BACKBOX

SOLUTION BRIEF

f5®

F5 and BackBox Integrated Network Automation Solution

Trusted Network and Security Device Automation

Integration Highlights

- Automate OS updates and vulnerability patches for F5 devices across your network in a timely manner, to prevent exposure to known vulnerabilities. This includes automating multistep updates and support for older devices.

- Automate backup of F5 BIG-IP and other security devices. Each backup is validated to ensure its integrity and can be restored with a single click. Backups and restores become so simple, they can easily be incorporated into any potentially destructive automation for rapid recovery.

- Backups can be stored off-site and encrypted with a longer history of backups saved to help with troubleshooting or in the event of an undetected vulnerability.

- Fully support CIS Benchmark compliance out-of-the-box, including an initial gap-analysis, ongoing automated configuration audit, drift prevention, reporting, and optional automated remediation.

- Ensure your CMDB is always up-to-date and that security vulnerabilities don't go undetected with Dynamic Inventory capabilities.

The Challenge

Modern enterprise-class networks are incredibly complex and require constant changes to maximize uptime and minimize vulnerabilities. This complexity is exacerbated by the pace of change within networks to support new applications and services for businesses and their customers. Manually automating the configuration of all network and security devices to ensure business continuity can often be difficult, time-consuming, and prone to human error.

In fact, 92% of our customers say they face more updates to their networks than they can accomplish.

Network and security devices require constant OS updates, patches, and configuration changes to protect from vulnerabilities. Failure to perform these updates in a timely manner exposes the network to security threats and the potential for costly downtime. In the absence of regular backups, which often happens when backups are complex to perform or require manual steps, networks experience slower recovery from downtime following outages.

The Solution

To tackle these challenges, organizations need a trusted automation platform that can make repetitive network tasks efficient and reliable, works with existing network architecture and operations, and scales for both enterprise and MSP deployments.

BackBox delivers such a platform with out-of-the-box capabilities for backup, OS updates,

- Automated, verified OS upgrades of F5 BIG-IP devices to protect from vulnerabilities.
- Automated, validated backups for F5 BIG-IP devices.
- Single-click restore and disaster recovery.

- Validation and automatic remediation of configurations against policies and regulations.
- Automated discovery of newly connected F5 BIG-IP devices for easy asset management.

BackBox Network Automation Manager

BackBox is the most trusted network automation platform, focused on automating network security and operations at scale for enterprises and Technology Services Partners.

Flexible automation empowers our customers to enhance the health, performance, and security of over 100,000 networks worldwide.

We believe that network automation should be easy and reliable, providing our customers with unprecedented time savings and reduced risk.

F5 BIG-IP Application Services and VIPRION Platform

Use Case 1

Challenge:

OS updates and patch management is a critical aspect of maintaining network security. The versions of OS that run on the network infrastructure must be closely managed to ensure continuity of service and remediation of known security vulnerabilities. But manually keeping track of the frequent OS updates and patches of network and security devices is getting more challenging, especially with limited resources.

Solution:

BackBox offers automated OS updates and patches for F5 BIG-IP devices, and will do the same for network and security devices from 180 other vendors, all from a centralized location, and typically with a single automation. This eliminates the need to hop from one tool to another to update different devices, saving time and resources. Users can use BackBox to update the OS of F5 devices, alongside hundreds of devices seamlessly, with a single click.

Use Case 2

Challenge:

With configuration updates getting more frequent due to the acceleration of new threats and malicious actors, it is a challenge to ensure all security and network devices are up-to-date and compliant with CIS Benchmarks, internal policies, and industry regulations.

Solution:

By eliminating the need to manually check device configuration for compliance, BackBox provides contextually-aware automation templates that remove the drudgery and reduce risk by validating that a specific configuration for F5 devices or devices from other vendors meets best practices, and can automatically remediate those that do not. Rechecks can be scheduled to run daily or at

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About BackBox

Backbox is a Network and Security Device Automation Platform that supports over 180 vendors, with thousands of pre-built automations and a scripting-free way to build new ones. Enterprises and service providers worldwide trust BackBox to automate and audit anything an admin could do manually, with reliable automations that are flexible, scalable, and contextually aware. From backups and OS updates to configuration compliance, BackBox gives you confidence that your automations will deliver the expected outcome every time.

Find out more at www.backbox.com

About F5

F5 is a multi-cloud application services and security company committed to bringing a better digital world to life. F5 partners with the world's largest, most advanced organizations to optimize and secure every app and API anywhere, including on-premises, in the cloud, or at the edge. F5 enables organizations to provide exceptional, secure digital experiences for their customers and continuously stay ahead of threats.

For more information, go to www.f5.com