

Ansible Automation Platform **Roadmap**





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Product strategy + update







Serve as a mission-critical platform for our customers, by providing enterprise features and strategic ISV integrations for comprehensive, multi-domain automation.



Focus on ease of use, leveraging a re-imagined getting started experience combined with integrated GenAI features to accelerate the onboarding process for platform engineers



Help organizations scale their automation, setting the foundation for strategic automation adoption and accelerating time to value



Red Hat Ansible Automation Platform | Product vision

A unified solution for end-to-end automation across the enterprise



Create

Streamline the process of creating automation workflows for dozens of use cases across IT domains

Manage

Centralize maintenance and management for multi-team deployment with a lower learning curve for all teams.

Scale

Organize automation tasks across all kinds of applications, platforms, and providers to achieve results.



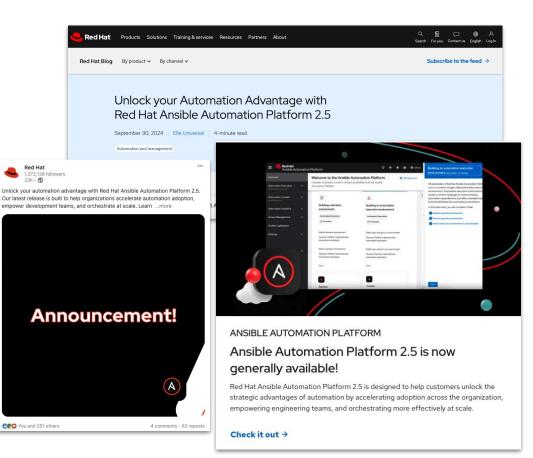
Red Hat Ansible Automation Platform | Use cases

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	Operating systems	Cloud	Network	Application delivery	Virtualization
Provision	 Driver and firmware upgrades Install applications, modify settings and deploy services 	 Provisioning of public cloud resources, virtual networks, subnets and interfaces Create/delete autoscale groups 	 Provisioning of controllers, firewalls, routers, switches, load balancers, access points Datacenter to branch OS updates and compliance 	 Self service infrastructure requests Deployment strategy automation Infrastructure as Code 	 Provisioning of bare metal servers, containers and HPC clusters Install applications, modify settings and deploy services
Configure	 Automated patching and upgrades User access configuration Configuration management Application configuration and updates 	 Virtual machines Serverless functions K8s clusters 	 Deploy standard Network configuration and hardening, Config as Code Automate configuration backups of network equipment 	 Rollback and forward application versions on demand Configuration and lifecycle of On/Off prem resources via SSH, WinRM or API 	 Certificate, entitlement and package management System configuration validation and drift management
Manage	 Maintain OS to best practices and company standards Automate compliance, and vulnerability management while eliminating drift 	 Governance Infrastructure optimization Business continuity 	 Gather facts and create dynamic reports for compliance Health checks and operational state validation triggered by events 	 GitOps Control app deployment in containers Automate moves from dev to test to prod 	 Virtualization layer and hypervisor management Lifecycle management Business continuity Red Hat

Product Delivery Update

Ansible Automation Platform 2.5: GA on September 30th

 Upgrade path from Ansible Automation Platform 2.4:
 Planned GA for October 28th



Red Hat Ansible Automation Platform | Our latest release

Ansible Automation Platform 2.5



Ease of Use

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- > Unified UI
- > Containerized installation
- > Ansible quick starts
- > New collections for managing AAP



Scaling Automation



- > Ansible development tools
- Ansible Lightspeed with IBM watsonx Code Assistant enhancements
- Ansible plug-ins for Red Hat Developer Hub



Mission Critical Platform

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- New and enhanced ecosystem collections + partnerships across all domains
- > Enhancements to Event-Driven Ansible:
 - New event streams for simplified event routing
 - > High availability + scalability
 - Integrated RBAC, SSO + authentication, and credential management



Product roadmap

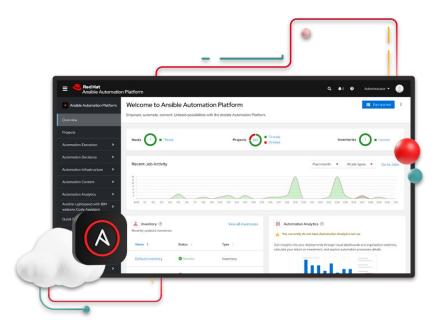




AAP Modernization | Enabling product evolution

Changes upstream enable us to accelerate the product service strategy

- Analytics Service | Counting of indirect and direct devices to make subscription reporting easier for customers
- Content Service | Provides content loaded into AAP including EE builder, templates, projects, templates and workflows populated into UI, and quickstarts to help users start automating as soon as they log in
- Policy As Code Service | Policy as Code deployed as a new service to enable policy based actions in AAP
- ✓ Auth Service | Centralization all of the disparate authentication components from Controller, Hub and EDA

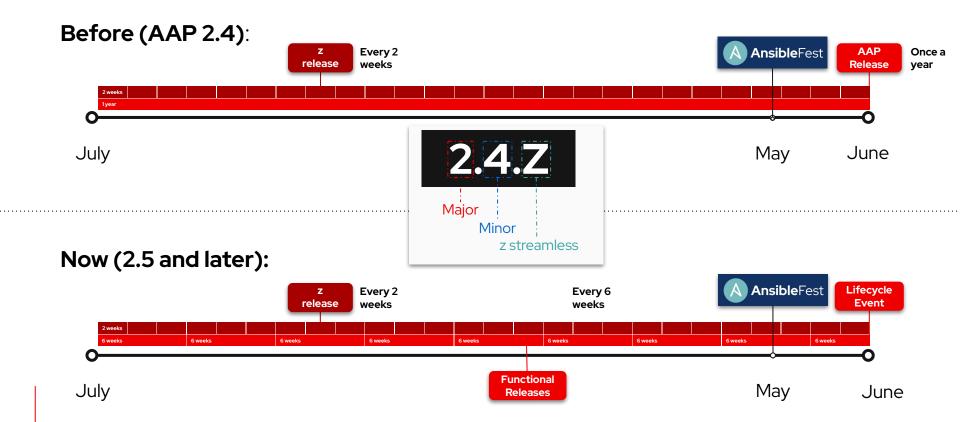




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Product roadmap | Updated release cadence

Ansible Automation Platform is now also backed by a 3-year support cycle



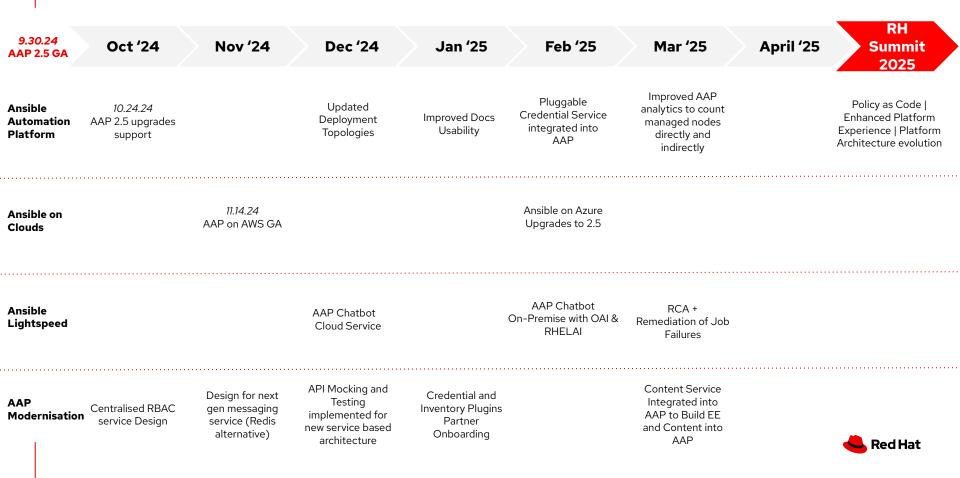
Product roadmap | Overview

Timeframe	Create	Manage	Scale
Immediate term (Q4 2024)	 Containerized Install Unified UI 	Ansible as a Service (AWS) ✓ Event-Driven Ansible: High Availability	 Event-Driven Ansible: Credential management Event-Driven Ansible: RBAC + SSO
Short term (1H 2025)	Enhanced onboarding experience Push-button provisioning Ansible development workspaces	Artifact management Ansible Lightspeed: Ecosystem collections + feature enhancements	Automated policy as code
Medium term (2H 2025)	Enhanced Platform experience	Pre-seeded automation use cases	GRC reporting integrations



Product roadmap | The Road to Summit '25

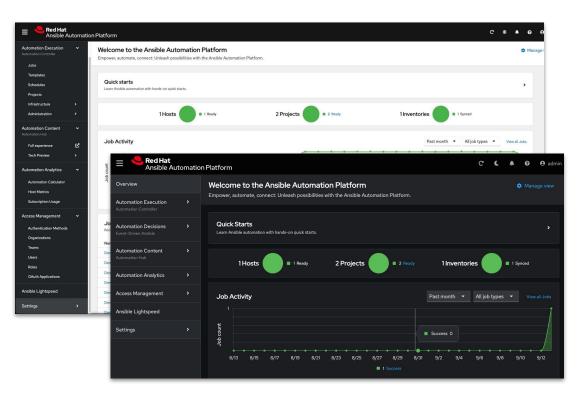
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Product roadmap | Unified UI - Upgrades

Timeframe: Q4 2024

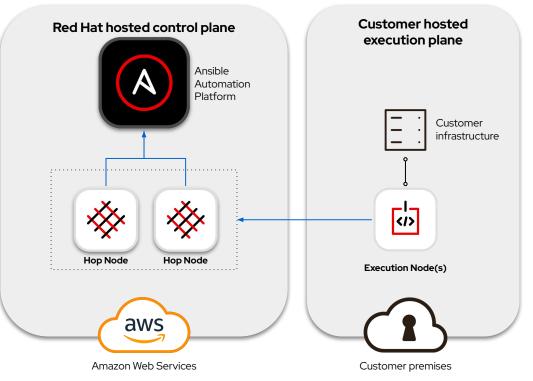
- A new interface that delivers an improved experience for operators, developers and platform administrators, with a more consistent and centralized:
 - > WebUI
 - > API
 - > Authentication and authorization
 - > Role based access controls (RBAC)
- Upgrades in AAP 2.5 lay the foundation for future enhancements to the Day 2 operations platform experience.





Product roadmap | Ansible Automation Platform Service on AWS

Timeframe: Q4 2024



- Red Hat Ansible Automation Platform
 Service on AWS is a fully managed
 Ansible Automation Platform control plane
- > EDA to be delivered 1H 2025
- Execution nodes deployed in your infrastructure, with the ability to pull automation tasks vs push, simplifying networking and minimizing network security configuration



Product roadmap | Enhanced platform experience

Timeframe: 1H 2025

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Persona: New Ansible Automation Platform operator

Scenario: "I've completed my onboarding. Now I need to provision automation content for my networking team"

1. Learn | How do I populate Ansible Certified Content in AAP?

2. Provision | Selects "Provision certified network content" guided wizard

3. Configure | Configures content for environment

4. Deploy | Deploys Ansible certified network content



Product roadmap | Ansible Automation Templates

Timeframe: 1H 2025

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Aligns development with operations

 Establishes trust and collaboration among teams; connects Ansible content creation with the deployment of IT workflows

Reduces friction through self-service operations

 Users can consume trusted automation to perform their jobs without needing to speak or learn "Ansible."

Enhances IT productivity

 Users are enabled with an opinionated set of operational tasks that adhere to organizational standards and best practices.



Product roadmap | Browser-based Ansible development workspaces

Timeframe: 1H 2025

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- One-click provisioning of an integrated development environment (IDE) with Ansible-specific tooling + generative AI.
- Provides centralized browser-based environments that adhere to Ansible best practices, ensuring consistency and security.

Designed to help AAP customers...

- Simplify creation, testing, and deployment of Ansible content
- Improve onboarding, quality, trust, and reliability with a supported framework built for the enterprise.

Red Hat

Product roadmap | Ansible Lightspeed enhancements

Timeframe: 1H 2025

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Chat-bot integrated into the user experience

 Intelligent chat-bot assistant provides real-time support and guidance to improve user productivity.

Insight into Ansible content reliability

 Root cause analysis of associated playbooks with guidance to understand misconfigurations, network issues, or playbook errors.

Resolution of errors and code failures

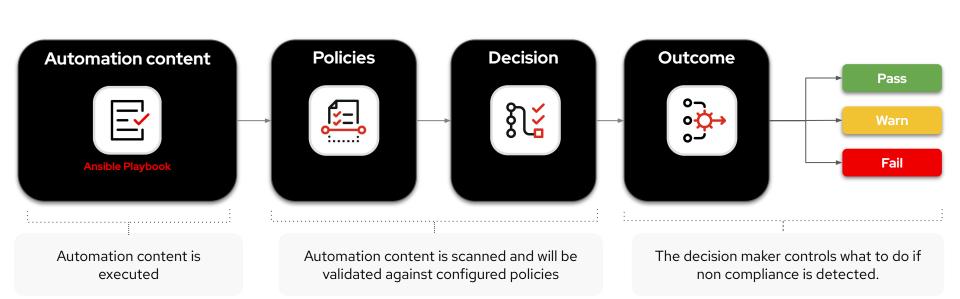
 Suggests improvements and provides step-by-step instructions on how to remediate; can directly apply remediations given appropriate user permissions.



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Product roadmap | Automated policy enforcement

Process overview





Product roadmap | Automated policy as code

Timeframe: 2H 2025

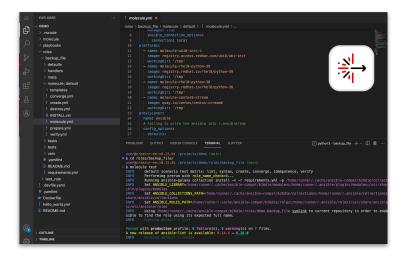
Ansible Automation Platform as a solution for governance, risk, and compliance





Product roadmap | Al-generated ecosystem collections

Timeframe: 2H 2025



AI-powered VSCode Chat-Bot

 Integrating a chatbot into VSCode will drive adoption by empowering users to quickly generate new content streamlining the automation within their development environment.

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Code Transformation and Modernization

 Auto-scan and run modernization updates, including migrating to and building collections from large automation projects, making automation shareable, and upgrading Ansible versions.



Resources + next steps



- AAP homepage ►
- <u>YouTube Playlist</u>
- <u>
 The AAP blog channel</u>
 ►
- E Datasheet ►
- Self-paced interactive labs ►





Connect

Thank you



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