync

JSON Field Masking

New in 6.0.17

JSON Input

```
{
   "data": [{
      "Name": "Layla",
      "State": "NM",
      "City": Albuquerque",
      "Phone": "505-867-5309"
   }],
   "Context":[{
      "Created": "1995-11-22",
      "Updated": "2022-03-17",
   }]
}
```

Masking Job

JSON Output

```
{
   "data": [{
      "Name": "Katherine",
      "State": "NM",
      "City": Albuquerque",
      "Phone": "404-555-2368"
   }],
   "Context":[{
      "Created": "1995-11-22",
      "Updated": "2022-03-17"
   }]
}
```

- Mask JSON objects nested in database string/text fields
- Maintain continuous compliance for semi-structured JSON data in non-prod environments
- Leverage the Delphix masking library or customize algorithms to meet required data schema

XML Field Masking

New in 6.0.17

XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Customer>
  <Name>Julie Lawry</Name>
  <City>New Vegas</City>
  <State>NV</State>
  <Phone>877-880-0880</Phone>
</Customer>
```

Mask

XML Output
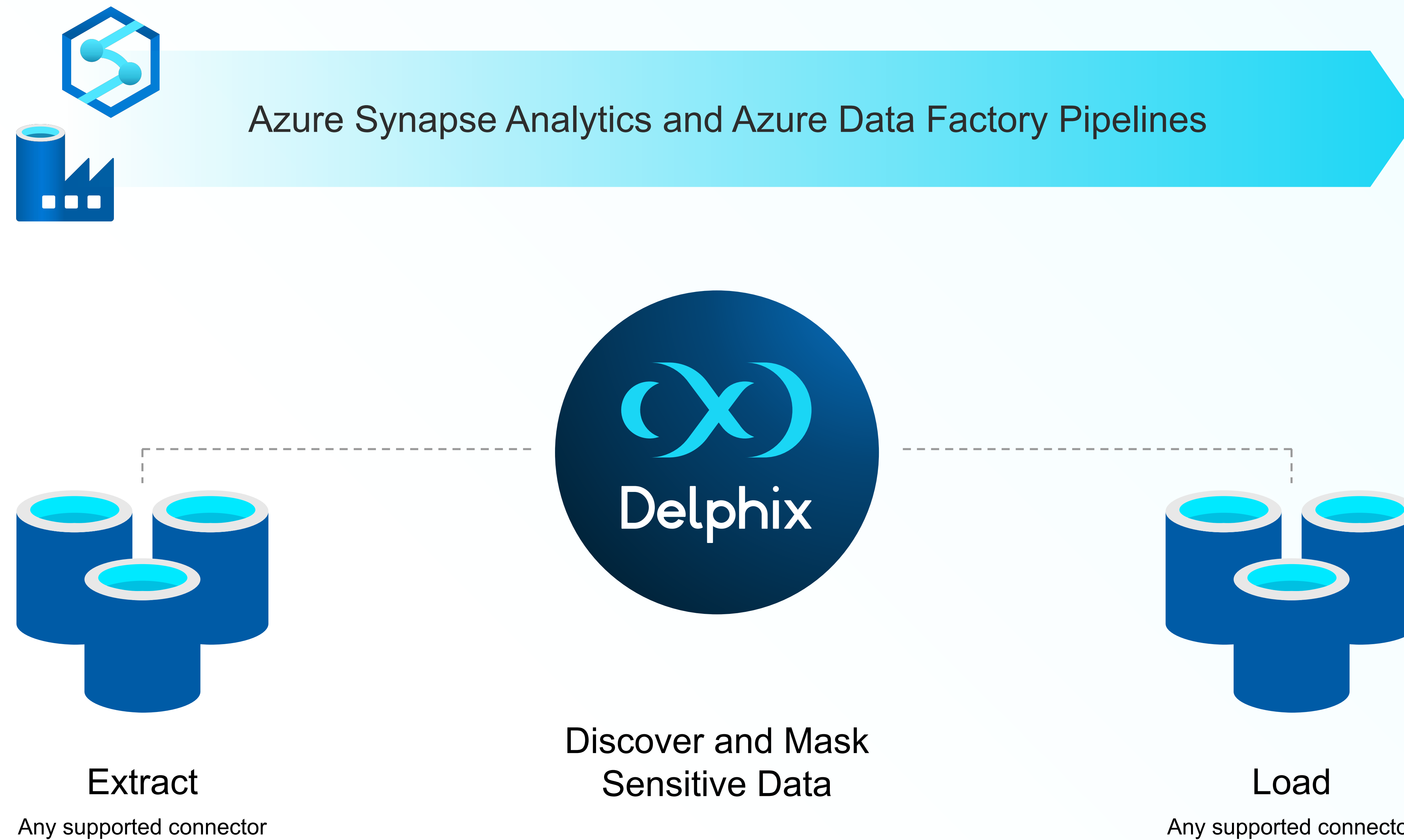
```
<?xml version="1.0" encoding="UTF-8"?>
<Customer>
  <Name>Nadine Cross</Name>
  <City>New Vegas</City>
  <State>NV</State>
  <Phone>702-698-7000</Phone>
</Customer>
```

- Mask XML objects nested in database string/text fields

- Maintain continuous compliance for semi-structured XML data in non-prod environments

- Leverage the Delphix masking library or customize algorithms to meet required data schema

Microsoft Intelligent Data Platform

New in 6.0.17

Azure Synapse Analytics and Azure Data Factory Pipelines

Discover and Mask
Sensitive Data

Extract

Any supported connector

Load

Any supported connector

- Accelerate data compliance using Microsoft Intelligent Data Platform's ETL tools with Delphix Continuous Compliance

- Quickly mask data while moving between 100+ Azure Synapse Analytics and Azure Data Factory connections

- Quickly identify sensitive data in ETL pipelines and mask using Delphix algorithms

Continuous Compliance Container Image
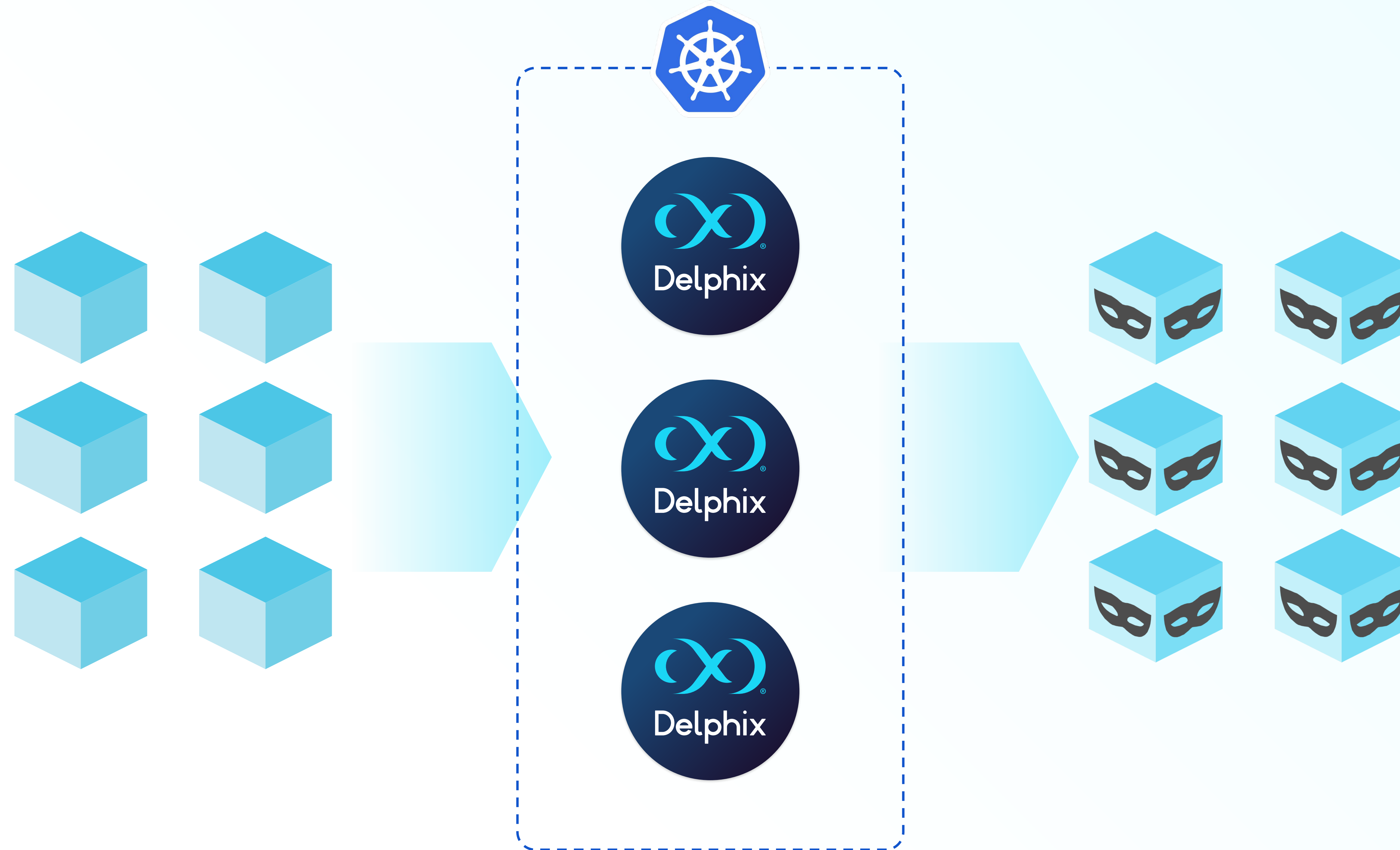
**Quickly spin up then tear down
Continuous Compliance Containers**
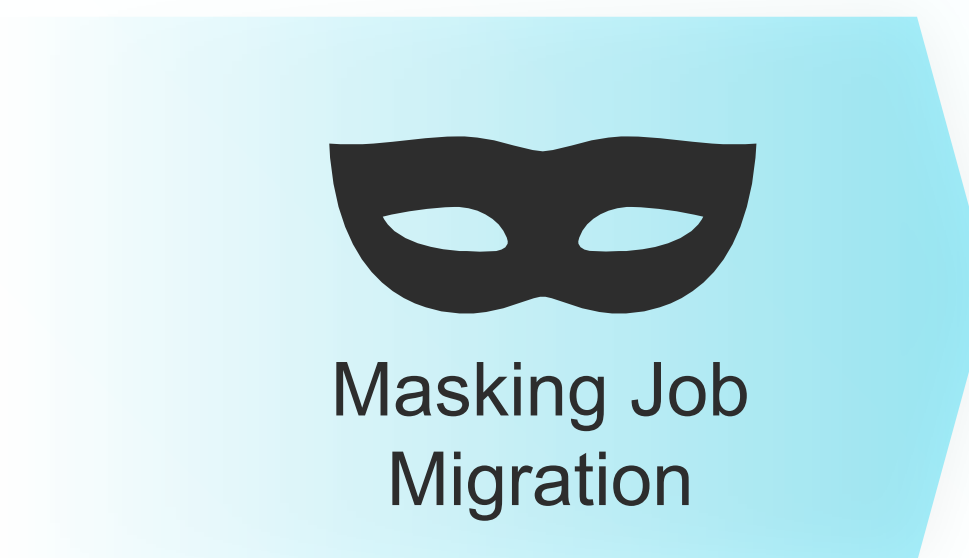
New in 6.0.17

- Easily spin up Continuous Compliance containers to quickly complete masking jobs

- Tear down Continuous Compliance containers and free up resources once masking jobs are completed

- Divide queued masking jobs to distributed Continuous Compliance engines to reduce masking times for data users
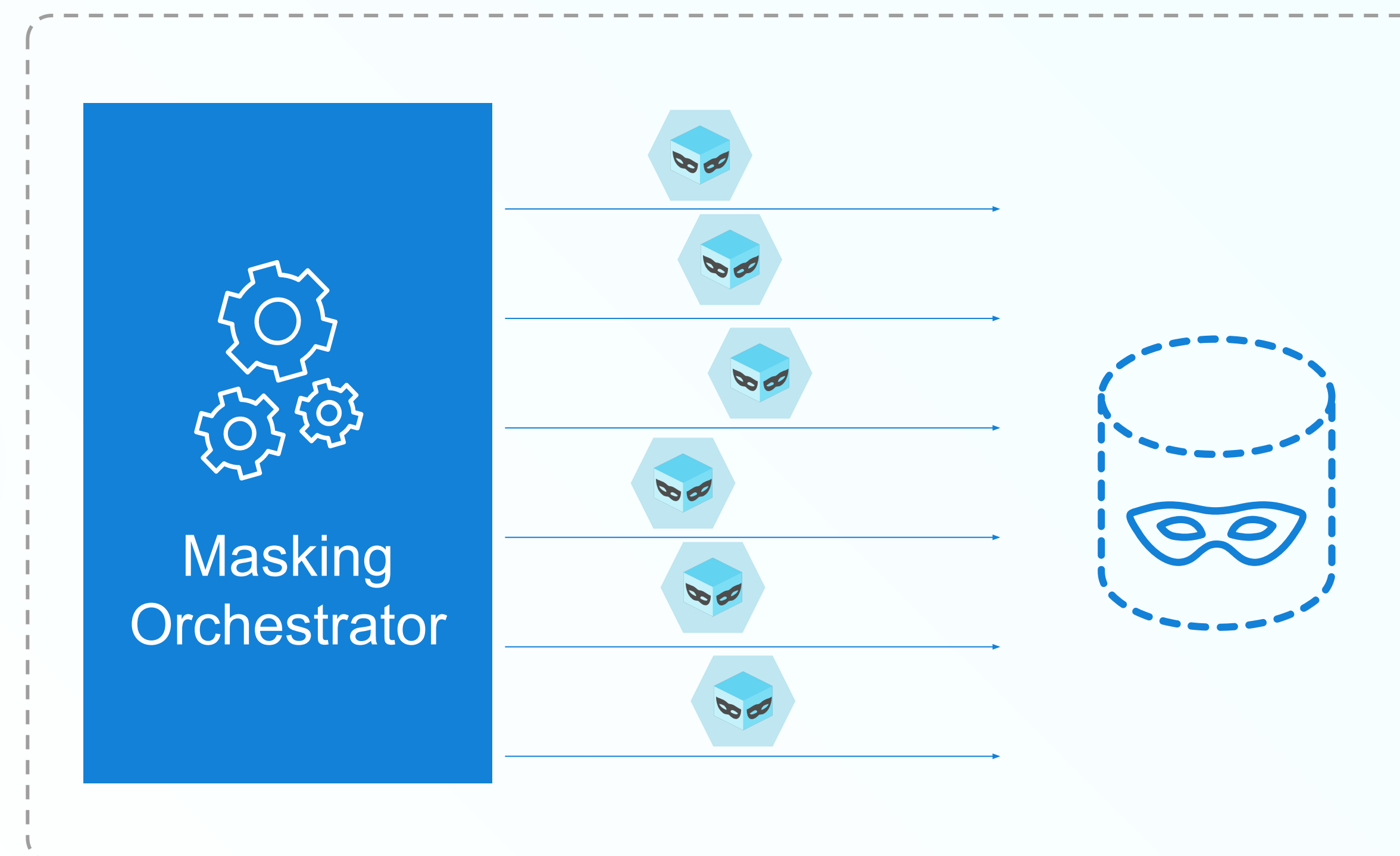
Hyperscale Compliance Job Migration

New in 6.0.17

- Quickly migrate masking jobs from existing Continuous Compliance Engines to the Hyperscale Compliance Orchestrator

- Accelerate masking of massive Oracle databases for compliance

- Greatly improve masking speed for databases with billions of rows containing PII, PHI, or sensitive data fields

Hyperscale Compliance

Masking Job Migration

Delphix

Continuous Compliance Engine

Masking Orchestrator

Data Control Tower: ServiceNow Integration

Updated in November

servicenow
Integration Hub Spoke

DevOps Integrations

now | Flow Designer
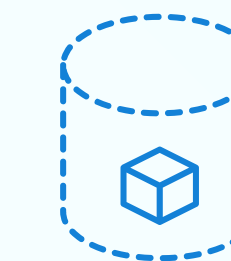
Flow
Delphix Flow ✕ +

🏠 📋

Delphix Flow Inactive

TRIGGER

➕ Add a trigger

ACTIONS

✕ ↪ Action ⟳ Flow Logic ⮢ Subflow

🔍 Search Actions

ERROR HANDLING
If an error occ...

now Collaboration Request	**Dsources**
🔁 Connect	List all dSources
now Continuous Integration a...	**Environment**
now Delphix	Delete Environment
🌐 Deployment Pipeline	Get all Environments
∞ Docker	**Management**
🌐 Global	Get all Engines
🔴 ITSM	**VDBs**
📧 Microsoft Teams	Delete VDB
now Password Reset	List all VDBs
now Pipeline	Refresh VDB by snapshot

Data Control Tower

APIs

DevOps TDM
- 🗄 Provision
- 🔄 Refresh
- 🔖 Bookmark
- « Rewind
- 🗑 Teardown
- 👥 Share
- 🔀 Branch
- ⚙ Integrate

DEV Environment
Delphix **App**

Test Environment
Delphix **App**

QA Environment
Delphix **App**

- Expanded library of Delphix actions available in ServiceNow Integration Hub Spoke

- Easily automate data into business rules, forms, and processes

- Quickly Provision, Refresh, Rollback, Destroy, and Manage test data through ServiceNow
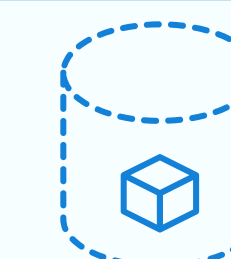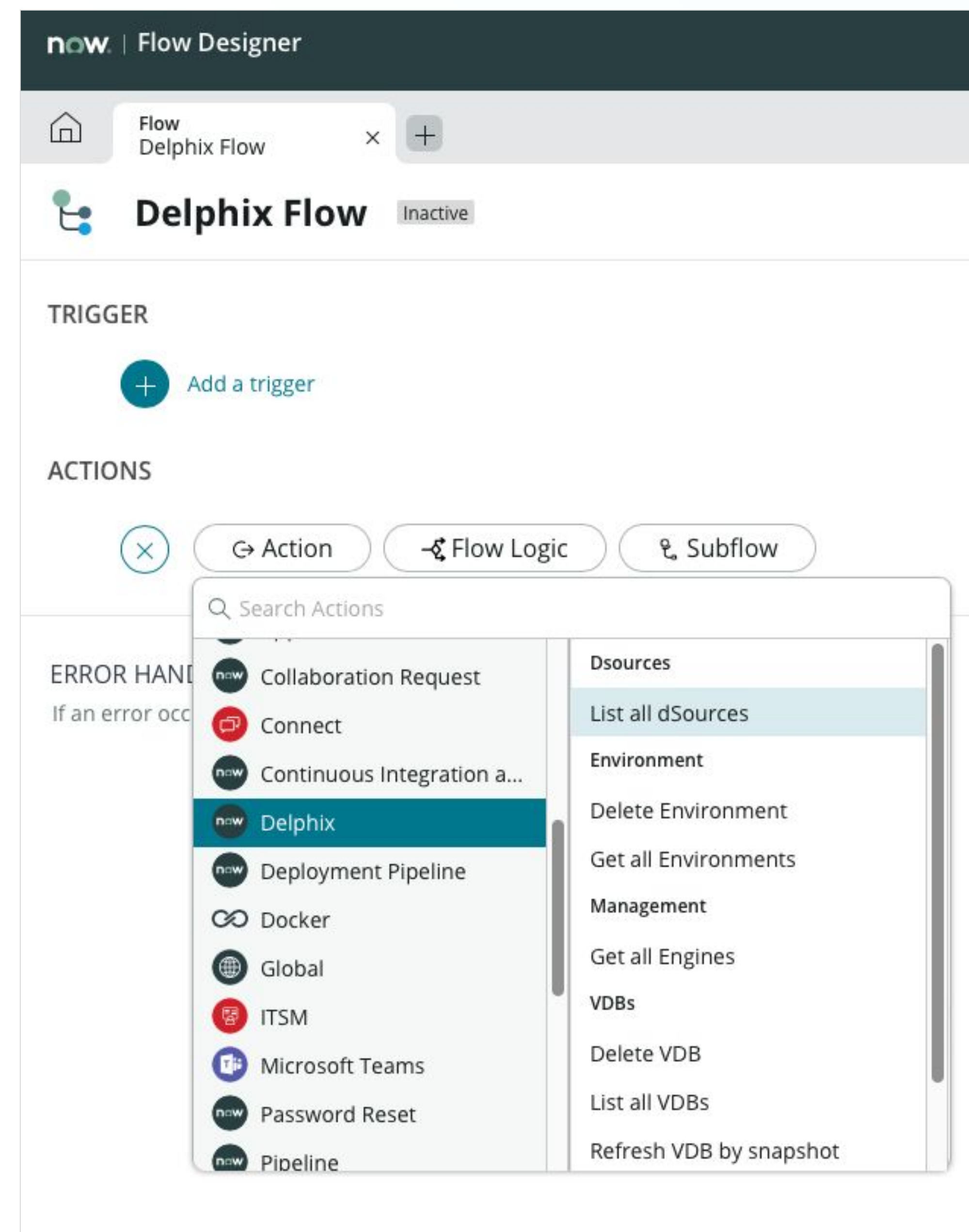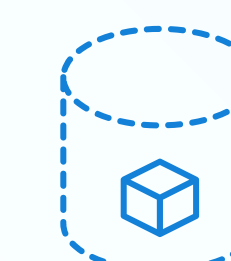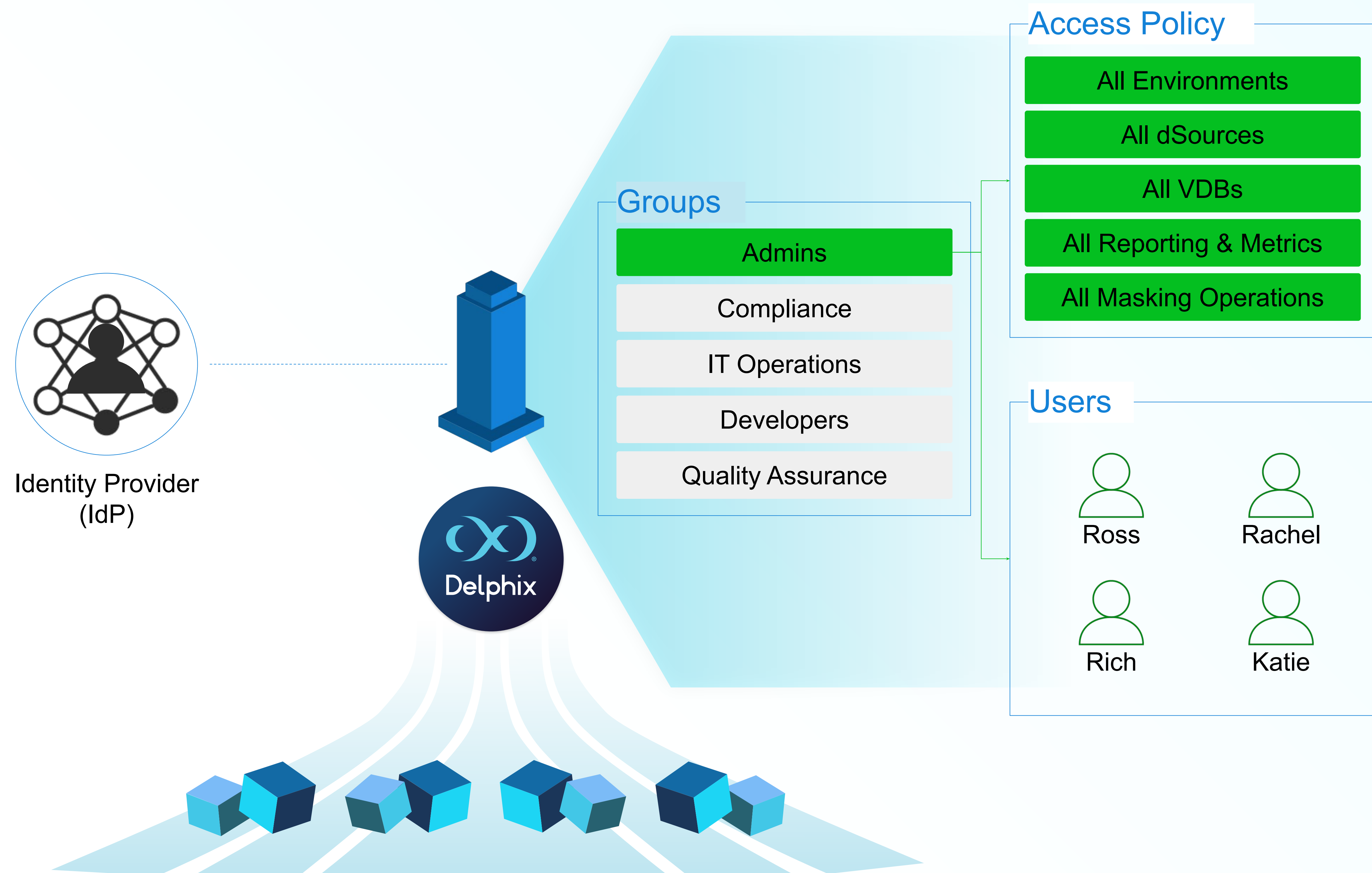
Continuous Compliance UI & APIs

Data Control Tower

Continuous Compliance Engine Management

- Continuous Compliance Engines can now be managed from the UI and DCT APIs

- Quickly migrate masking jobs and all dependencies between Continuous Compliance Engines

- Move masking jobs from busy Continuous Compliance engines to new or idle instances

Kubernetes & Openshift DCT Deployment
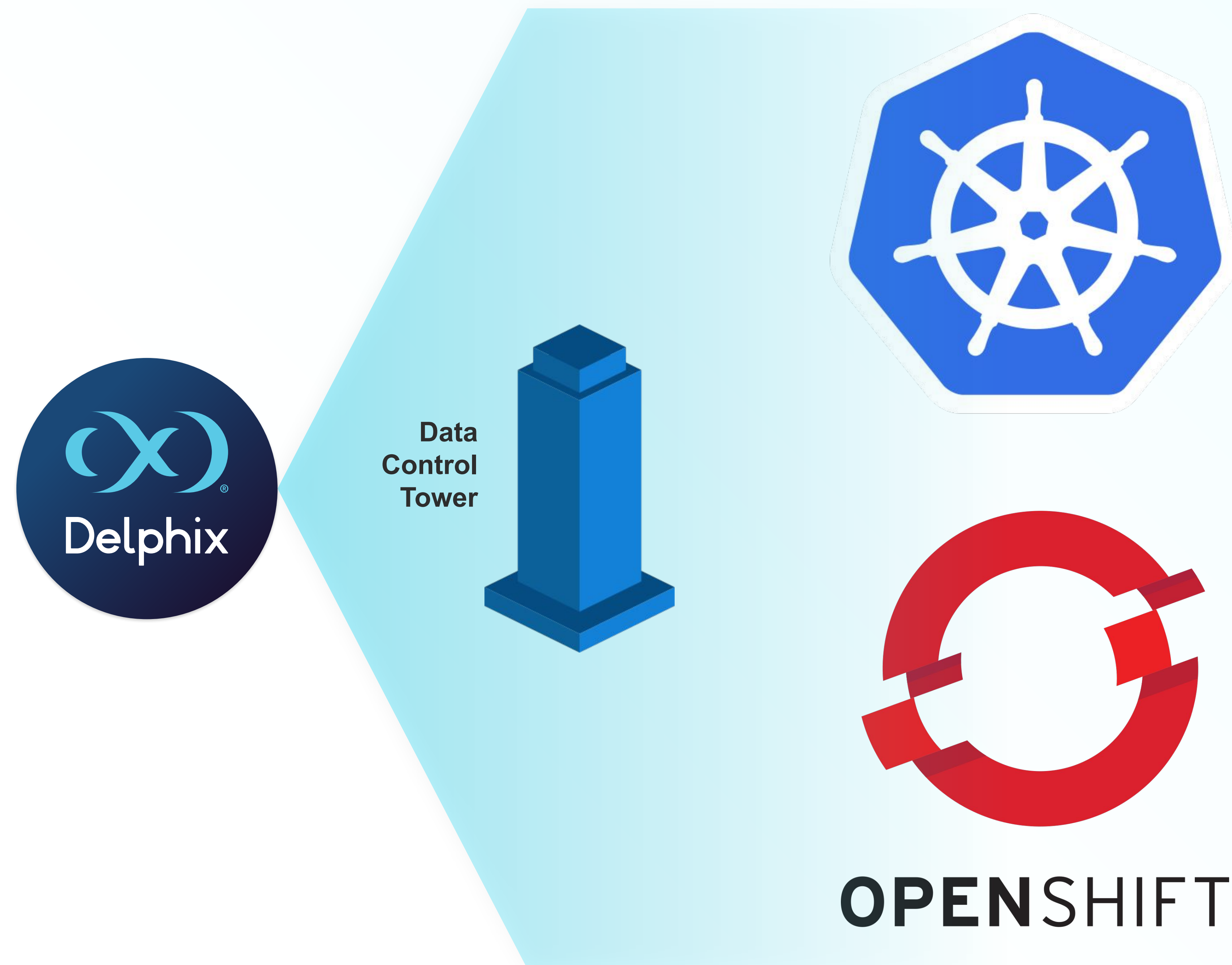
DCT 2.2

Data Control Tower

- Easily deploy Data Control Tower as an orchestrated container service though Kubernetes and Openshift

- Leverage Kubernetes and Openshift deployment templates for Delphix DCT

- Container images are available through the Delphix download site

Multi-Cloud Applications
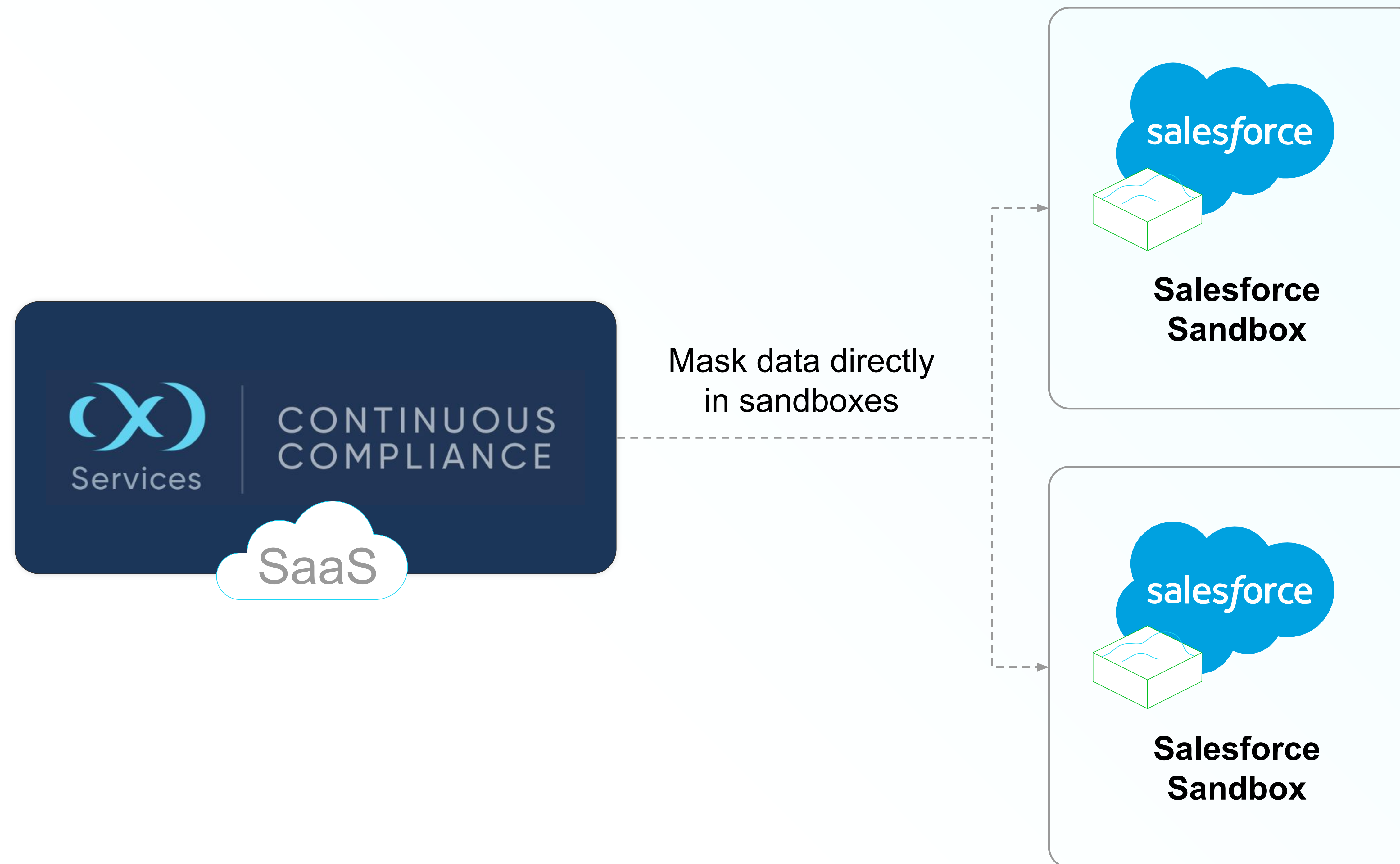
New & Updated for September 2022

- Continuous Compliance Services for CRM

- Salesforce Data Protect & Version 3.0
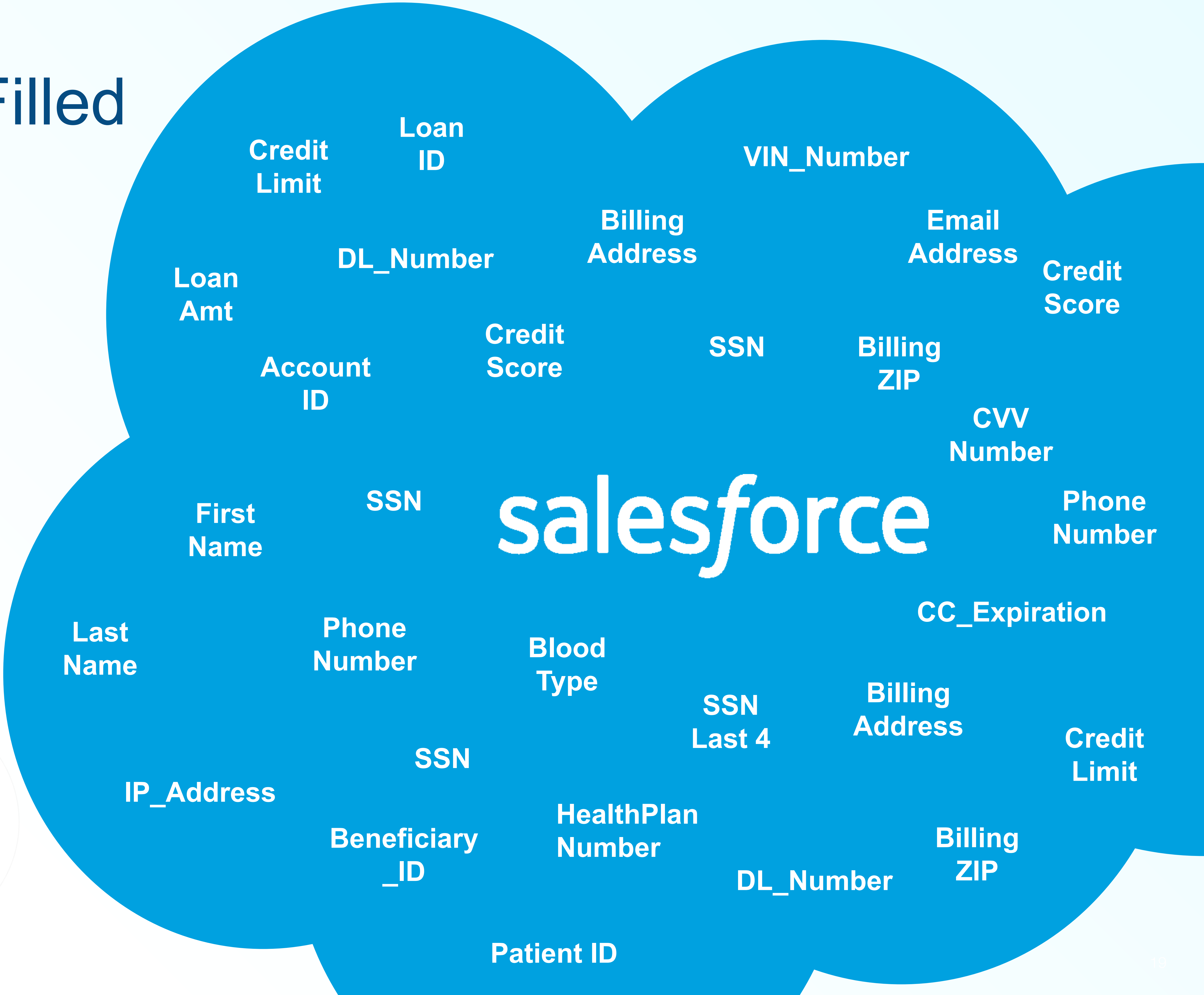
Continuous Compliance Services for CRM
Salesforce Compliance

Salesforce Sandbox

Mask data directly in sandboxes

Salesforce Sandbox

Generally Available

Sensitive Data Discovery and Masking

- 100+ pre-identified sensitive fields matched to masking algorithms
- Replaces PII with realistic but fictitious data
- Quickly meet compliance regulations such as GDPR, CCPA, and more

Unleash Salesforce data to multicloud applications

- Retain referential integrity across data sources with deterministic masking
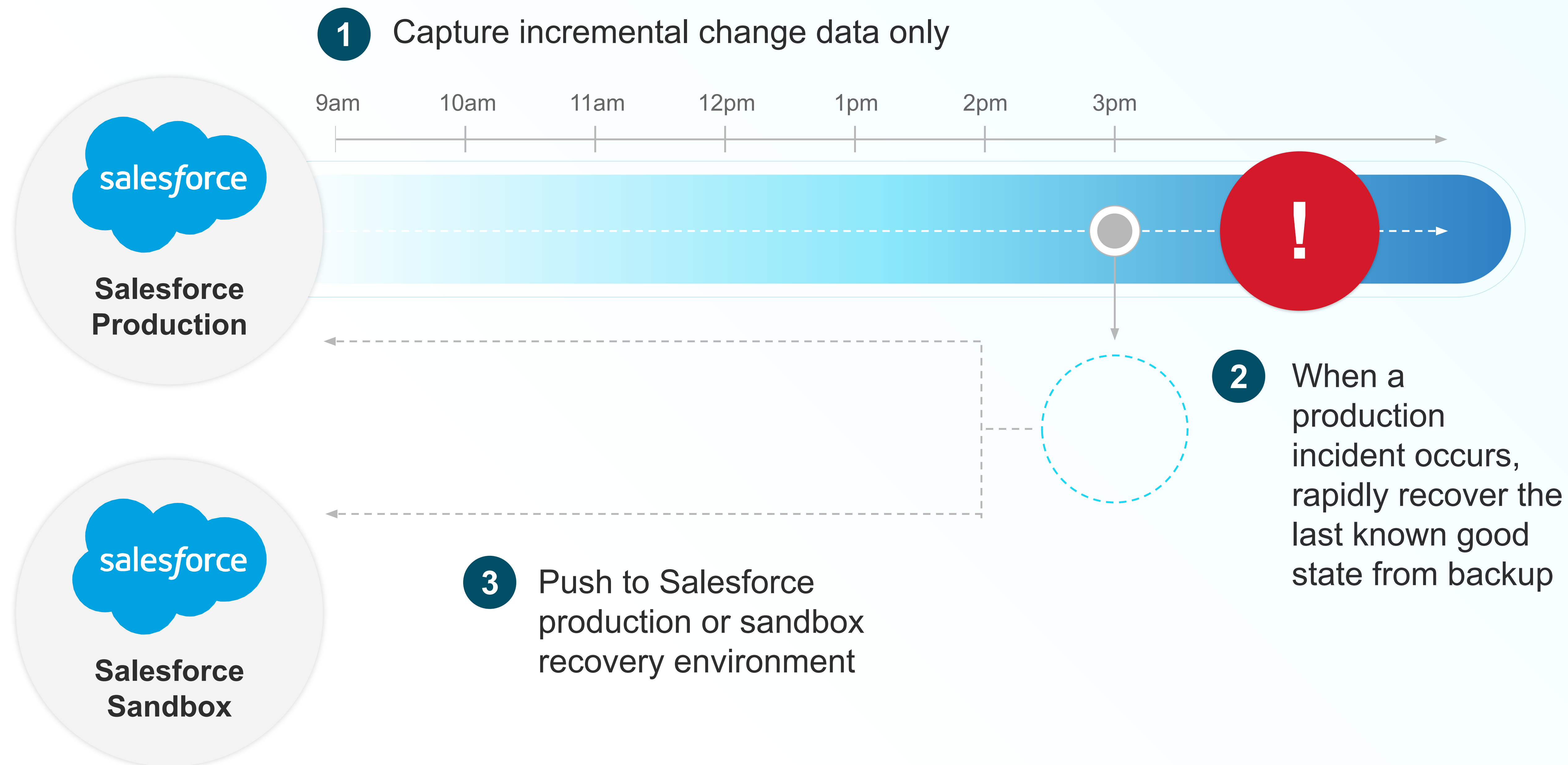- Maintain data shapes to ensure usability in testing

Compliance with speed and accuracy

- SaaS masking: A hassle free masking experience to meet your needs
- Compliance in days, not months

Get started now with a free trial

Salesforce Data Protect and Version 3.0

Updated in October

1 Capture incremental change data only

9am 10am 11am 12pm 1pm 2pm 3pm

!

2 When a production incident occurs, rapidly recover the last known good state from backup

Salesforce Production

3 Push to Salesforce production or sandbox recovery environment

Salesforce Sandbox

- Integrate with both production and sandbox Salesforce data

- Mask consistently with referential integrity

- Predefined data discovery + masking for default Salesforce schema

- Automated sensitive data discovery

- Full and incremental backups

- Rapid data recovery

Recent Updates

6.0.15	6.0.16	6.0.17
Released July 8, 2022	Released September 12, 2022	Released November 15, 2022

Continuous Data (Virtualization)
- Staging Push: Postgres & IBM DB2 HADR
- Cloud Engines Cache Analyzer
- Oracle MT Encrypted System Tablespaces
- Certifications for Postgres 13 on SUSE 15, Postgres 14 on RHEL 8.5, and Oracle EBS with TDE for Oracle 19C.

Continuous Compliance (Masking)
- Hyperscale 3.0 for Oracle
- Segment Mapping Algorithm V2
- JSON File Masking
- Numeric Expression Algorithm

Data Control Tower (DCT)
- Expanded Tagging, Reporting, VDB Groups

Multi-Cloud Applications
- Compliance Accelerator for SAP
- Salesforce Package Management
- Salesforce OAUTH 2.0 Connections
- Select Connector for CockroachDB

Continuous Data (Virtualization)
- Cloud Engines on Microsoft Azure
- Cloud Engines Cache Resize
- Continuous Vault Improved Security Controls
- Non-Admin User Password Reset
- Zero Trust Updates for SAP HANA
- Increased Mount Security
- iSCSI Parameter Warnings

Data Control Tower (DCT)
- ServiceNow Integration Hub Spoke
- Admin UI for Infrastructure with Tagging
- Admin UI for Storage Management

Multi-Cloud Applications
- OAuth 2.0 for SFDC Compliance Accelerator

Continuous Data (Virtualization)
- Source Sizing for Db2
- Environment Variables in Hooks

Continuous Compliance (Masking)
- JSON Field Masking
- XML Field Masking
- MS Intelligent Data Platform Integration
- Containerized Masking
- Hyperscale Compliance Masking Job Sync

Data Control Tower (DCT) 2.2
- Service Now Integration 2.0
- Continuous Compliance APIs
- Global User Access Management
- Kubernetes & OpenShift templates

Multicloud Applications
- Continuous Compliance Services for CRM
- Salesforce Data Protect and Version 3.0