

# Achieve the fastest path to cloud value and secure cloud scale with automated infrastructure

## Enhance Cloud Security with Prisma Cloud and Terraform

In the ever-evolving world of cloud infrastructure, ensuring robust security and compliance is paramount. We are thrilled to announce the better together solution of Palo Alto's Prisma Cloud with HashiCorp's Terraform, a combination that promises to revolutionize how you manage your cloud environments.

This integration integrates Prisma Cloud with Terraform to enforce a robust policy-as-code framework for Terraform workspaces using the Sentinel language. It aims to ensure that all Terraform runs are free from risky configurations by leveraging Prisma Cloud's scanning capabilities for misconfigurations against default, out-of-the-box, and custom policies.



## Enhancing Infrastructure Management

Terraform is deployable on-premises or in public clouds. It manages multiple infrastructure resource collections through workspaces, unlike the local Terraform CLI, which uses a single working directory. Terraform allows for the creation of multiple workspaces, each governed by specific policy sets configured through version control systems (VCS).

Prisma Cloud provides comprehensive cloud security and compliance, scanning Terraform configurations for misconfigurations against its extensive policy library. Integrating Prisma Cloud with Terraform ensures that any configuration violations are detected and mitigated before deployment.

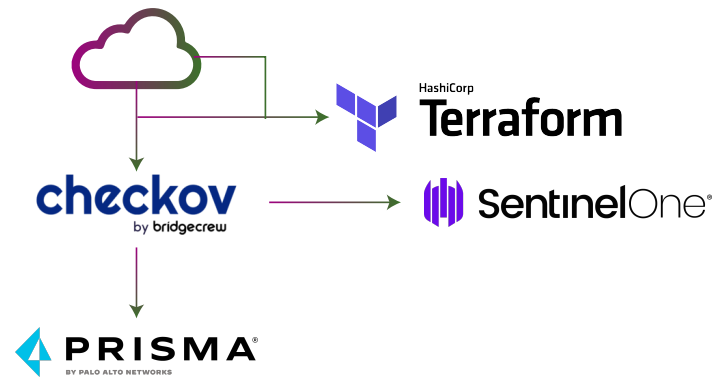
## Checkov Policies through

Use Sentinel to enforce Checkov via policy-as-code across Terraform workspaces.

Prisma Cloud scans Terraform configurations for compliance with Checkov policies, preventing any Terraform runs that would create runtime security risks

Administrators can create and manage multiple workspaces, each with specific policy sets in Terraform. Policy sets are groups of policies applied to workspaces and can be customized for selective or global application across all workspaces.

## Solution Components



## Run Tasks Integration

Run Tasks in the Terraform process run through multiple stages: pending, plan, cost estimation, policy check, apply, and completion.

Prisma Cloud integrates with Run Tasks to monitor the status of each run, reporting pass or fail statuses accessible via the Prisma Cloud console.

With streamlined output, when Prisma Cloud fails a run, it will show the correction required in Terraform so that platform engineers can make the appropriate changes within the Terraform modules.

The integration ensures continuous compliance checks during the Terraform run lifecycle, enhancing the security posture by preventing misconfigurations before they are applied.

## Solution Benefits



### Enhanced Security

Ensures all Terraform configurations comply with defined security policies before deployment.



### Automated Compliance

Automates compliance checks throughout the Terraform run lifecycle, reducing the risk of human error.



### Centralized Management

Provides a centralized view of Terraform run statuses and compliance reports through Prisma Cloud.



### Scalability

Easily scalable across multiple workspaces and environments, supporting complex infrastructure setups.

### About Nuaware

Nuaware, an Exclusive Networks company, specializes in DevSecOps, providing seamless access to best-in-class technologies. As a value-added distributor, Nuaware enables organizations to adopt modern security architectures with a shift-left security approach and managed cloud security, supported by the appropriate technologies, training, and a robust partner ecosystem.

### About Prisma Cloud

Prisma Cloud is a comprehensive cloud security and compliance solution that provides visibility and control over your cloud infrastructure. It offers a broad range of capabilities, including the ability to scan configurations for misconfigurations against an extensive policy library.

### About Exclusive Networks

Exclusive Networks (EXN) is a global cybersecurity specialist that provides partners and end-customers with a wide range of services and product portfolios via proven routes to market. With offices in over 45 countries and the ability to serve customers in over 170 countries, we combine a local perspective with the scale and delivery of a single global organisation.

### About Terraform

Terraform is an infrastructure as code tool that is deployable on-premises or in public clouds. It allows for the management of multiple infrastructure resource collections through workspaces, enabling efficient and organized infrastructure management.