



Connect

Ansible Automation Platform

Mission Critical Automation





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Topics of the Day

Deploy automation securely and enterprise wide with Ansible Automation Platform

When providing end-to-end automation across teams and IT-domains, platform security is foundational. Experience Ansible Automation Platform's new RBAC model and Policy as Code features, along with Private Automation Hub, Code Signing and Collection Signing. All functionalities to reduce risk, enable trust and transparency for your automations.



Topics of the Day

- Platform Notifications (*some new*)
- Private Automation Hub and Collection signing (*not really new*)
- Access Management (*some new*)
- Self-Service Portal (*all new 2.6*)
- Automation Dashboard (*all new 2.6*)
- Ansible Lightspeed Intelligent assistant (*all new 2.6*)

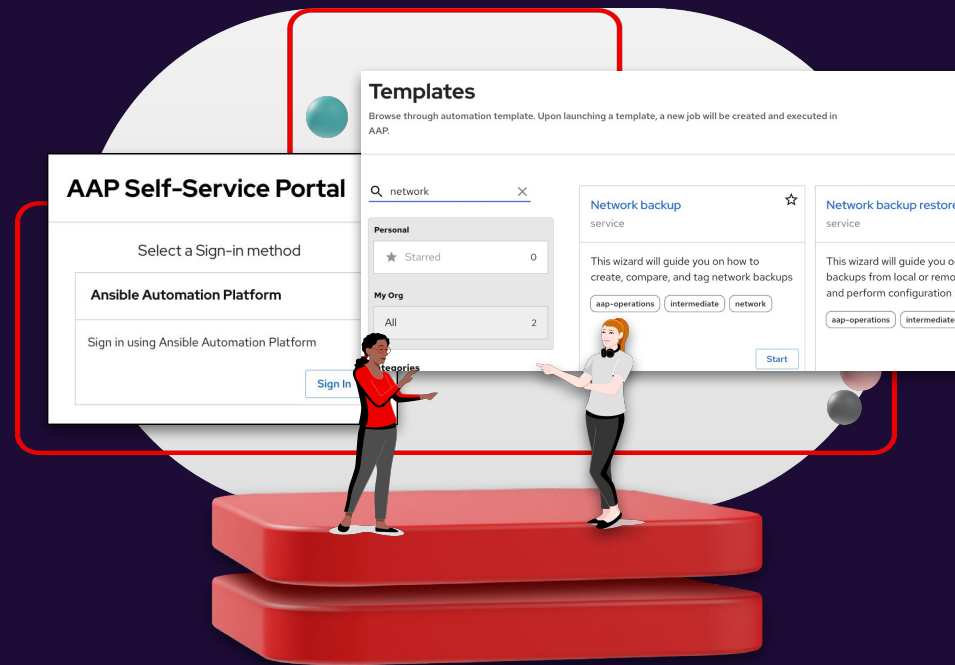
Demo



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New feature: Self-service automation portal



PS. It's not Service Catalogue DS

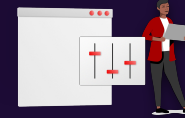


Streamline service delivery with the *new self-service automation portal*

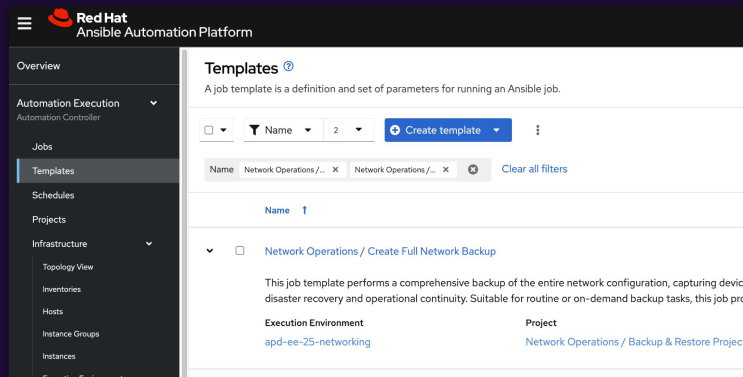
Enabling a platform engineering approach to scaling automation across users and teams



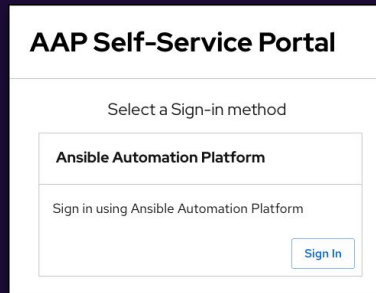
Platform owner



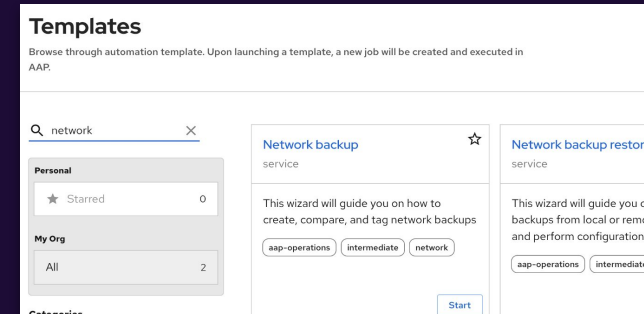
Subject matter expert



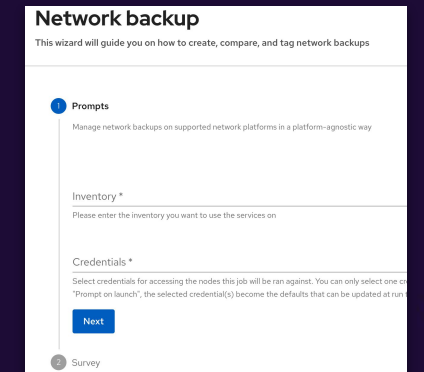
1. Defines automation use cases and set RBAC parameters



1. Logs into the AAP self-service automation portal



2. Views and runs relevant automation relevant with an easy-to-use self-service experience.



3. User is guided step-by-step forms to execute automation

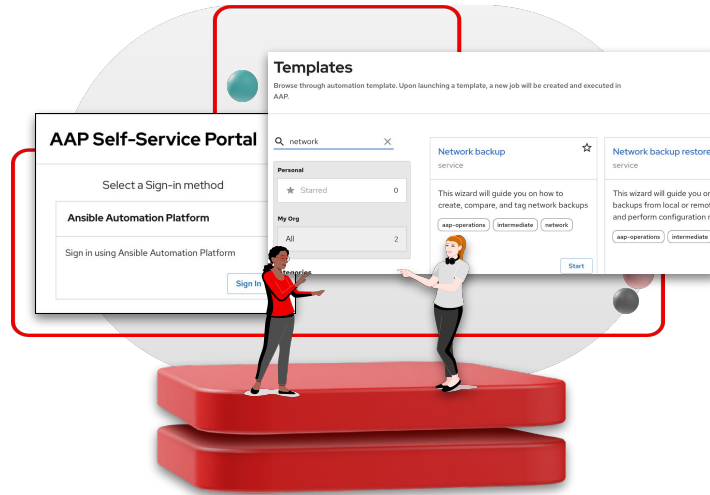


Demo



Self-service automation portal

Enabling a platform engineering approach to automation service delivery



- ✓ **Domain SMEs** get simple, point and click automation experience without needing Ansible experience.
- ✓ **Platform admins** maintain consistency and control with full RBAC, and simple, seamless customization and syncing of job templates.
- ✓ **Automation teams** achieve new levels of adoption and scale, without the overhead of building and managing custom/3rd party self-service solutions

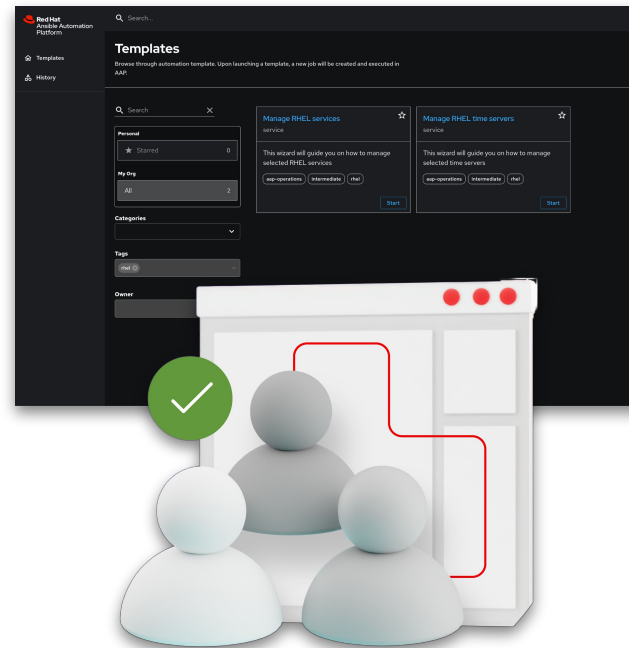
- > **Syncs existing automation content:** Extend the reach and impact of your automation job templates, while maintaining full control and compliance.
- > **Seamless Integration:** Uses your existing Ansible Automation Platform setup—same logins, same security controls, same automation logic
- > **Simplified Interface:** A distinct, user-friendly web interface designed for business users, not automation experts
- > **Guided Workflows:** Step-by-step forms that walk users through automation requests without technical complexity - automatically generated from your existing job templates.
- > **Smart Forms:** Real-time field validation, conditional and dynamic forms, and dropdown fields for AAP artifacts, such as AAP inventories.



Implementation and roadmap

Implementation details

- > **Distinct UI from AAP** that can be added as an external link in the AAP UI menu using new OAuth feature*.
 - > ** Requires AAP 2.5+ version for enhanced OAuth feature that enables adding external links to AAP UI menu.*
- > **Integrated AAP 2.5 authentication.** Sign into the self-service UI with your AAP credentials.
- > **Automatic synchronization** of AAP 2.5+ Org, Teams, and Users to the self-service automation portal for consistent access delegation.
- > **Installed independently from AAP** on Openshift using a Helm chart for GA.
- > **Import customized Forms** from repositories for a richer, dynamic end-user experience.



Feature roadmap

- > Improving onboarding and installation experience by introducing a RHEL Installer, and enhanced initial setup
- > Extending self-service automation to support multiple AAP Organizations while strengthening authentication and RBAC
- > Making AAP Workflows available in the self-service automation portal



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New feature: Automation dashboard

- ✓ Demonstrate value and measure ROI
- ✓ Make smarter, data-driven decisions
- ✓ Optimize and right-size your automation
- ✓ Securely report and share your data
- ✓ On-premise



Demo



Automation dashboard | Value

Unlock insights to optimize and prove the value of your automation.



- ✓ **Demonstrate value and measure ROI.** Easily track key metrics like time savings, job success, and return on investment (ROI). You'll have the data you need to prove the value of your automation investment and share successes with key stakeholders.
- ✓ **Make smarter, data-driven decisions.** Get real-time, actionable insights into your automation usage and impact. The dashboard helps you guide IT operations and make smarter decisions based on real data.
- ✓ **Optimize and right-size your automation.** Achieve full visibility into your entire automation deployment, including both direct and indirect nodes. This allows you to address over- and under-utilization, ensuring you're getting the most out of your investment.
- ✓ **Securely report and share your data.** The on-premise, self-contained utility protects your data while providing flexible reporting options. You can schedule reports and easily ingest the data into your own business intelligence (BI) tools.



Automation dashboard | Implementation

Seamlessly and securely generate real-time insights from your automation.

Implementation details

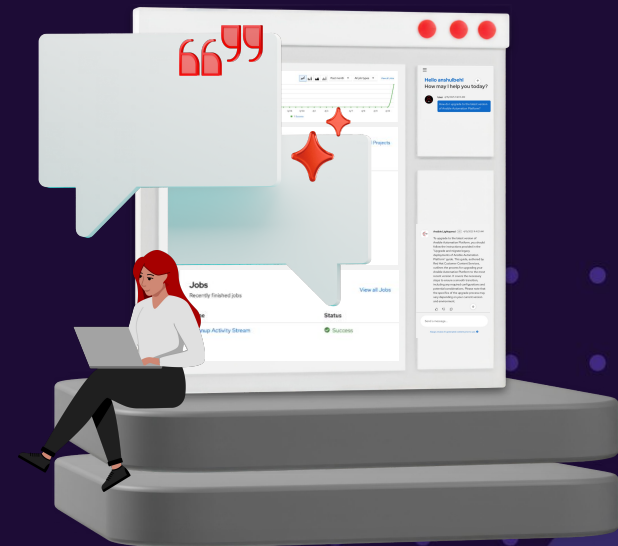
- > **Deployed securely, on-premise:** The dashboard is a self-contained, on-premise utility that runs on a dedicated RHEL 9 x86 and ARM host, ensuring your data remains secure within your environment.
- > **Easy integration:** It integrates with your existing AAP 2.4 or 2.5 instances using an OAuth2 token for read-only access, allowing you to pull data without complex setup.
- > **Streamlined installation:** The setup process is a containerized, playbook-driven installation, simplifying deployment and configuration on your RHEL host.
- > **Automated data sync:** Once configured, the dashboard automatically syncs and visualizes data from your AAP instances, giving you real-time insights with minimal ongoing effort.
- > **Flexible reporting:** The dashboard allows you to generate customizable PDF reports for stakeholders and export raw data to a CSV for ingestion into your preferred BI tools, providing flexible options for demonstrating value.

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New feature: Ansible Lightspeed intelligent assistant

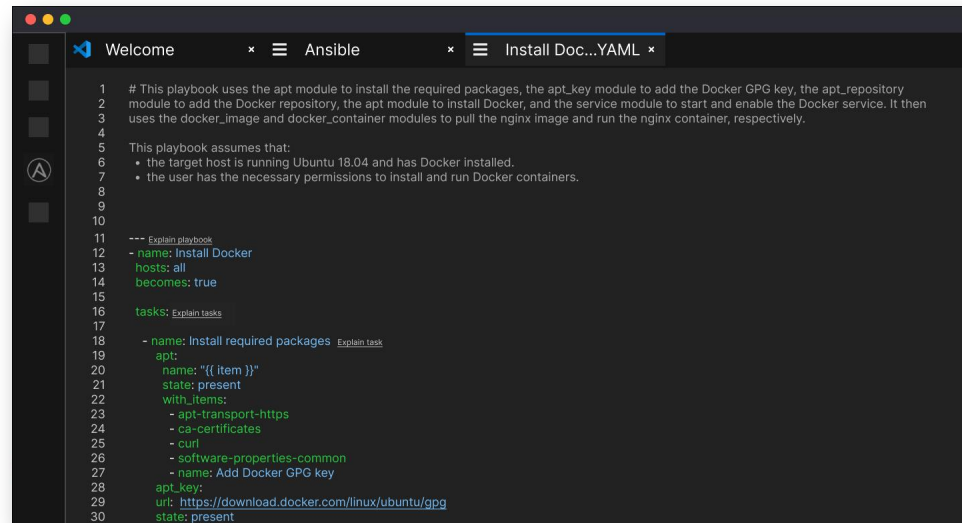
- ✓ Embedded in the AAP UI
- ✓ Provides on-demand Ansible expertise.
- ✓ Speeds up troubleshooting, onboarding, and day-to-day management.
- ✓ Includes links to help with source validation and accelerated learning.



Increase efficiency with Ansible Lightspeed

Integrated tools to harness generative AI for IT operations

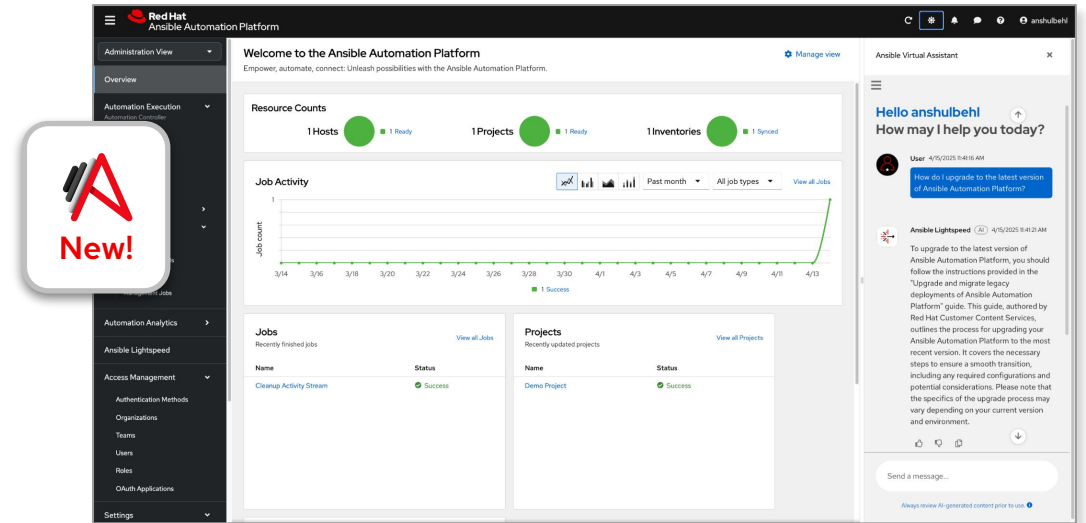
Coding assistant
for automation content creation



```
1 # This playbook uses the apt module to install the required packages, the apt_key module to add the Docker GPG key, the apt_repository
2 module to add the Docker repository, the apt module to install Docker, and the service module to start and enable the Docker service. It then
3 uses the docker_image and docker_container modules to pull the nginx image and run the nginx container, respectively.
4
5 This playbook assumes that:
6 • the target host is running Ubuntu 18.04 and has Docker installed.
7 • the user has the necessary permissions to install and run Docker containers.
8
9
10
11 --- Explain playbook
12 - name: Install Docker
13   hosts: all
14   becomes: true
15
16   tasks: Explain tasks
17
18 - name: Install required packages
19   apt:
20     name: "{{ item }}"
21     state: present
22     with_items:
23       - apt-transport-https
24       - ca-certificates
25       - curl
26       - software-properties-common
27   - name: Add Docker GPG key
28     apt_key:
29       url: https://download.docker.com/linux/ubuntu/gpg
30       state: present
```

Installed & used in VSCode

Intelligent assistant
For automation platform administration and management



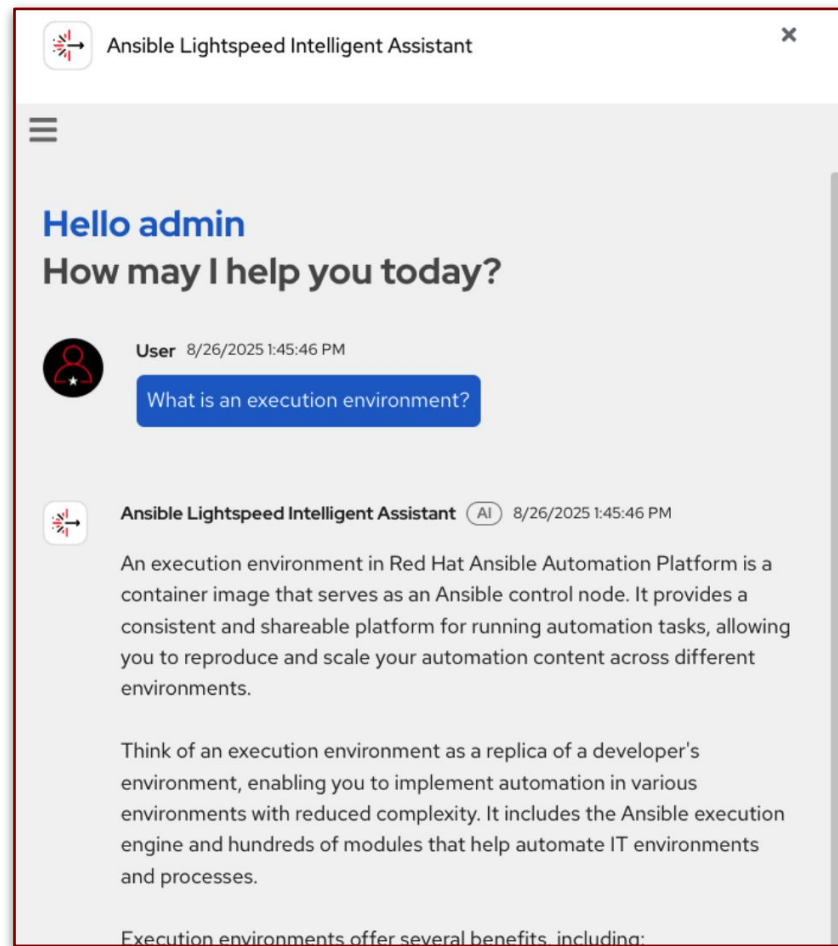
Powered by Red Hat Ansible Lightspeed

Embedded directly into AAP UI



Ansible Lightspeed intelligent assistant

Ansible expertise, when and where you need it most



- > **A new chat assistant** embedded directly into Ansible Automation Platform UI
- > Provides on-the-fly support for **faster troubleshooting, platform onboarding, and the day-to-day management** of automation.
- > Includes links to references and resources for **source validation** and **accelerated learning**.
- > **Offers flexible model connectivity**; use in tandem with Red Hat AI.
- > **Example prompts:**
 - > *"What is an execution environment?"*
 - > *"How do I upgrade to the latest version of Ansible Automation Platform?"*
 - >

Ansible Lightspeed intelligent assistant | Implementation

Once activated, any Ansible Automation Platform user can access the intelligent assistant

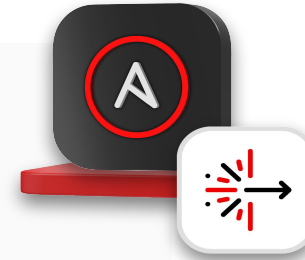
Deployment options:

- > **New! On-premise (VMs or bare metal)**, using the Ansible Automation Platform containerized installer
- > **On OCP** using the Ansible Automation Platform operator

Model options:

The intelligent assistant is *available free of charge*, but customers must *bring their own model*, hosted on these supported platforms / providers:

- > **Red Hat AI**: Red Hat AI inference server, RHEL AI, or Red Hat OpenShift AI
- > **Supported 3rd-party models (Q4)**: OpenAI, Azure Open AI, and IBM watsonx AI



Solution guide (coming soon)
Getting started with Ansible Lightspeed
Intelligent Assistant

Red Hat
Summit

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Thank you



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