Automate Linux and Windows machines in AWS through a single platform

Discover complete cloud automation

Ansible Automation Platform can:

- Automate provisioning and retiring resources on demand.
- Ensure consistent configuration and deployment.
- Manage critical workload life cycles.
- Enforce security and compliance at scale.

Learn how Ansible Automation Platform can help you streamline your cloud environment.

Overcome cloud complexity with automation

A significant number of organizations operate Linux® and Windows machines in cloud environments, including major public clouds such as Amazon Web Services (AWS).

These businesses often resort to manually managing a number of difficult and time-consuming processes within their cloud operations such as provisioning, configuration management, updating, patching, and more. Without automation to streamline these processes, significant increases in work hours and risks of human error can occur.

While some might automate their cloud operations with tools available to them through AWS or Windows, this approach often requires specialized skill sets and can create highly customized and isolated automation that is not easily shared or used across an entire organization.

This results in increasingly distributed teams and too often is ineffective at solving the key challenges these organizations face. These challenges include, but are not limited to, the difficulties of consistently operating both Linux and Windows machines in the cloud, the manual Day 2 operations efforts required to manage these systems, and the performance and security issues caused by inconsistencies and configuration drift.

An automation platform that boasts a low learning curve and the ability to create automation that all teams can use and benefit from, such as Red Hat® Ansible® Automation Platform Service on AWS, can help organizations effectively and efficiently automate both Linux and Windows machines in all cloud environments through a single user interface (UI).

Simplify cloud management with Ansible Automation Platform

Ansible Automation Platform allows organizations to automate their cloud deployments everywhere, including hybrid and multicloud environments, without needing to install an agent on automation nodes. This helps ensure speed of delivery, configuration consistency, and enforcement of security and compliance, and delivers better overall business outcomes by:

- Reducing management complexity.
- Minimizing repetitive, mundane tasks.
- Accelerating time to deliver business value.
- Consolidating disparate solutions.
- Aligning teams around a common UI and framework.

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Using Ansible Automation Platform allows you to orchestrate, operationalize, and govern complete hybrid and multicloud workflows—from provisioning and deployment to Day 2 operations and management to policy application and enforcement.

Here are some examples of the capabilities and benefits of automating Linux and Windows in hybrid and multicloud environments with Ansible Automation Platform.

Automate Linux and Windows through a single playbook. Ansible Automation Platform uses automation playbooks that run in all operating environments, with the capability to automatically gather all necessary facts from relevant networks and systems. This ensures you can automate Linux and Windows machines through a single playbook, no matter the operating environment.

Continue to use Chocolatey to deploy applications. Use expert-created modules that leverage Windows' predefined software lists and Chocolatey to automate deployment of applications across your Linux and Windows machines with consistency.

Retain existing PowerShell scripts for orchestration. Many organizations using Windows machines have invested time and money into creating PowerShell automation scripts. Ansible Automation Platform allows you to retain those scripts as part of your automation workflows to maximize your existing technology investments.

Automate Day 2 operations (patching, troubleshooting, etc.). Day 2 operations often require a significant amount of manual effort, such as configuring users, setting up Active Directory, application deployments, or updating a fleet of thousands of machines. Automating these processes allows you to drastically reduce work hours and the risks of human error, and provides mission-critical capabilities, such as updating thousands of servers to patch for a vulnerability already being exploited in the wild.

Automate ITSM event resolution. Using IT Service Management (ITSM) as an event source for Event-Driven Ansible helps reduce downtime, enforces system consistency, and reduces configuration drift. This helps minimize performance, security, and compliance issues, and reduces your threat response time with less human intervention.

Get your business on the path to complete cloud automation

Automate these processes, as well as other common management challenges of operating Linux and Windows in the cloud, Ansible Automation Platform Service on AWS, to manage complexity, minimize repetitive, mundane tasks, speed time to business value, and align your disparate solutions and teams around a common UI and framework.

Discover the cloud automation capabilities of Ansible Automation Platform for both Linux and Windows machines by trying a self-paced lab, starting a 60-day Ansible Automation Platform trial, or exploring your cloud-native options for Ansible Automation Platform in the AWS Marketplace.

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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