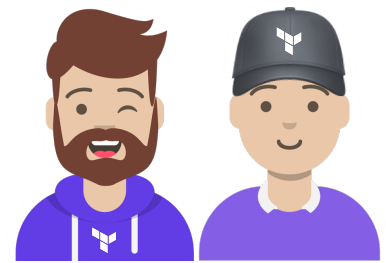
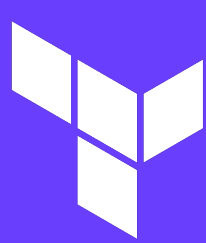




Intro to Terraform Cloud



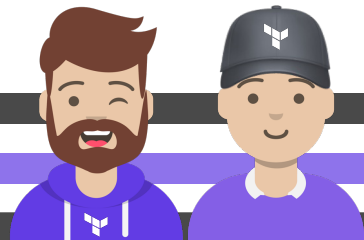


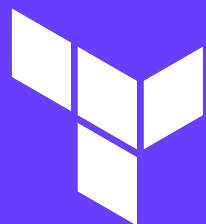
HashiCorp

Terraform Cloud

What is Terraform Cloud?

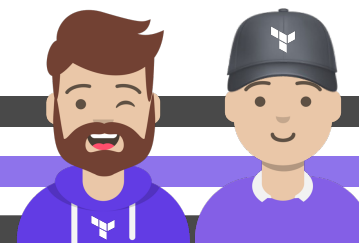
A hosted service from HashiCorp that extends and enhances Terraform Open-Source





HashiCorp

Terraform Cloud



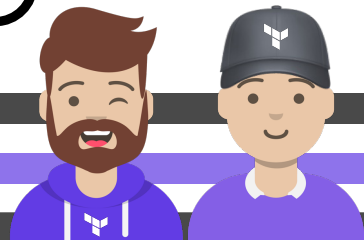
Comparing Terraform Local with TFC

Terraform is Awesome because...

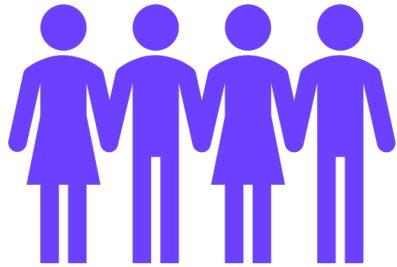
Define your Infrastructure as Code
Open Source (FREE!)
Rich Set of Integrations (Providers)
Reusable Modules (Registry)
Ability to Plan out your changes (Plan)
Simple to Use

...but it does create limitations

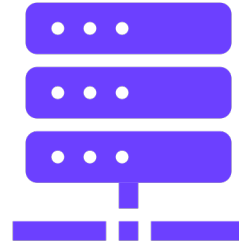
- 😞 Harder to use as your team scales
- 😞 Local State Management
- 😞 Sensitive Variables in Code
- 😞 No native Role Based Access / Governance
- 😞 Inconsistent Workflows / Terraform Version Sprawl
- 😞 Decentralized Terraform Runs



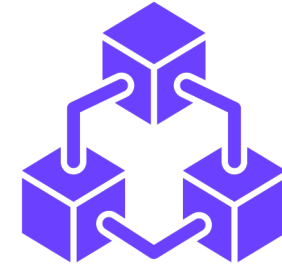
Ways a Project Grows



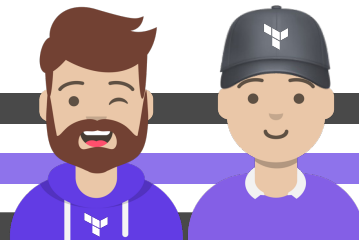
Larger Team



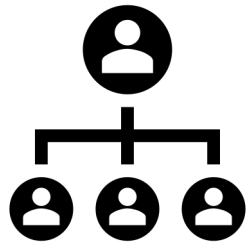
More Resources



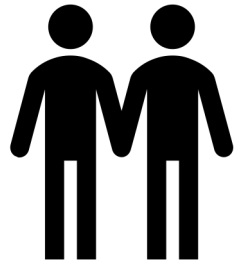
Dev, Test,
Staging, Prod



Primary Benefits of TFC



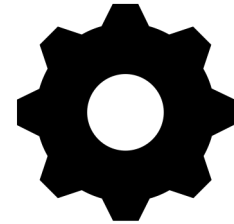
Organizations



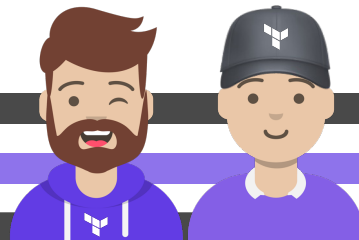
Teams &
Users



Workspaces



Automation &
Orchestration



Features and Services



 Remote State Data and Operations

 VCS and API Workflows

 Sentinel Policy-as-Code/Governance

 Cost Estimation

 Drift Detection

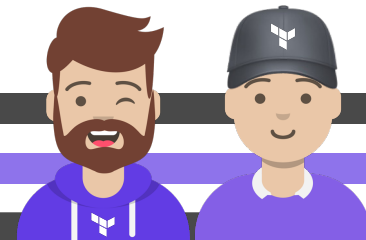
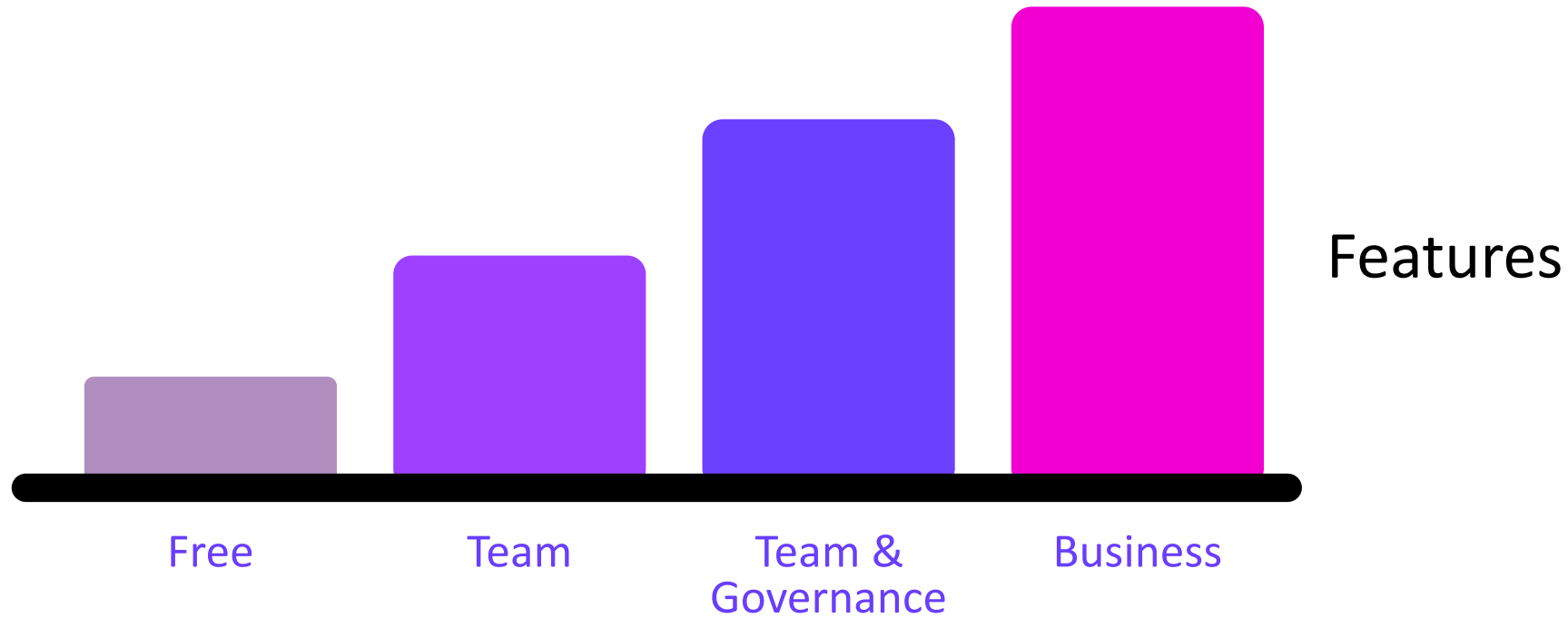
 Private Registry

 Role Based Access

 Integrations



Terraform Cloud Plans



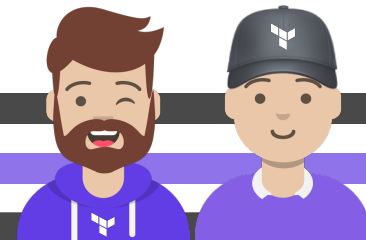
Terraform Cloud vs. Enterprise



Hosted and Managed
Tiered plans based on Features



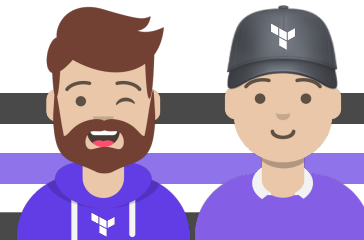
On-Premises and Self-Managed



Why Would I Use Terraform Cloud?



- Platform for **Collaboration** and **Governance** using Terraform
- Maintains the familiar Terraform workflow: **Init** → **Plan** → **Apply**
- **Securely** stores Terraform State for each Workspace (encrypted)
- Easily **share state** among team members for simplified management of resources
- Provides **Centralized Module Registry** to Store Custom and Private Modules
- Connect to your **existing Version Control** where you manage Terraform Configuration code
- Provides History and **Audit Log** of all Actions and Terraform Runs
- Permission and role-based access to **control access for team members**
- Remove the **burden** of building and maintaining all this yourself



Management and Operations

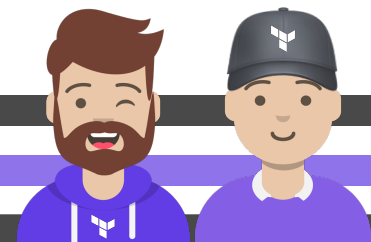


Organization: Organizations are a shared space for one or more teams to collaborate.

Workspace: Isolated unit that tracks and manages specific infrastructure – each workspace contains a linked VCS, state file, logs, etc.

User: Individual contributors to one or more workspaces

Team: Groups of users that often reflect your organization's org or project structure



I Already Use Terraform.....

How Does Terraform Cloud Impact my Workflow?



Your Code Still Works!!

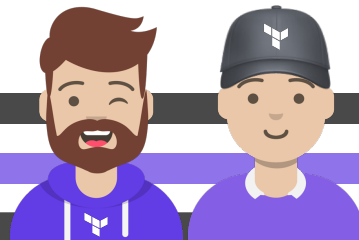
- Everything you've learned about Terraform – the code, the modules you created – it all works with TFC
- You just get the new benefits to simplify management of your Terraform configurations

Leverage existing Workflows:

- CLI, Version Control, API – all are supported
- Enhance with Collaboration, Notifications and Run History

Adopt as your Team and Organization is ready

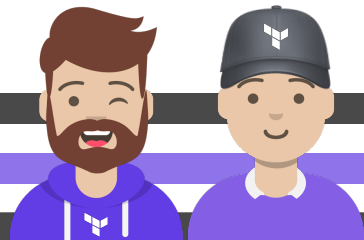
- Keep using your local CLI to execute changes or integrate with your CI/CD platform of choice
- You now have options that allow you to scale! You can run locally, use the UI, or have your orchestrator execute



How Do I Sign Up?



- Users can signup for individual accounts at app.terraform.io/signup
- Users can be a member of multiple teams and organizations
- Note: Usernames are global within Terraform Cloud





END OF SECTION