HashiCorp

Empowering ACME's Cloud 2.0 Vision with HCP Terraform

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Agenda

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ACME Corp's Cloud 2.0

Vision & Current Challenges

ACME Corp's Cloud 2.0

Vision & Challenges

Cloud 2.0 Vision:

- Minimize Cloud Cost
- Enforce Uniform Provisioning
- Standard Path for Deployment for all BUs
- Reusable Code & Common Registry

Current Challenges:

- Fragmented IaC tools (CloudFormation, ARM, scripts)
- Lack of comprehensive governance
- Limited cross-cloud support
- Inconsistent workflows

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Introducing HCP Terraform

What is HCP Terraform?

And how it aligns with Cloud 2.0

HCP Terraform is a SaaS platform for Infrastructure as Code (IaC) that provides a centralized workflow for Terraform, enabling robust collaboration, governance, and automation across your cloud environments.

- **Standardization**: Unified workflow, Private Module Registry
- **Cost Optimization**: Cost Estimation, Policy as Code
- **Uniform Provisioning**: Consistent execution, centralized control

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Key Benefits & Addressing Your Concerns

Key Benefits

Addressing Your Concerns

Multi-Team Collaboration & Module Sharing

Breaks down silos, fosters reuse, and scales infrastructure development across teams.

- **Workspaces**
- **Role-Based Access Control (RBAC)**
- **Private Module Registry**

Governance & Compliance (Policy as Code)

Proactive security and compliance, reduced audit burden, prevents costly mistakes.

- **Sentinel**
- **Pre-Provisioning Policies Enforcement**

Key Benefits

Addressing Your Concerns

Workflow Automation & CI/CD Integration

Streamlined, consistent, and auditable deployment pipelines; frees up engineers from manual tasks.

- **Automated Runs**
- **API-Driven Workflows**
- **CLI-Driven Remote Runs**

Cost Management & ROI

Direct impact on cloud spend, enables cost-aware decisions, contributes to positive ROI for Cloud 2.0.

- **Cost Estimation**
- **Policy Enforcement**

Reliability, Drift Detection & Observability

Improved operational stability, rapid identification of unauthorized changes, enhanced troubleshooting capabilities.

- **High Availability (SaaS)**
- **Drift Detection**
- **Detailed Run Logs & Audit Trails**

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Demonstration

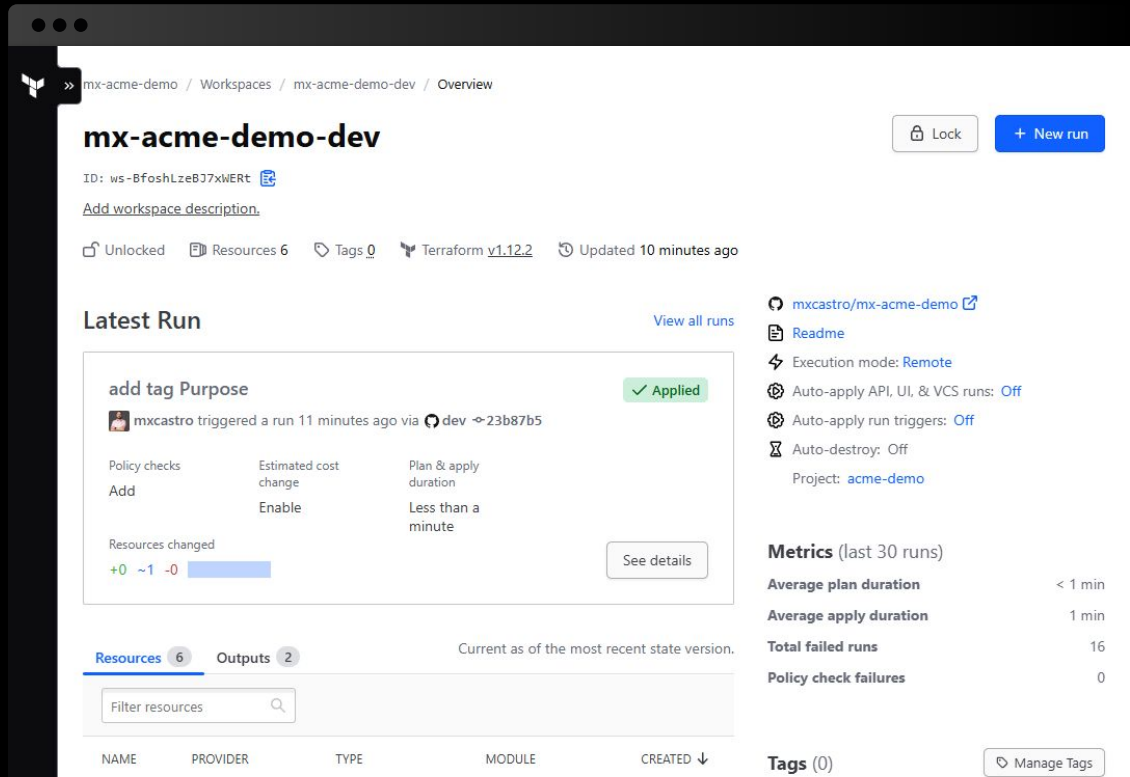
HCP Terraform in Action

HCP Terraform in Action

Live demonstration

- **Scenario**: Deploying a new EC2 instance in AWS

- **Key Highlights**:
  - VCS-driven workflow
  - Remote Operations
  - Cost Estimation
  - Policy as Code (Sentinel)
  - Auditability



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High-Level Implementation Roadmap

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Setup & Pilot

Phase 1: Weeks 1-4

Governance & Expansion

Phase 2: Months 2-3

Optimization & Advanced Features

Phase 3: Months 4+

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Why HCP Terraform?

A Competitive Advantage

Why HCP Terraform?

A Competitive Advantage

Beyond CloudFormation/ARM Templates:

- Multi-Cloud Agnostic
- Centralized Control Plane
- Robust Policy as Code (Sentinel): Proactive, flexible governance.
- Built-in Private Module Registry
- Integrated Cost Estimation & Drift Detection

Beyond Custom Scripting:

- Eliminates "script sprawl" and maintenance burden.
- Provides enterprise-grade features for security, collaboration, and auditability.

Portfolio

Infrastructure

Packer

Automated machine images from a single source configuration

Terraform

Infrastructure automation to provision and manage any cloud service

Networking

Consul

Service mesh across any cloud and runtime platform

Security

Boundary

Secure remote access to applications and critical systems

Vault

Secure management of secrets and sensitive data

Application

Nomad

Workload orchestrator and scheduler to deploy and manage applications

Waypoint

One workflow to build, deploy, and release applications across platforms

Vagrant

Single workflow to build and manage development environments

Questions?

Next Steps

- Deep dive into specific use cases.
- Technical workshop for ACME's team.
- Proof of Concept (PoC) for a critical application.

Thank you

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