Build Powerful Enterprise-Scale Automation Workflows with Data Control Tower

Centrally control automated API-driven workflows across your data estate
In a world where rapid innovation is critical to market success, modern companies must automate away manual processes, such as software provisioning and release, to operate at a new level of speed and efficiency. While vast ecosystems of popular tools, such as Jenkins and Ansible, have risen to enable key aspects of automation, each and every workflow is missing one critical element—fast, compliant and production-quality data that can be delivered via API.

Delphix provides an API-first DevOps Data Platform to automate a range of complex, critical data operations—including data environment provisioning for development, testing, and analysis, along with compliance with privacy regulations such as GDPR and CCPA. Delphix APIs fulfill a comprehensive range of requirements, including data refresh, environment provisioning and teardown, integration, time machine, version control, and equally important, data masking and compliance.

Data Control Tower (DCT) further empowers Delphix customers by enabling a single point of control for API-driven automation across an enterprise-scale data ecosystem. DCT provides central orchestration for all of your automation and supports modern API standards like OpenAPI 3.0. With this centralized approach, pipelines and automation only need to point to DCT once to access any number of underlying data services across the Delphix deployment. In addition, DCT allows you to centrally configure all the necessary security and entitlement access controls to ensure that only the right users access the right data at the right time. This is achieved through the integration of your enterprise directory system with your identity provider for authentication and authorization.

Key Features

» Maximize deployment flexibility: SaaS provided by Delphix or deploy yourself in any leading public cloud and on premise.

» Access a single API control point to direct all automation

» Simplify experience integrating your data into automation toolchains for CI/CD, SRE, and AI/ML

» Leverage modern API standards to accelerate dev/test workflows

» API keys provide increased security for all Delphix APIs

» Integration with Enterprise Directory (LDAP/Active Directory)

» Monitoring and reporting enables admins to audit with metadata on user access, data object usage and performance
A Single Programmable Data Infrastructure

A common struggle for modern enterprises is that they’re both drowning in data and have no means of accessing and delivering the right data sets for their automation. For organizations with large automation initiatives and/or large Delphix deployments, DCT allows you to source data from anywhere, deliver compliant data into any pipeline, and automatically control that data in unison with other tools. DCT is the orchestration layer on top of your enterprise data, which abstracts away the need for you to know where your data resides.

Data Control Tower centralizes data automation and offers new APIs to enhance infrastructure controls:

**Architecture:**

Data Control Tower provides a single point for automation by mapping where data lives across a distributed enterprise infrastructure.

**New APIs:**

Data Control Tower represents a comprehensive set of APIs built on modern standards. The APIs remove the need to know where data lives and offers singular operational control across your deployment.

With an improved architecture and streamlined APIs, Delphix enables stakeholder teams to implement automation workflows like those below.

<table>
<thead>
<tr>
<th>DevOps and CI/CD</th>
<th>Site Reliability Engineering</th>
<th>AI and ML</th>
<th>IT Operations</th>
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<tbody>
<tr>
<td>Use a comprehensive API set to deliver and manage compliant data like code, so you can fully automate testing in your CI/CD pipelines.</td>
<td><strong>Recreate full application states-including the data-to rapidly reproduce and troubleshoot errors in production.</strong></td>
<td><strong>Train models with the right data, from the right time, delivered at the right moment.</strong></td>
<td><strong>Use DCT APIs to fuel administrative workflows and generate reports.</strong></td>
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- **Rapidly deliver, refresh, reset and clean up test data within development pipelines**
- **Integrate with APM tools to deliver data copies right before, during, and after a detected incident**
- **Deliver synchronized test data from multiple apps and databases for integration testing**
- **Provide DR copies of source databases in case of ransomware attacks**
- **Generate lists of applicable data for algorithm training and easily request access**
- **Quickly access the data you need by provisioning your own datasets instead of waiting on a ticket-based request system**
- **Check system statuses for monitoring workflows like uptime tracking or enforcing use policies like refresh frequency**

- **Find and mask sensitive data for compliant test environments to safely automate testing in your CI/CD pipeline**
- **Integrate data delivery into your own data preparation and transformation applications**
- **Generate inventory reports for auditing purposes**
- **Drive clarity on how Delphix is used from a macro view – calculate ROI, conduct chargeback operations, etc.**
Data is critical for testing application releases, modernization, cloud adoption, and AI/ML programs. We provide an automated DevOps data platform for all enterprise applications. Delphix masks data for privacy compliance, secures data from ransomware, and delivers efficient, virtualized data for CI/CD.

Our platform includes essential DevOps APIs for data provisioning, refresh, rewind, integration, and version control. Leading companies, including JPMorgan Chase, UKG, Choice Hotels, Michelin, and BNP Paribas, use Delphix to accelerate digital transformation. For more information, visit www.delphix.com or follow us on LinkedIn, Twitter, and Facebook.

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