Better together: How Red Hat and NGINX enhance value

NGINX and Red Hat: Invested in creating value together

Providing secure and scalable application delivery are at the core of most organizations, no matter where they are in their journey from monolithic applications to microservices. This is why both Red Hat and NGINX are invested in optimizing for each other's platforms and services.

Almost a third of all websites[1] use NGINX as their web server. This popularity is due to NGINX Plus, NGINX's enterprise-grade solutions for enterprise-grade challenges.

Through the power of NGINX Plus, Red Hat® OpenShift®, Red Hat Ansible® Automation Platform, and Red Hat Enterprise Linux® are optimized to integrate with NGINX services.

NGINX Plus and Red Hat OpenShift scales production-grade Kubernetes

Kubernetes platforms such as Red Hat OpenShift mandate the use of Ingress interfaces for external traffic entering a cluster. The traffic-routing rules need to be implemented by an Ingress controller.

When an organization moves beyond early-stage use cases where the default Ingress controller is sufficient, that organization needs to upgrade to an enterprise-grade solution that does more than just load balance. This enterprise solution needs to provide production-grade capabilities, sophisticated traffic management, and integration with existing security solutions, ensuring consistent configurations that do not add bloat.

The NGINX Ingress Controller offers all of these features, and is seamlessly integrated with Red Hat OpenShift through the certified NGINX Operator and enhanced with NGINX Plus. This integration provides the power of the NGINX Ingress Controller and can be used alongside the default Red Hat OpenShift router allowing further customization of data and control plane traffic.

NGINX Controller and Red Hat Ansible Automation Platform simplify tasks

Automating tasks is not just something that can lead to better organizational efficiency, it can also increase reliability in hardened systems.

That is why it is important that tools such as the NGINX Controller work with Ansible Automation Platform.

NGINX Controller is a control plane solution for managing NGINX Plus instances in multiple environments, offering centralized configuration management for application delivery and API management. You can automate many of the day-to-day tasks of the NGINX Controller by using the Ansible Automation Platform collection for NGINX Controller.

f facebook.com/redhatinc
🐦 @RedHat
in linkedin.com/company/red-hat

1 "Usage statistics and market share of web servers, June 2022." *W3Techs, Date accessed June 1, 2022.*

Some of the roles in the collection support activities such as:

▸ Creating NGINX Plus instances.

▸ Registering NGINX Plus instances with NGINX Controller.

▸ Deploying and configuring NGINX Plus instances as gateways for routing and protecting incoming traffic.

▸ Managing application workspaces.

▸ Configuring components to intelligently and securely distribute traffic to your back-end workloads.

▸ Managing certificates that are distributed by NGINX Controller to the NGINX Plus instances where they are needed.

▸ Retrieving a temporary API token for the NGINX Controller API.

NGINX Controller and Red Hat Ansible Automation Platform simplify tasks

Red Hat Enterprise Linux is a leading enterprise Linux solution. Paired with NGINX Plus, organizations are able to meet high security and compliance needs, such as Federal Information Processing Standards (FIPS) compliance, using just two products, lowering complexity and increasing efficiency.

NGINX works closely with the Red Hat Enterprise Linux team to ensure that compatible versions of NGINX Plus are available the same day as new Red Hat Enterprise Linux releases. And once you install NGINX Plus with Red Hat Enterprise Linux, the NGINX Plus upgrades become like other Red Hat software—this means you can download and install them natively within Red Hat Enterprise Linux, helping you deliver applications quickly.

NGINX and Red Hat are partners in open source

With almost 40 years of experience building with open source communities, both Red Hat and NGINX have the open source community at the heart of all their offerings. Open source software gains its strength from diverse communities of developers around the world, and both NGINX and Red Hat see open source as the future of enterprise solutions.

Learn more about how NGINX and Red Hat work together.

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.

About F5

F5 and NGINX power more than half of the world's applications across all types of environments. When this expertise is combined with Shape's AI-centric insight in mitigating one billion application attacks per day and Volterra's universal edge-as-a-service platform with unlimited scalability, the result is a company that enables our customers to secure and deliver extraordinary digital experiences.