



Red Hat

SOLUTION OVERVIEW

Automate Application Delivery and API Management with F5 NGINX and Red Hat

Combine automation with centralized management to increase the operational efficiency and reliability of application delivery. F5 and Red Hat bring automation to your CI/CD pipeline to get applications to market faster with less risk.



KEY BENEFITS

Accelerate innovation

Deploy applications in minutes, not months, with Ansible automation integrated into your CI/CD pipeline.

Increase reliability

Create test environments faster with automation to ensure applications perform as expected.

Improve consistency

Build repeatable processes for consistent outcomes with network and security policy templates.

Reduce risk

Lessen the risk of errors or misconfigurations, which in turn improves your security posture.

Complex Environments and Manual Processes Slow Innovation

Many organizations release applications weekly or even daily, and the rapid pace combined with the growing complexity of IT environments can lead to issues in production that affect application performance or security.

Unifying the management of application delivery across multiple environments is the first step to increasing reliability through consistency.

Automation increases the speed and efficiency of app releases and reduces errors and downtime so developers can focus more of their time on creating than troubleshooting. Advanced application delivery services also improve the performance and security of your applications through intelligent load balancing, monitoring, and consistent policies and controls. Adding automation makes deploying and configuring these services faster and easier to optimize applications and infrastructure.

Improve Application Scalability, Reliability, and Security

F5® NGINX Plus® supports modern applications and infrastructure with high availability, active health checks, DNS system discovery, session persistence, and advanced security. Using NGINX Plus to improve application performance and security can become even easier through automation with Red Hat® Ansible® Automation Platform. With accurate and repeatable automation, you can reduce app deployment from months to minutes, achieving faster time to value.

KEY FEATURES

Agentless automation

Add automation easily through APIs and validated F5 Collections for Ansible.

Pre-built playbooks

Start using automation faster with playbooks for common use cases such as installation and configuration of NGINX Plus.

Application security

Protect your apps and APIs from advanced layer 7 attacks with comprehensive WAF security and DoS defense.

High availability

Ensure availability for web applications with automatic failover and configuration synchronization for ultimate reliability.

Enterprise-grade load balancing

Optimize application performance with session persistence, active health checks, and dynamic reconfiguration.

Automate Application Delivery for Faster Releases with F5 NGINX and Red Hat

With F5 NGINX Plus and Red Hat Ansible, you can automate development tasks to accelerate innovation. The validated Ansible Collection for NGINX allows you to deploy and configure NGINX Plus, F5® NGINX® App Protect WAF, and F5® NGINX® App Protect DoS instances.

The Ansible Collection for NGINX comes with a series of pre-built playbooks to automate many common use cases, ranging from component configurations to setting up a reverse proxy secured by NGINX App Protect in front of your web servers.

Ansible can automate deployment of NGINX Management Suite, a self-service, API-driven suite of tools that help accelerate app and API deployment and streamline lifecycle management and security. Whether your app is deployed in the cloud, on-premises, or at the edge, NGINX Management Suite delivers holistic visibility and control of NGINX instances, application delivery services, API management workflows, and security solutions.

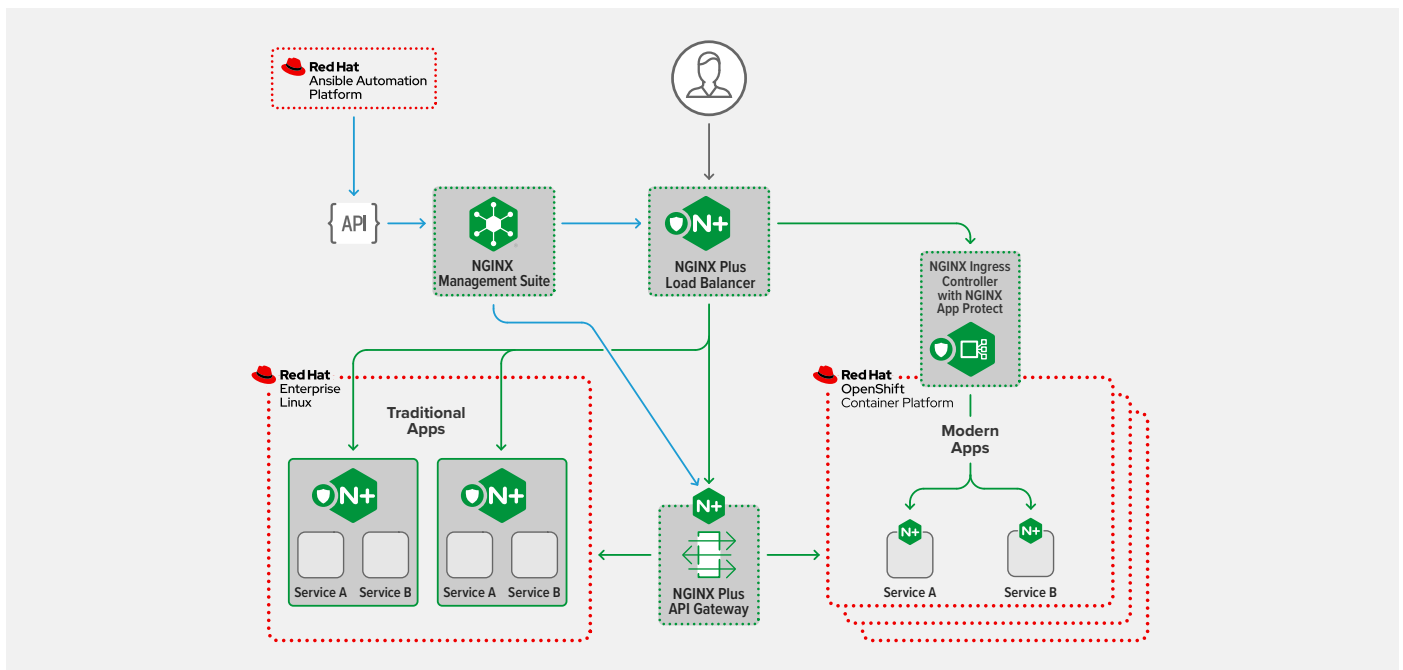


Figure 1: Automate modern and traditional application delivery across multiple environments with NGINX Plus and Red Hat Ansible.



Benefits of F5 NGINX and Red Hat Ansible

Together, F5 and Red Hat can help you increase agility through efficient automation that speeds innovation while reducing risk. Help developers get applications to market faster with test environments that can be easily spun up and down to ensure application performance and reliability. Deploy infrastructure-as-code capabilities into the CI/CD workflow to manage configurations consistently, and templize NGINX configurations and security policies for use by other teams.

With F5 and Red Hat, you can increase collaboration between DevOps, NetOps, and SecOps to deliver secure and reliable enterprise-grade applications faster with easy-to-use automation.

Learn more about F5 and Red Hat's partnership at f5.com/redhat

