Computacenter

Red Hat

Automate your IT Service Management, servers, and NetApp storage in a single workflow

With automation services by Computacenter

Computacenter helps NetApp WFA customers address the solution's end-of-life and automate Day 2 storage operations across data centers, in the cloud, and at the edge.

A future-proof Computacenter solution for automating storage configurations

Managing large, modern storage structures requires protocols that determine actions to be taken, who has the permission to implement them, and provide an audit of the whole procedure. To make this process more dynamic, customers use IT Systems Management (ITSM) and automation tools with defined workflows.

Moving on from initial automation deployments to the automation of Day 2 storage operations requires the management of NetApp configurations, whether in private data centers or cloud environments. With NetApp Workflow Automation (WFA) going end-of-life, customers need to find an alternative solution to automate the provisioning and ongoing changes of storage configurations.

"Ansible plays a significant role in NetApp's mission to empower DevOps teams with data, tools, and services that deliver strategic advantage. By working closely with Ansible to release 66 new modules through the Red Hat Ansible Automation Certification Program, we've demonstrated our commitment to providing more consistent developer environments. In a world where the demands on developers' time and resources are exponentially expanding, our collaboration with Ansible delivers the innovation to enable developers to create without waiting on IT teams and, ultimately, maintain their ability to drive business value." [1]

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Biren Fondekar
Vice President, Engineering, NetApp

Build, change, and manage storage infrastructure in a safe, consistent, and repeatable way

Without a pre-defined WFA use case, admin teams must manually configure and change NetApp storage configurations. Computacenter has built WFA use cases based on Red Hat® Ansible® Automation Platform to automate Day 2 NetApp storage workflows on-premise and in the cloud.
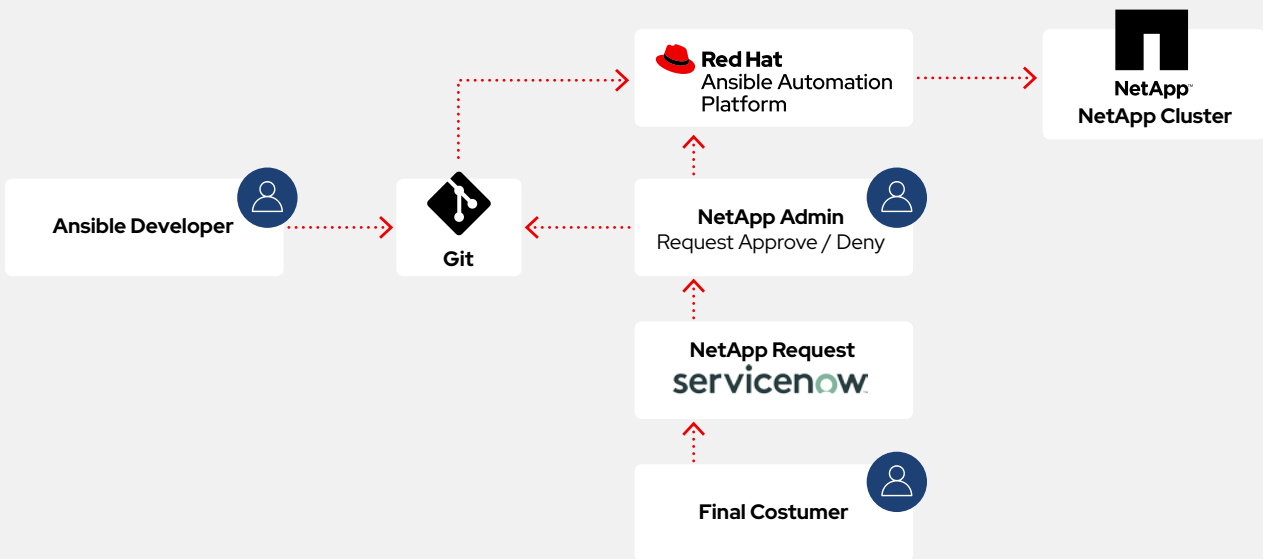
It enables teams to automate administrative tasks within a NetApp environment and add self-service capabilities and business approval workflows through integration with ServiceNow.

1 *Source: Red Hat Extends Confidence and Reliability Through Automation with Ansible Certified Content Program*

Computacenter consulting connects ServiceNow, servers, and NetApp systems in a single automated workflow that enables users to perform simple administration tasks without having to get in contact with each other. By applying DevSecOps best practice, access permission is provided on the basis of each of the following three roles, which reduces the complexity of having to manually control access requests:

1. Ansible Developer: Responsible for the Ansible infrastructure and code, and modifying the Ansible Playbooks for the NetApp Administrator.

2. NetApp Administration: Configures the NetApp infrastructure in Ansible Lists and approves end customer requests.

3. End customer: Makes requests in ServiceNow.

By establishing DevSecOps methodologies on NetApp developed and supported Ansible modules, NetApp administrators can configure storage infrastructure with a simple "push" without needing to know Ansible; they simply need basic knowledge of Git to modify the necessary files.

The following diagram illustrates the high level architecture for automating NetApp operations with Red Hat Ansible Automation Platform and ServiceNow:

A digital future for storage management

By automating NetApp operations with Red Hat Ansible Automation Platform and ServiceNow, companies can ensure that Day 2 operations:

▶ Meet security, agility, and compliance requirements.

▶ Can be monitored, maintained, and easily scaled.

Routine tasks are automated, erasing human error, and allowing engineers to focus on other tasks and new developments. Plus full transparency throughout the request and provisioning chain is achieved.

For more information, visit our website or contact us:

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About Computacenter

Computacenter is a leading independent technology and servicesprovider, trusted by large corporate and public sector organisations. We help our customers to source, transform, and manage their IT infrastructure to deliver digital transformation, enabling users and their business. Computacenter is a public company quoted on the London FTSE 250 (CCC.L) and employs over 20,000 people worldwide. Learn more.

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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