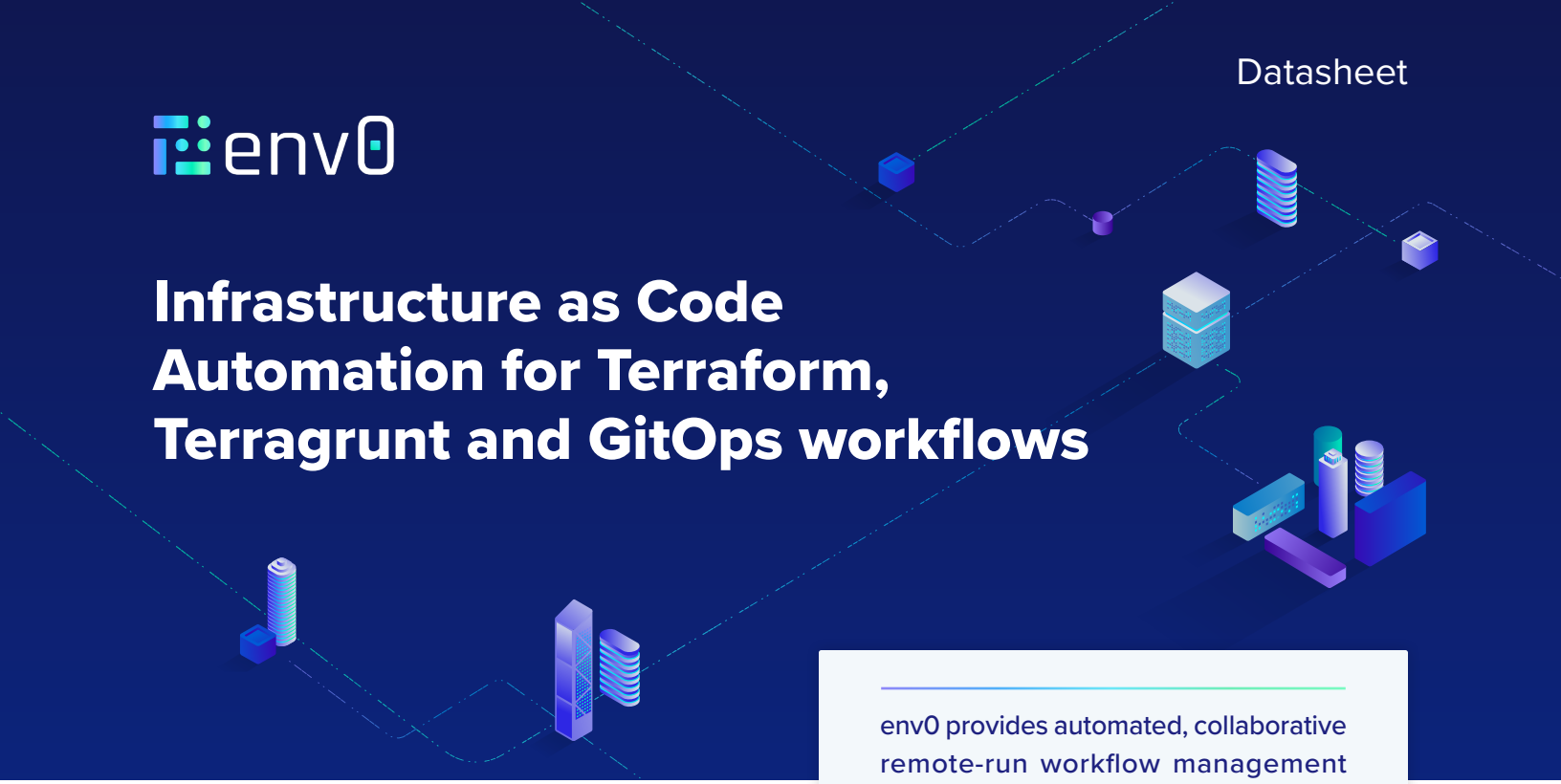
Datasheet

env0

Infrastructure as Code Automation for Terraform, Terragrunt and GitOps workflows



env0 provides automated, collaborative remote-run workflow management for cloud deployments on Terraform, Terragrunt and with custom flows. We enable users and teams to jointly govern cloud deployments with self-service capabilities. env0 fully integrates with CI/CD pipelines and VCS tools, and delivers full CLI support for a smooth, flawless process.

IaC Management at Scale

Dashboards

Graphical representation of your infrastructure, the organization around it, it's usage and the associated costs.

One-click visibility into your organization's env0 platform usage.

User Hierarchy

Define groups of users that match your organizational structure and assign only the permissions they need.

Least privilege — but structured around your organizational layout. Implement access control that makes sense to you.

Private Module Registry

Create, share, and version control an internal-only module repository for use by your organization.

A key part of IaC is version control — env0 allows you to create your own respository to centralize and version your infrastructure definitions.

Integrations and APIs

API-Driven Programmable Interface

Use, re-use, and programmatically interact with env0 to build custom flows using a CLI, our Terraform provider, or direct API calls from your own application.

Insert env0 into existing processes, and gain near immedeate access to its full compliment of capabilities.

Terraform Provider for env0

Use the Terraform provider to insert env0 API calls anywhere in your Terraform code.

Flexbility to model nearly any workflow or process your team can dream up.

Governance and Workflows

Deployment History

Investigate and audit cloud deployment history to get a clear view of all environment changes.

Perfect for retrospectives. Learn what worked well, and what can be improved in future.

Remote Run

Collaborative remote-run environment that executes IaC and simplifies the cloud deployment governance of cloud deployments for Terraform, Terragrunt, and other IaC frameworks.

Team members work together, defining the way infrastructure should look. Keep everyone informed and in control as IaC expands into more business areas.

Custom Flows

Easily create custom flows and extend your IaC capabilities to run any code at any point in the deployment process, including tying into OPA, static code analysis tools, configuration management frameworks, cloud CLIs, and more.

Your business isn't run the same as anybody else's, so you need flexibility in your tools. Customing your infrastructure code to match your exact need is key.

Dynamic Variables and Secrets

Manage all of your keys, tokens, cloud credentials, and other environment variables at every level with a single configuration.

Centralize convenience. Know where to look for the all important access details. Save time and effort, and keep secrets safe.

Approval Flows

Define an approval process for critical environments and deployments (i.e., production) and review pending requests.

What's better than a skilled solo operator? A team of skilled operators! Pull the team together with checks and balances before touching production environments.

Slack and Teams Integration

Get immediate notifications for every pending and actual infrastructure change.

Stay informed—in a timely fashion—in the team communication space that matters.

Granular RBAC

Easily manage an organization of separate business units, teams, users, and projects with granular Role-Based Access Controls (RBAC). Assign RBAC roles to any object, limiting access to environments, manage users, and team capabilities across all cloud resources.

Security teams will often tout 'least privilege' as the way to get things done, but securely. We provide the capabilities to do this with RBAC.

Open Policy Agent Extensibility

Prevent problematic deployments with policy-as-code guardrails based on the OPA framework by enforcing infrastructure access and GitOps workflows rules.

Maintain compliace to organizatonal policy and requirements. Reduce audit burden for external security frameworks such as NIST 800-53 and HIPAA.

Workflow Triggers

Programatically tie together dependent environments and deploys.

Flexibility to meet any IaC need without requiring large scale reingineering and lift.

Managed Self-Service and Ephemeral Environments

Time to Live (TTL)

Automatically shut down environments after a set duration, reducing costs.

Control cloud spend, and increase security by destroying unused, outdated, and insecure resources.

Templates

Create and re-use infrastructure resource templates for on-demand environment provisioning.

Make common environment components re-usable by teams, empowering self-service and reducing those hard-to-support 'unique' solutions.

Enviroment Limits

Predefine and enforce the number of simultaneous running environments a developer may deploy.

Keep control of costs and complexity.

Scheduling

Set specific times for environments to be started and/or shut down.

Great for testing and managing costs. Building a new environment, not had it signed off by the security team yet? Schedule it to shut down at times you know it's not being used. Or alternatively, make use of spot pricing for cost effective testing.

Enviroment-as-a-Service

Spin-up, update, or destroy an environment with one click via a template-driven service catalog, and easily track environment status and deployment history.

Self-service access to approved resources when devs need them reduces waist, increases team productivity, and increases security by preventing deployments that don't meet organizational policy.

Security

SAML Integration

Login to env0 and sync teams using your organizations unified authentication platform. Manage RBAC using your SAML provider.

There's nothing worse than having multiple authentication systems for your organization. So env0 can make use of your authoritative system already in place.

Self-Hosted Agent and Agent-Per-Project

Increase deployment flexibility while maintaining separation, security, and compliance by moving execution inside your boundary.

Greater divison of responsiblity and ensuring network access to dev, stage, and prod environments remains separated for runners as well.

SOC Type 2 Compliant

Ensure your data is protected, and you meet your third party compliance requirements.

Meet internal or externally mandated compliance standards.

Cost

Resource Tagging

Improve auditing and ownership tracking with automatic tagging of appropriate Terraform resources based on the project and environment they are part of.

Improved transparency, auditing, and accountability for deployed environments.

Cost Management and Estimation

Learn the cloud resource cost of existing Terraform plans, gain visibility, and model costs resulting from new or updated deployments with our patented technology, backed by industry leader Infracost. View deployment cost regressions, and spending by project or team.

The convenience of cloud, with the visibility of predicted and actual cloud infrastructure costs.

GitOps

Apply on Push / Merge

Automatically deploy infrastructure changes after a VCS push or merge to prevent drifts and avoid misconfigurations.

Ensure that the running infrastructure matches the IaC definitiion. Helps avoid drift.

Plan on Pull Request

Gain visibility to the Terraform or Terragrunt plans for all pull requests—including cost estimates.

Ensure all aspects of a pull request are understood and evaluated before approval and merging.

Automatic Drift Detection

Automatically detect environment drift and ensure realworld cloud resources align with your IaC definition and descriptions.

Knowledge and insight into how things might be changing (when possibly they shouldn't be) in your infrastructure. Aid in implementing and ensuring ongoing IaC best practices.

About env0

env0's collaborative remote-run workflow management platform automates and simplifies the governance of cloud deployments for Terraform, Terragrunt and IaC frameworks.

env0

SOC 2 TYPE 2