Red Hat

Evolving automation in your enterprise with Red Hat Services

See how Red Hat helped Cepsa respond faster to competitive threats and market opportunities.

"Automation helped support a positive cultural shift, resulting in better collaboration between teams. . . Red Hat is collaborating with us to implement best practices and learn from their expertise across our entire organization."

Francisco José Martín
Automation Manager,
Department of Exploitation
and Operation, Cepsa

The value of Red Hat Ansible Automation Platform

Automation has shifted from a nice-to-have to a business imperative due to modern business innovation, customer demands, and new competition. Red Hat® Ansible® Automation Platform provides a security-focused, stable foundation for building and operating enterprise-wide automation. Its aim is to connect cross-functional teams while providing a plug-and-play experience between automation developers, engineers, and operations teams. Ansible Automation Platform is built off of Ansible—a powerful, agentless automation tool that automates provisioning, configuration management, and application deployment and orchestrates across on-premise and cloud environments.

Organizations using Ansible Automation Platform have found:

▸ A greater return on investment (ROI).

▸ Increased productivity, like faster deployment of storage resources, reduction in unplanned downtime, and innovation among teams.

▸ Reduced cost and risk from manual errors.

Use Red Hat Services to support your transition

Moving to Ansible Automation Platform is made seamless with the help of Red Hat Services. Our consultants provide hands-on mentoring so teams can learn and adopt methods and skills needed to sustain success. Our experts will quickly, iteratively, and strategically approach automation in a way that delivers measurable value. They can assist you with installing and configuring Ansible Automation Platform and introduce automation to your teams through an automation accelerator engagement.

Automation accelerator engagements allow your engineers to pair programs alongside Red Hat Services to tackle your initial automation use cases. Through this 6-8-week engagement, they will start small and focus on tactical solutions to automate repeatable, predictable tasks for a single team or workflow. The following are some common entry points.

Standard operating environment

This addresses infrastructure standardization using Ansible Automation Platform in conjunction with other tools like Red Hat Insights and Red Hat Satellite. The focus will be on standardizing systems specification and provisioning methodology, like standardized provisioning of known good configurations, deploying baseline images, and establishing a foundational continuous integration (CI) pipeline for infrastructure.

Networking

Our subject matter experts will cover a small subset of network automation use cases, sharing best practices that teams can use to build upon as they add in use cases. Network automation focuses on common practices and reusable playbooks to provision, configure, and maintain network devices

and services across a multivendor network infrastructure. Our experts do an in-depth examination of standardized network environments, accelerated device provisioning and configuration across vendors (switches, routers, and wireless access points [WAPs]), IP address management (IPAM) and domain name system (DNS) management, and load and access control list (ACL) management.

Compliance

This addresses establishing and maintaining known good configurations, like what is deployed where, automated remediation playbooks, compliance profile specification, strategies for maintaining licensing compliance, or adhering to industry-defined benchmarks and regulations. It also integrates Red Hat Insights and Smart Management to incorporate warnings, alerts, and remediation of common vulnerabilities and exposures (CVEs).

Operations

This focuses on automating operations for the IT stack, including automated continuous integration and continuous delivery (CI/CD) pipelines for application and content delivery, creation and publication of services catalogs, and common operational tasks like service expansion, maintenance, and monitoring. This can also include automating accelerated response and diagnostic capture for improved mean time to repair (MTTR), IT service management (ITSM) integration, extended role-based access control (RBAC) capability, logging and monitoring integrations, and streamlined workflows.

Evolving your automation journey

After tackling your initial use cases, Red Hat Services can help you expand automation across more domains and map out what evolving that automation journey will look like.

The automation adoption journey provides the framework, guidance, and proven practices to successfully launch and accelerate your enterprise-level capabilities. Here, Red Hat Services will teach and develop processes to create mature automation content and will work with you to define a unified strategy focused on your unique business needs. While this is occurring, Red Hat Training will help close skill gaps and hone your team's automation expertise.

This journey takes a 3-phased approach to help you:

1. Define your journey and develop automation to support cross-functional efforts. This includes gathering stakeholders to determine automation capabilities, identifying the systems in place that enable automation, and upskilling your teams on new technology.

2. Expand automation using repeatable methods and establish an adoption pilot team. Following this, an adoption core team—a cross-organizational group of experts—will help guide other teams through the process. As you expand technology across the organization, Ansible training will help onboard key teams.

3. Continue to evolve and build adoption core teams dedicated to your organization's optimization, collaboration, and growth. Advanced automation courses will help your teams learn advanced automation techniques as you continue to scale.

The Red Hat Services difference

Mentor-based approach: Red Hat Consulting brings unparalleled expertise and gives clients the information and skills they need to move to Red Hat solutions safely and efficiently. Red Hat believes knowledge must be open and shared, just like source code.

Real-world training: Red Hat Training and Certification develops role-based, hands-on knowledge in emerging and foundational open source technologies. With a comprehensive automation curriculum, your organization can build the skills for long-term success with your automation investments.

One-on-one specialized support: Red Hat Technical Account Management partners with you to resolve potential problems before they occur, minimizing disruption and freeing you to focus on your key business challenges.

Ready to get started? Schedule a complimentary automation discovery session or contact Red Hat Services directly.

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.

North America	**Europe, Middle East, and Africa**	**Asia Pacific**	**Latin America**
1 888 REDHAT1	00800 7334 2835	+65 6490 4200	+54 11 4329 7300
www.redhat.com	europe@redhat.com	apac@redhat.com	info-latam@redhat.com