

# 5 areas to automate after configuration management

There is significant value to be gained by a broad and unified automation-first approach that looks to strategically connect islands of automation and orchestrate processes and workflows across your IT domains. Red Hat® Ansible® Automation Platform includes certified, supported content from Red Hat and Red Hat technology partners to help accelerate your organization's ability to get up and running with playbooks, roles, modules, and plugins that cover use cases across the enterprise.

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## 1 Application deployment

**Deliver applications more reliably and frequently by automating application deployments.**

Playbooks are descriptions of the desired state of your systems, which are usually kept in source control. They make your installations, upgrades, and day-to-day management repeatable and reliable.

- ▶ Deploy multitier applications reliably and consistently, all from one common framework.
- ▶ Configure needed services and push application artifacts from one common system.
- ▶ Use Red Hat Ansible Automation Platform with Red Hat OpenShift® to get the same common language to automate and orchestrate applications across environments.
- ▶ Gain scalability for your containerized applications by automating container orchestration. Ansible and Kubernetes both use yet another markup language (YAML) to describe a desired state. Create [Ansible-based operators](#) to manage containers.

## 2 Security

**Investigate and respond to threats using a curated collection of modules, roles, and playbooks.**

Strengthen your security and get ahead of attacks with automated processes to enrich investigations and improve incident response times to minutes or even seconds instead of days.

- ▶ Collect logs across firewalls, intrusion detection systems (IDS) and other security systems programmatically.
- ▶ Automatically tune logging levels and create new IDS rules and new firewall policies to facilitate the detection of more threats in less time.
- ▶ Manage vulnerabilities and compliance across multivendor infrastructures.
- ▶ Explore Ansible integrations for [security](#).

## 3 Infrastructure

**Build, provision, and manage infrastructure.**

Automate your infrastructure from physical to virtual to cloud, saving resources and simplifying management of workloads across Red Hat Enterprise Linux®, SAP S/4HANA®, storage, and more.

- ▶ Manage both Microsoft Windows Server and Linux.
- ▶ Provision and configure virtual machines and storage.
- ▶ Explore [infrastructure automation](#) with Ansible integrations.

## 4 DevOps

### Help your network team to participate in DevOps.

Standardize one tool for developers, IT operations, and your network team to improve operations, reduce downtime, and unify network security and compliance.

- ▶ Deliver a consistent experience across your enterprise regardless of IT role or domain with a single platform.
- ▶ Save, share, and reuse Ansible Playbooks among multiple team members.
- ▶ Explore [DevOps tools](#) integrations.

## 5 The network and edge

### Take automation to the network edge.

Reliably manage hundreds to thousands of sites, network devices, and clusters, from edge locations to core datacenters to cloud environments through a single consistent view.

- ▶ Automate from the datacenter to the edge including edge devices and workloads across different environments.
- ▶ Benefit from the flexibility Ansible Automation Platform provides to meet the often limited physical space and power requirements of edge deployments.
- ▶ Extend security controls from the datacenter to the edge, while maintaining proper security postures, governance, and compliance.
- ▶ Scale with [automation mesh](#)—a multidirectional, multihopped overlay network that distributes automation across constrained networks, such as demilitarized zones (DMZs) and virtual private clouds (VPCs), to remote endpoints not directly connected to the platform.

### Achieve enterprise-wide automation

Reuse and share trusted content from [100+ Certified Content Collections](#):



### 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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