

Terraform Provider for Delphix

Delphix and Terraform together
automate all enterprise data for DevOps

Modern DevOps teams use API automation to provision their infrastructure and applications as code. However, deploying complete datasets is still manual, slow and difficult, creating operational bottlenecks for application development teams. Access to fresh, compliant and complete test data can take weeks to months. Once test data is provisioned, teams compete for a

limited number of data-ready test environments, slowing down the overall development process. Organizations need a better way to fuel DevOps initiatives with data, to ensure successful digital transformation. Now you can deliver data-as-code along with the rest of your infrastructure using HashiCorp Terraform and Delphix.

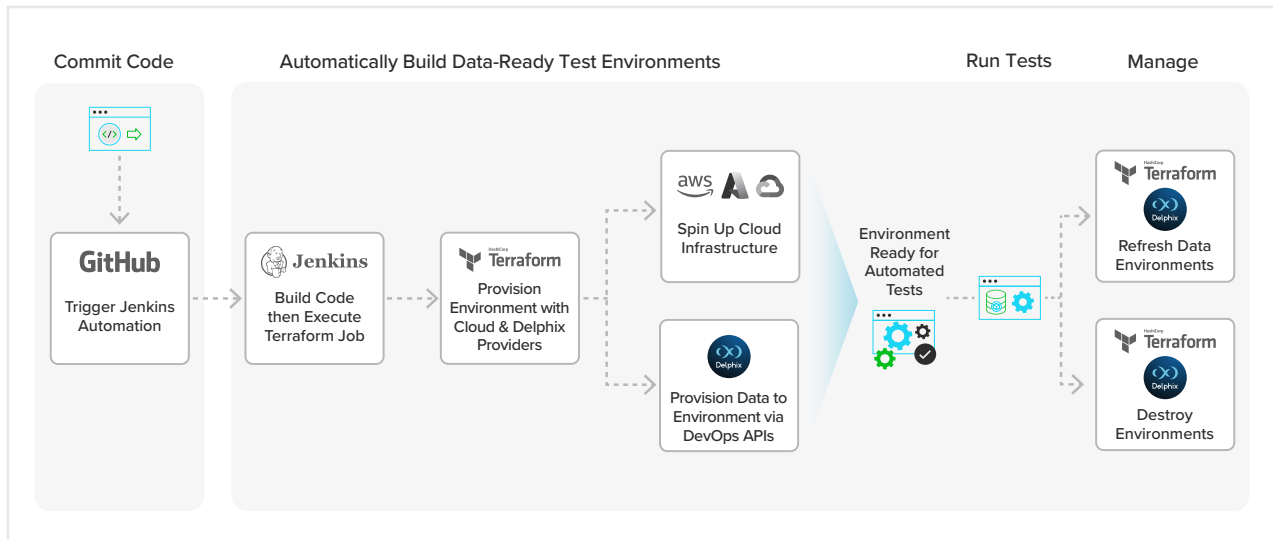


Figure 1. Automated CI/CD Pipeline using HashiCorp Terraform and Delphix

Terraform Provider for Delphix Automates Test Data for DevOps

The [Terraform Provider for Delphix](#) enables Terraform users to natively access Delphix data APIs. With Terraform and Delphix, DevOps teams can easily automate compliant test data as code into their CI/CD pipelines, using Terraform to manage the lifecycle of environments via the plan, apply, and destroy operations. Developers can now independently provision environments populated with complete, compliant datasets, in minutes instead of weeks or months.

Terraform and Delphix make it easy for developers to quickly spin up and down isolated ephemeral data environments using Terraform configurations, without waiting for, or interrupting adjacent teams. Unit and integration tests can be parallelized,

to greatly improve overall test speeds. Development and testing teams no longer have to timeshare test databases.

The solution automatically and continuously synchronizes with global, multicloud production data sources and efficiently saves incremental changes. From there, test data can be delivered on-demand, eliminating data sprawl and reducing carbon footprint. Fully integrated and automated sensitive data discovery, masking, and distribution enable teams to work with safe data in minutes instead of weeks or months.

With Terraform and Delphix, organizations use a modern approach to Test Data Management (TDM) to release high quality software faster, with improved compliance.

Accelerate Development Speed

With the Terraform Provider for Delphix, teams leave behind legacy, manual TDM approaches and harness an unlimited number of dynamic, ephemeral test data environments. Data as code enables instant, consistent, reliable, and repeatable data provisioning and adds essential features such as Provision, Rewind, Refresh, Bookmark, Share, and Teardown to each dataset.

Delphix and Terraform empower developers to self-provision data 'on-demand', requiring no expertise in infrastructure, OS, and database configurations. Instant, API-based access to compliant, multicloud data, from specific timestamps or bookmarks, allows teams to leverage data within DevOps toolchains. Data is refreshed to the latest versions of sources or instantly rewound to a prior point in time. Collaboration is easy with tagging and bookmarks.

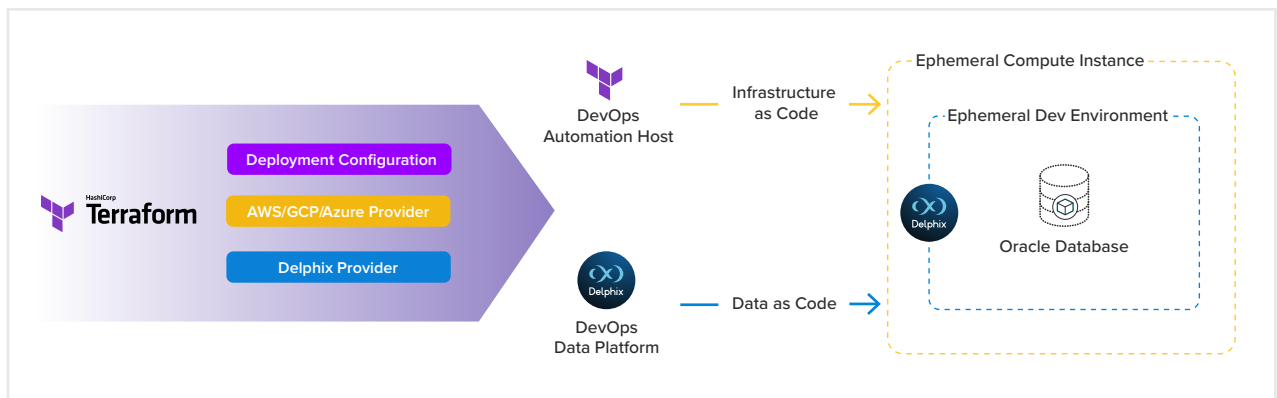


Figure 2. Sample 'data as code' workflow using Terraform Provider for Delphix

Improve Code Quality

Delphix and Terraform remove data constraints, so teams test early and often, easily refresh, and rewind data and share datasets, to find and fix difficult issues much earlier in the SDLC. Developers can 'shift-left' to quickly identify root causes, iterate, test, and release.

The solution accelerates and simplifies System Integration Testing (SIT), to deliver end-to-end, time-synced test datasets with applications and infrastructure. Teams release high quality code, for complex applications, spanning multi-generational data, from mainframe to cloud.

Testing with complete, fresh, production-like data allows for thorough and comprehensive testing, covering all scenarios and corner cases, reducing defects vis-a-vis legacy approaches to TDM.

Ensure Zero Trust and Compliance

Organizations comply with data privacy regulations by using the joint Delphix and Terraform solution to protect sensitive data in dev/test environments. This includes automated discovery and delivery of realistic masked data, using a rich set of pre-built algorithms. Masked datasets maintain referential integrity across data systems to ensure consistent testing, especially in SIT.

The Terraform Provider for Delphix supports zero trust by preventing unauthorized access to sensitive data by developers or external malicious actors and eliminating manual provisioning of production data by IT Operations teams. Terraform configurations are used to fully automate the delivery of compliant test data, reducing risks associated with human error, and sensitive data exposure. With Terraform and Delphix, data compliance is easy, even at DevOps speed.

Terraform Provider for Delphix



Delphix is the industry leader for DevOps test data management.

Businesses need to transform application delivery but struggle to balance speed with data security and compliance. Our DevOps Data Platform automates data security, while rapidly deploying test data to accelerate application releases. With Delphix, customers modernize applications, adopt multicloud, achieve CI/CD, and recover from downtime events such as ransomware up to 2x faster.

Leading companies, including Choice Hotels, Banco Carrefour, and Fannie Mae, use Delphix to accelerate digital transformation and enable zero trust data management. Visit us at www.delphix.com. Follow us on [LinkedIn](#), [Twitter](#), and [Facebook](#).

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