Terraform Integration

For supported software information, click here.

Terraform is an open-source infrastructure-as-code software tool developed by HashiCorp. Users define and provide data center infrastructure using a declarative configuration language known as HashiCorp Configuration Language (HCL), or optionally using JSON. Terraform allows users to create, manage, and provision infrastructure resources acrossa wide range of cloud providers and services, such as AWS, Azure, and Google platforms.

The Versa provider plugin for Terraform, terraform-provider-versa, makes a collection of related resources available. It is responsible for API interactions with the Versa orchestration services provided by Versa Director and Concerto. By exposing resources based on the API, Versa Terraform providers programmatic control over the entire VOS ecosystem from campus to cloud. The terraform-provider-versa plugin manages logic for creating, reading, updating, and deleting (CRUD) all Versa resources. Using the terraform-provider-versa plugin, Terraform can handle the entire lifecycle and state management.

Versa exposes declarative modules to accomplish different tasks, including the following:

- Creation of a basic (master) profile, workflow templates, and service templates
- Creation of predefined and custom objects, including address, address groups, applications, URL categories, ATP (sandboxing), vulnerability, IP-filtering profile, IP reputations, antivirus profiles, file-filtering profiles, CASB applications , proxy applications, DNS filters, and EIP objects
- Lifecycle management and operations—Upgrades, OSS pack updates, security package updates, real-time updates, patching, and alarm notification
- Managing role-based access control, appliance user management, and custom permissions

Software Release Information

Releases 11.1.1 and later support all content described in this article.