

SOLUTION BRIEF

Fortinet and BackBox Integrated Security Solution

Security Without Compromise With Centralized Management for Device Configuration Backup

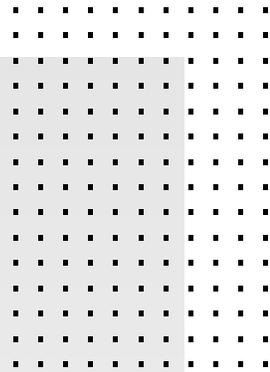
Challenges

Business digitalization is impacting how companies do business, and how employees and consumers interact with organizations. As networks adopt new technologies and solutions, they are becoming increasingly complex. Trying to manually manage and support all network and security devices to ensure business continuity can often be difficult, time-consuming, and prone to error. With cyber threats a continuous source of concern, security devices cannot afford any downtime. Failure to back up network device configurations can result in significant network downtime and lost business opportunities. With the automated backup of configuration settings and routine performance audits, security settings on all network devices remain secure. And, in case a device on the network does fail, automated backups and timely resolution can significantly shorten recovery time. Security for today's network infrastructure demands a smart solution that can provide the combined benefits of backup, recovery, and automation across all security devices across the network for unified management.

Joint Solution

The Fortinet and BackBox integrated solution addresses the above challenges, by leveraging the Fortinet Security Fabric. The Fortinet Security Fabric is designed around a series of open application programming interfaces (APIs), open authentication technology, and standardized telemetry data to enable organizations to integrate existing security technologies via open interfaces and provide end-to-end security without compromise. The integration with BackBox allows for automated backup and recovery of FortiGate, eliminating the need to either manually back up devices or customize in-house scripting, thus minimizing downtime when recovery is needed. BackBox collects asset information from FortiGate and then reports on inventory information, including license serial number and more. BackBox can change operating system-level parameters on multiple devices with a single click, providing customers or administrators with the option of delegating administrative tasks to individuals who do not require full policy access, in turn minimizing human errors that could lead to configuration errors. BackBox also provides seamless integration to meet with specific company and industry standards and requirements. The combined offering of FortiGate and BackBox is additionally complemented by FortiCare services. Audit services by FortiCare measure operational performance of a firewall in the customer's production environment supplemented by personalized reports, it provides a firewall review to identify issues and provide configuration-tuning recommendations that create a solid foundation from which to evolve the security infrastructure.

The Fortinet Security Fabric ties all of these products and services together to provide enterprises and service providers with a seamless and integrated security posture for their growing and ever-evolving security infrastructure.



Joint Solution Benefits

- Fortinet FortiGate
- BackBox Network Device Backup

Key Benefits

- **Single-Click Offline Recovery**
Recover a FortiGate gateway even if it is offline and has no connection to the FortiManager
- **Multi-Tenancy**
Assign automation processes to groups based on device ownership
- **Pre-emptive Health Checks**
Monitor FortiGate gateway and alert on application-specific problems
- **Task Automation**
Bulk, administrative job execution (upgrades/ patches/ changes/IP and Asset Management)
- **Compliance**
Vendor and regulatory out-of- box and customizable best practices
- **Reporting**
Automated and customizable inventory reports for the FortiGate devices



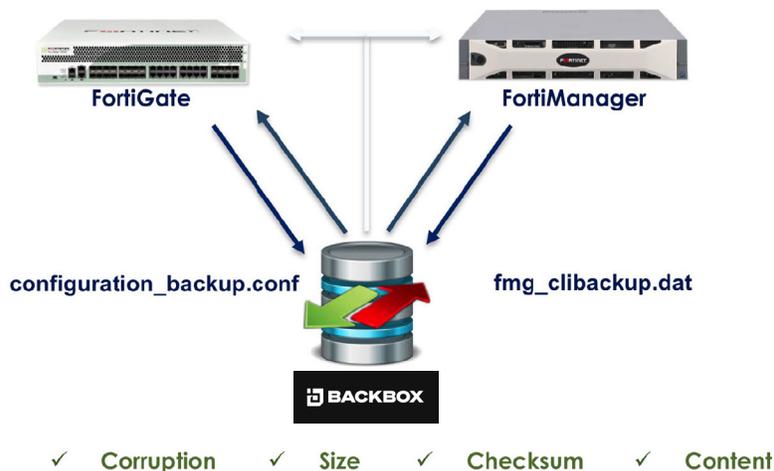


Figure 1: Integration of Fortinet and BackBox to enhance operational efficiency.

Use Cases

Use Case 1: Backup Verification and Visibility with PSE

■ The Solution

BackBox was able to provide PSE with a solution that gave a single view for all of their backups from a multivendor environment. This functionality enabled PSE to have centralized visibility of all the backup and recovery results and easily extract information if something went wrong.

■ The Results

Since implementing BackBox, PSE is now able to carry out a check in seconds and they no longer have to dig through scripts, saving the company time and resources. They also have peace of mind that their backups will restore successfully and with an added level of security by encrypting the credentials.

The process for troubleshooting issues has become much more simplified. With all the different checks that BackBox conducts, PSE can monitor when a backup happens and what occurs during the backup, remediating issues if required. By providing PSE with this functionality, BackBox has significantly improved their backup effectiveness and reliability. In addition, the BackBox intuitive GUI interface provides PSE with the ability to just “click” here and “click” there to back up and restore any device on their network simply and easily.

Use Case 2: Disaster Recovery Automation

■ The Solution

BackBox offered the only solution in the market that could provide such flexibility and support all the different security solutions that Leumi Card needed to back up. The versatility of the BackBox offering enabled Leumi Card to add a new security device that wasn’t originally supported within minutes. The simple, easy-to-use functionality meant that Leumi Card did not require additional assistance from the device vendor or integrator, saving time, money, and dedicated resources.

■ The Results

Since BackBox successfully provided Leumi Card with a solution that facilitated an easy way to automate disaster recovery for all their security and network devices. BackBox also ensured that all of Leumi Card’s network solutions were securely backed up with little to no maintenance required

BackBox

BackBox provides an intelligent way to automate disaster recovery procedures through a single, central repository for all network and security devices. Our solution simplifies the way organizations maintain their network by offering the ability to automate every aspect of day-to-day manual procedures including: automated backup and secured storing of device configurations, single-click device recovery, real-time inventory and asset management, custom task automation, and pre-emptive device health checks for all your critical network and security devices within the enterprise.

FortiGate Enterprise Firewall

FortiGate NGFWs are network firewalls powered by purpose-built security processing units (SPUs) including the latest NP7 (Network Processor 7). They enable security-driven networking and are ideal network firewalls for hybrid and hyperscale data centers.

Summary

Today, businesses seek comprehensive network automation. Automating key services can be critical to avoiding network downtime—starting with ensuring that all devices on the network are configured correctly to provide the necessary connectivity and security. Automation is the key to improving service availability to enable teams to focus on higher-level, strategic activities that help the business, in turn reducing operational expenses (OpEx), making the business as a whole more agile and competitive.

About BackBox

BackBox is the leading provider of automated infrastructure backup and recovery solutions. Spanning the diverse network and security landscape, BackBox verifies all supported device configuration files, stores them securely in one central location, providing speedy recovery when required. BackBox provides real-time inventory, configuration comparison, and is ideal for any organization, multi-tenant sites, and service providers. More information is available at www.backbox.com.

