Cisco Firepower REST API

Manage Cisco Firepower Policy from Third-Party Platforms

Enterprises typically use dozens of security technologies simultaneously. These include tools that collect policy and security posture information from a variety of sources. The Cisco Firepower™ REST API allows a broad range of applications to access and parse policy, important policy elements, and objects from the Cisco Firepower Management Center platform and connected Cisco Firepower devices.

The REST API is a powerful tool for customers using either proprietary management platforms or firewall policy management (FPM) and network security policy management (NSPM) solutions from vendors like AlgoSec, FireMon, Skybox, and Tufin. FPM, NSPM, and similar technologies can use the read and write functions of the API to perform a wide range of management functions. These range from complete policy migration to working with specific Cisco Firepower elements such as audit records, device and group information, physical interfaces, and virtual switches.

The Cisco Firepower technology's extensibility and capability to work with external management applications make it practical for a customer running multiple firewalls at the same time. They also ease the transition to Cisco Firepower from a previous technology.

Improve Both Efficiency and Security

Next-generation firewall policy is available for external management and risk modeling through a single REST API. Managed security service providers (MSSPs) delivering services for Cisco Firepower customers can use the API to increase efficiency in their large multitenant infrastructures. MSSPs can easily perform customerwide policy updates.

For end customers, this efficiency can dramatically improve security. They get the latest policies operationalized on their Cisco Firepower next-generation firewall much more quickly, reducing the opportunity for attackers.

Next Steps

To learn more about the Cisco Firepower's REST API visit: https://developer.cisco.com/site/firepower/.

For information about strategic partners that work with the Cisco Firepower APIs and other Cisco Security Technical Alliance (CSTA) partner integrations and benefits, visit: http://www.cisco.com/c/en/us/products/security/partner-ecosystem.html.

Benefits

- **Access and manage** complete Cisco Firepower firewall policies and policy components

- **Easily export** Cisco Firepower policies

- **Gain read and write access** to Cisco Firepower Management Center's critical policy and management components

- **Use the API's lightweight and flexible operation** for security management and risk-modeling applications

- **Manage Cisco Firepower deployments** where multiple firewall technologies are used

- **Allow granular policy management** by external applications