



# Red Hat Ansible Automation Platform

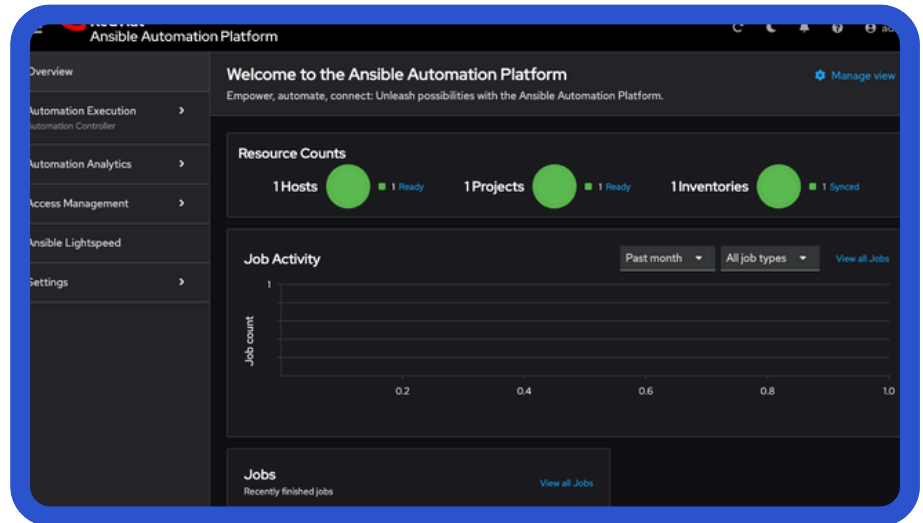
Components

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**Cost Optimization:** Drive operational efficiency by automating repetitive tasks, reducing manual errors, and freeing up IT staff for strategic initiatives

**Enhanced Agility & Speed:** Accelerate application delivery, streamline infrastructure provisioning, and respond faster to market demands.

**Improved Security & Compliance:** Enforce consistent configurations, automate security patching, and ensure continuous adherence to regulatory standards.

**Unified IT Operations:** Break down silos with a single platform for cross-domain automation, enhancing collaboration and consistency.

**Scalability & Control:** Manage automation at enterprise scale with robust governance, reporting, and role-based access controls.

## Red Hat Ansible Automation Platform 2.5 Product Card



Turtini is focused on making  
Red Hat implementations  
successful for operators  
and decision makers

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# Components

## Red Hat Ansible Automation Platform 2.5



Red Hat Ansible Automation Platform is an enterprise-grade solution that provides the tools to manage, scale, and control your automation efforts. It leverages Ansible Core, an open-source automation engine, and enhances it with enterprise features. Its agentless architecture simplifies deployment and reduces overhead.

- **Automation Controller:** Provides a web-based UI, API, and dashboard for managing and monitoring automation. Features include role-based access control (RBAC), auditing, workflow orchestration, and credential management.
- **Automation Hub:** A centralized repository for managing and sharing your automation content, including Ansible Content Collections, execution environments, and custom content. It streamlines content distribution and governance.
- **Ansible Content Collections:** Pre-built, supported content for specific domains (e.g., networking, cloud, security) with modules, plugins, and roles, enabling faster automation development.
- **Execution Environments:** Portable, self-contained container images that provide a consistent and predictable runtime for Ansible playbooks, ensuring automation runs reliably across different environments.
- **Ansible Lightspeed with IBM watsonx Code Assistant:** Accelerates content creation by generating Ansible content recommendations based on natural language input.

### Benefits for Automation Engineers & Operators

**Streamlined Operations:** Automate repetitive tasks, reducing manual effort and potential for human error.

**Consistent Deployments:** Ensure identical configurations across environments, improving reliability and stability.

**Self-Service Capabilities:** Enable other teams to securely execute pre-defined automation workflows.

**Simplified Content Management:** Easily discover, share, and manage automation content across teams.

**Improved Collaboration:** Standardized playbooks and execution environments foster better teamwork.



### Infrastructure Automation:

- **Use:** Provisioning and configuring virtual machines, physical servers, and cloud resources (e.g., AWS, Azure, Google Cloud).
- **Benefit:** Rapid infrastructure deployment, consistent environment builds, infrastructure as code.

### Configuration Management:

- **Use:** Enforcing desired state configurations, patching operating systems, and managing application settings across diverse environments.
- **Benefit:** Reduced configuration drift, enhanced system stability, improved compliance.

### Application Deployment & Orchestration:

- **Use:** Automating multi-tier application deployments, managing updates, and orchestrating complex workflows across various systems.
- **Benefit:** Faster application delivery, repeatable deployments, minimized downtime.

### Network Automation:

- **Use:** Configuring network devices (routers, switches, firewalls), managing network security policies, and orchestrating network changes.
- **Benefit:** Increased network agility, reduced manual network errors, enhanced network security.

### Security & Compliance Automation:

- **Use:** Automating security patching, auditing systems against security benchmarks (e.g., DISA STIG, CIS), and remediating vulnerabilities.
- **Benefit:** Proactive security posture, simplified audit preparation, continuous compliance.

### Cloud & Edge Automation:

- **Use:** Managing resources and services across hybrid and multi-cloud environments, and extending automation to edge locations.
- **Benefit:** Consistent management across diverse cloud footprints, efficient edge device deployment.



### Ansible Lightspeed with IBM watsonx Code Assistant:

- **What:** Offers AI-powered content generation, suggesting code snippets for Ansible Playbooks and roles from natural language input. This accelerates automation development and reduces the learning curve.
- **Why:** Faster time-to-automation, reduced developer effort, democratized automation creation.

### Enhanced Execution Environments:

- **What:** Continued improvements in the stability, performance, and security of containerized execution environments. This ensures automation runs consistently regardless of the underlying infrastructure.
- **Why:** Greater reliability, simplified dependency management, consistent automation execution.

### Expanded Certified Content Collections:

- **What:** Red Hat and its partners continue to expand the library of supported and certified automation content for various technologies (e.g., new cloud modules, updated network device integrations, security content).
- **Why:** Broader automation coverage out-of-the-box, faster deployment of automation solutions, reduced need for custom development.

### Improved Automation Controller Features:

- **What:** Updates often include performance enhancements, improved user experience in the UI, more granular reporting options, and strengthened API capabilities for integration.
- **Why:** Better operational visibility, more efficient management of large-scale automation, seamless integration into existing IT workflows.

### Automation Mesh Enhancements:

- **What:** Continued development in distributed automation capabilities, allowing for resilient and scalable automation across diverse geographical locations and network segments.
- **Why:** Enhanced disaster recovery, localized automation execution, improved performance for widely distributed environments.



# Advantages & Resources

Red Hat Ansible Automation Platform 2.5



**Enterprise-Grade Support:** Backed by Red Hat's renowned global support and extensive expertise in open source technologies.

**Open Source Foundation:** Benefits from community innovation, flexibility, and avoids vendor lock-in, while providing the stability and security of a hardened enterprise product.

**Scalability & Security:** Designed for complex, large-scale enterprise environments with robust security features and granular control.

**Extensive Ecosystem:** Integrates seamlessly with your existing IT investments across infrastructure, cloud providers, network devices, and security tools.

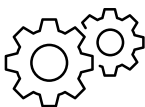
- **For Decision-Makers:** Invest in a platform that accelerates innovation, reduces operational expenditure, and strengthens your organization's security posture.
- **For Procurement:** Secure a continuously evolving, supported, and high-value automation solution that delivers a strong return on investment.
- **For End-Users/Operators:** Empower your teams with intuitive, consistent, and powerful automation tools that streamline daily operations.



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Request a personalized demo to see Ansible Automation Platform 2.5 in action.

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