F5 Collection for Ansible

Ansible automation for F5 technology network automation

F5 and Ansible address the modern business need for agility in support of continuous integration and continuous deployment through a comprehensive solution. Ansible provides a simple yet powerful multi-tier automation and orchestration platform, which can help organizations automate application deployment and configuration management, while ensuring repeatability.

Ansible automation of F5 technology allows F5 users to automate their BIG-IP instances. By leveraging the robust F5 BIG-IP API, the Ansible modules are able to automate the most common tasks for managing F5 BIG-IP. Some examples of these tasks are: initial configuration of Big-IP such as DNS and NTP, automating the deployment of HTTP and HTTPS applications for speed and accuracy, and managing virtual-servers, pools, monitors and other configuration objects.

Executive summary

Modern application delivery demands faster network administration to keep up and accuracy to get it right the first time. F5 and Ansible have made that possible with Ansible automation of F5 technology. F5 and Ansible together are designed to be multi and/or hybrid cloud capable and with scalability baked in.

Product profile

Ansible’s agentless architecture allows for resources to be saved on the BIG-IP devices. Additionally, the already robust F5 API on all F5 devices is what Ansible leverages for a powerful network automation solution. F5’s Ansible Collection will enable the automation of all your F5 BIG-IP devices whether virtual editions or hardware based.
"Developers and architects looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner," said Mike Werner, Sr. Director, Global Technology Partners, Red Hat. "Red Hat certification assures a supportable platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like F5 Networks resulting in the world’s largest open, and commercially supportable application ecosystem."

**Product benefits**

The F5 Ansible certified collections on Ansible Automation Hub provide customers the assurance that automation tasks are fully backed and supported by both F5 and Red Hat. Customers can automate complex application delivery policies without time consuming, repeated manual processes increasing 'time to value' in modern application deployments.

**Use cases**

- Simplify Configuration and deployment of F5 policies
- Automate security and scale
- Simplify complex application deployments
- Maintain consistent, repeatable configurations of F5 & NGINX virtual and physical devices

**Learn more**

Company: F5 Networks  
Email: sales@f5.com  
www.f5.com/redhat

**About Partner**

At F5, our mission is based on the fact that businesses depend on apps. Our long-standing belief that applications are the most valuable assets of any organization in the digital age has been the foundation of our strategy to become the leader in multi-cloud application services. When you combine F5’s and NGINX’s expertise powering more than half of the world’s applications across all types of environments, with Shape’s insight from mitigating one billion application attacks per day, you have a company that knows how to deliver and secure more applications, and more value, than any company in the industry.

**About Red Hat**

Red Hat is the world’s leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.