Rohde & Schwarz Cybersecurity

MANAGEMENT CONSOLE

Centralized configuration, management and monitoring of all instances in R&S®Web Application Firewall

Quite often, businesses lack insights about what is happening in their system. They need up to date information about what is going on, like real time data about any attack that might have occurred. Application layer attacks are common due to the massive attack surface of layer 7. Therefore, this OSI layer needs to be monitored meticulously in real time.

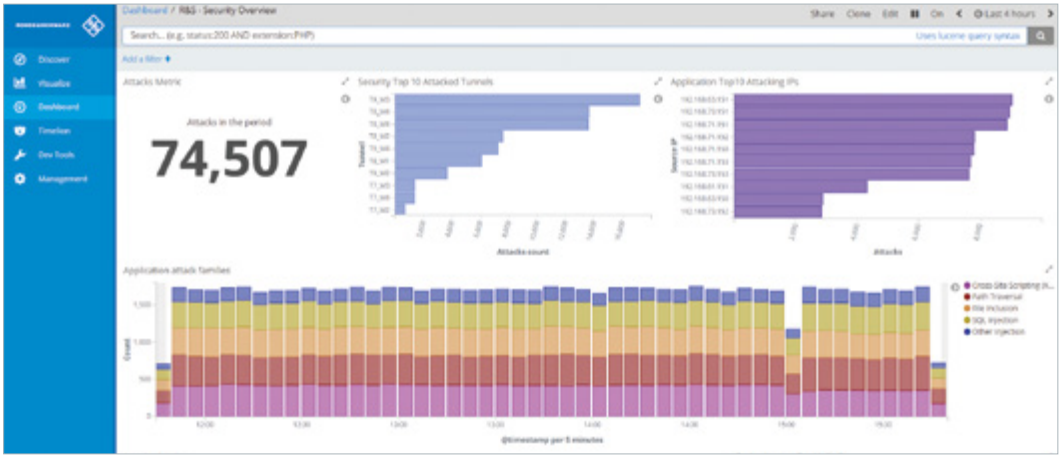
Businesses find it difficult to track log messages and their flow. Being concerned about their data security, administrators want to be able to centrally configure, manage and enforce consistent security policies. Therefore, there is a demand for a unified solution that is easy to deploy in the cloud and provides a simplified way to manage all the administrative aspects of users' instances. This is where the centralized Management Console comes into play.

Solution overview

The Management Console is an integral part of the R&S®Web Application Firewall used to implement and supervise centrally deployed security policies.

It synchronizes configurations on managed servers with centralized security policies and eliminates the need to configure a separate workflow for each application by leveraging a generic workflow for all the Web Application Firewall instances. It also provides dashboards, drill-down investigation features and logs treatments out of production boxes. It is responsible for the collection, storage, analysis and correlation of a very high number of logs and events. Analyzing the logs provides information about any unexpected behavior or error. In addition, the dashboards provide personalized views for different users to analyze the performance of their components.

The Management Console helps in real-time administration of one or more Web Application Firewall instances and allows flexible and hybrid deployments. However, the main advantage of it is that it brings together all the features mentioned before in one centralized interface for the management of the R&S®Web Application Firewall. This further reduces repeatable tasks and operational expenses by saving valuable time and resources.



Security overview dashboard

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Make ideas real

Benefits

Centralize

- Easy management of all applications protected by R&S®Web Application Firewall

  In heterogeneous environments, it is the single steering point for monitoring all homogeneous policies therefore amortizing costs across customers. Thus, it ensures consistent central governance of the security policies and exceptions. In addition, it lets businesses centrally manage logging functions.

- Integration of a Web Application Firewall in a DevSecOps approach using API orchestration & Terraform

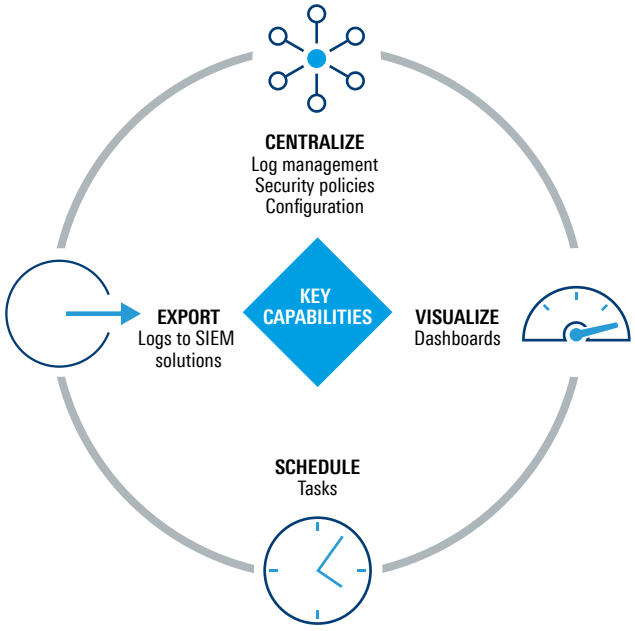
  It automates infrastructure deployment and configuration to help users set up Terraform template using Infrastructure as Code approach. This is more time saving compared to the manual methods used by traditional IT teams.

- Administration of all instances

  The Management Console makes hybrid deployments (on premise + cloud) efficient to manage with its centralized control of Web Application Firewall administrators. It allows easy switching of applications to different instances with just a few clicks (pre-production to production, etc.). Moreover, it is built in an intelligent way to avoid being Single Point of Failure (SPOF), ensuring that all the managed instances are autonomous.

- Application production performance by a dedicated management installation

  It separates administration and supervision from the processing of production traffic. This logical separation of duties creates a robust system, which ensures that the security of the traffic and application assets are never compromised. Thus, it maximizes performance of the production instances by handling the most resource-consuming operations itself.



Key capabilities

Visualize

- Advanced customizable dashboard & reporting web platform

  It provides comprehensive dashboards for administrators to quickly and easily interpret the operational status about their systems. The dashboards include information about blocked attacks and web traffic, identification of the most targeted sites, response time, errors, and event logs thus helping in the advanced management of their security level.

Schedule

- Repetitive and time consuming management tasks

  It lets businesses schedule automated tasks on boxes, such as exporting logs and performing backups to external file systems. This leads to an autonomous system that runs without much human intervention.

Export

- Logs to SIEM solutions or view them in the console

  It allows businesses to export logs to SIEM solutions in order to meet the security and analytics requirements of their organization. This helps them detect threats and analyze critical security events using advanced capabilities.

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Management Console
Data without tolerance limits is not binding | Subject to change

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