

# Signal Sciences + Terraform

## Summary

DevOps teams that want to further automate the management of Signal Sciences in production can use HashiCorp Terraform scripts to create, read, update, and delete resources such as rules, lists, and alerts.

## Empower DevOps teams to automate managing Signal Sciences

Organizations that are expanding their cloud infrastructure can face structural blockers to exponential growth: how to scale and manage their web services within a centralized environment without sacrificing speed and security. A multitude of teams and rulesets spread across applications can create bottlenecks for growing companies that leverage automation to keep rapid deployments from slowing down.

Terraform is an infrastructure-as-code tool that allows developers to provision and manage any cloud, infrastructure, or service. This popular CLI tool empowers developers to easily utilize a product's API and run automated scripts on a single platform—all while providing safeguards for user access and authentication. With this automation, DevOps teams can manage their cloud infrastructure services without heavy internal lift.

The Terraform provider for Signal Sciences allows customers to manage and maintain Signal Sciences Next-Gen WAF through Terraform. This gives DevOps teams the ability to automate processes. The Terraform provider for Signal Sciences allows customers to manage and maintain Signal Sciences Next-Gen WAF through Terraform, giving DevOps teams the ability to automate processes and interact with our console through our robust API.

# Features

- **Easy Installation:** As a verified Terraform provider, the Signal Sciences provider will be listed on the [Terraform registry](#) for ease of installation and use.
- **DevOps-focused workflow:** DevOps teams can leverage Terraform to automate the management of Signal Sciences alongside their other DevOps services and workflows.
- **GitHub integration:** Code reviews and rollbacks are managed through GitHub, a leading software development management and code hosting platform for version control and collaboration.
- **Scalability:** Signal Sciences customers with multiple workspaces, unique rulesets, and security lists can manage their agent deployments easily and more efficiently with Terraform.

# Benefits

- **Lower TCO:** Many organizations already use Terraform to manage other cloud and infrastructure services. With this provider, Terraform users can incorporate the management of Signal Sciences in their existing DevOps workflows. Organizations with many applications can avoid hiring additional staff to manage their WAF thanks to improved operational efficiency with this automation.
- **Time Savings:** Automated scripting through Terraform reduces or eliminates the time normally spent in the Signal Sciences console to manage signals, rules, and lists. Other processes such as replicating rulesets that are normally done manually through the console can be automated with the Signal Sciences Terraform provider.
- **Reduced risk:** Terraform Cloud automates infrastructure changes through Github's pull-request workflow, providing greater visibility into user activity, code reviews with an audit trail, and the ability to roll-back changes should issues arise.

Signal Sciences customers can get started with our Terraform Provider scripts by visiting <https://registry.terraform.io/providers/signalsciences/sigsci/latest>



# About Signal Sciences

With its award-winning next-gen WAF and RASP solution, Signal Sciences protects more than 40,000 applications and over a trillion production requests per month. Signal Sciences' patented architecture provides organizations working in a modern development environment with comprehensive and scalable threat protection and security visibility. The company works with some of the world's most recognizable companies, as indicated on the company's website, including Duo Security, DataDog, Under Armour, Twilio SendGrid, and Doordash. Signal Sciences is also named a Forbes Next Billion-Dollar Startup and received the 451 Firestarter award, InfoWorld's Technology of the Year, and Computing's DevOps Excellence Award for Best DevOps Security Tool. For more information, visit [Signal Sciences website](#) or follow [@Signal Sciences](#).

# About Hashicorp / Terraform

HashiCorp is the leader in multi-cloud infrastructure automation software. The HashiCorp software suite enables organizations to adopt consistent workflows to provision, secure, connect, and run any infrastructure for any application. HashiCorp's open source tools Vagrant™, Packer™, Terraform®, Vault™, Boundary, Consul®, Nomad™, and Waypoint™ are downloaded tens of millions of times each year and are broadly adopted by the Global 2000. Enterprise and managed service versions of these products enhance the open source tools with features that promote collaboration, operations, governance, and multi-data center functionality. The company is headquartered in San Francisco, though 85 percent of HashiCorp employees work remotely, strategically distributed around the globe. HashiCorp is backed by Bessemer Venture Partners, Franklin Templeton, Geodesic Capital, GGV Capital, IVP, Mayfield, Redpoint Ventures, T. Rowe Price funds and accounts, and True Ventures.

For more information, visit <https://www.hashicorp.com> or follow HashiCorp on Twitter [@HashiCorp](#).

