



# Network Automation with NetScaler and Red Hat Ansible Automation Platform

NetScaler offers seamless integration with Red Hat Ansible Automation Platform, enabling full automation of application delivery and network management. The integration simplifies complex workflows, ensuring rapid scalability and streamlined network provisioning, while delivering enhanced performance, security, and load balancing — all without additional overhead.

## **Automation for faster application deployment**

In complex hybrid IT environments, automation is essential for accelerating application delivery to release applications faster. By automating repetitive tasks and streamlining workflows, you can improve developer efficiency and significantly reduce application deployment time. NetScaler, a certified Red Hat Automation Platform partner, provides advanced network automation for seamless application delivery in your hybrid IT environment.

## **NetScaler automation with Red Hat Ansible Automation Platform**

NetScaler is an application delivery and security platform that seamlessly integrates with Red Hat Ansible Automation Platform to streamline network automation from Day 0 through N operations, enhancing the speed of application deployment. Ansible Automation Platform facilitates IT automation and eases the migration journey from monolithic applications by automating cloud provisioning and configuration management.

## **Benefits of using NetScaler with Ansible Automation Platform**

### **Automate workflows using infrastructure as code**

By using Ansible Automation Platform with NetScaler, you can define NetScaler configurations as code in playbooks where they are executed as a set of tasks with a single Ansible command.

### **Release applications faster**

Ansible playbooks for NetScaler integrate with your existing CI/CD tools to automate the networking and security configurations for your applications, eliminating repetitive, manual work.

### **Configure NetScaler for application portability**

Ansible playbooks for NetScaler enable repeatable deployments across distributed environments, providing version control and code portability across on-premises and cloud.

### **Automate NetScaler configurations**

NetScaler Next-Gen API is a RESTful API that allows you to programmatically configure NetScaler in a simple and intuitive way. It features an intuitive application-centric interface that abstracts many of the low-level complexities of traditional NetScaler configurations and uses a declarative approach to achieve desired state for hybrid- and multi-cloud application delivery. NetScaler Next-Gen API is ideal for application developers and those who are not networking or NetScaler experts.

### **No NetScaler expertise needed**

NetScaler offers a declarative approach to configuring ADCs that simplifies application delivery and security, whether that's implementing a single NetScaler capability or configuring NetScaler to deliver a complex enterprise application.

### **Nothing additional to install**

Using Ansible Automation Platform with NetScaler is agentless and there is no need to install or maintain any additional software.

## **Use Cases**

### **Accelerate application rollout and enhancements without disruption**

DevOps and application development teams are constantly staging, deploying, and updating complex multi-tier applications. NetScaler application delivery controllers (ADCs) provide critical services such as load balancing, application acceleration, context-aware application switching, DoS protection, and application firewall protection to ensure high availability.

Ansible Automation Platform streamlines the automation of provisioning and configuring NetScaler ADCs so that DevOps and application teams can accelerate application rollout and enhancements without disrupting ongoing business operations.

### **Improve network performance**

Network administrators and IT operations teams are constantly tuning and enhancing network performance to ensure high availability for their applications. Using Ansible Automation Platform administrators can automate hundreds of configuration changes to NetScaler ADCs, quickly improving network performance and eliminating human error that can result from manual configuration.

## Create self-service portals for DevOps and application teams

Platform engineering teams design and build scalable, reliable infrastructure and tools that streamline software development and operations to enhance developer productivity and operational efficiency. Ensuring the system's scalability, reliability, and security to meet the requirements of different development teams while managing diverse technologies and controlling costs adds to the complexity of their mission.

By leveraging the out-of-box integration between Ansible Automation Platform and NetScaler to create self-service portals, platform engineering teams can empower DevOps and application teams by providing direct access to the tools, resources, and services they need without requiring intervention. This helps the teams automate the provisioning, configuration, and deployment of test and production environments on-premises and in the cloud.

## Improve collaboration between teams

Ansible Automation Platform's automation language and easy-to-learn playbooks make it easier both for application and IT operations teams to automate NetScaler updates. Additionally, Ansible Automation Platform's building-block approach to creating playbooks simplifies orchestrating NetScaler configuration tasks for complex application deployment and infrastructure upgrade projects.

## Conclusion

In increasingly complex hybrid IT environments, the integration of Ansible Automation Platform with NetScaler is an elegant solution for automating application delivery and management tasks. It empowers application development teams to efficiently stage, deploy, and update sophisticated multi-tier applications, ensuring both speed and reliability without disrupting critical business operations. Together, Ansible Automation Platform and NetScaler help you release and update applications faster and easily port applications across environments by automating workflows — without needing to have networking or NetScaler experience.

## About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.



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