



**Red Hat**  
Ansible Automation  
Platform

# Ansible roadmap

Latest news from Ansible

Fest 2024

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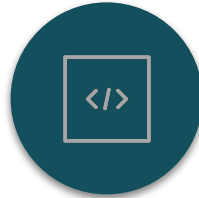
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Sr. Solution Architect



**Red Hat**

# What's coming in 2024

## CREATE



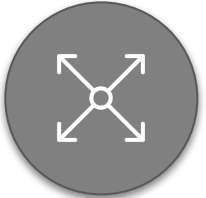
- > Enhanced developer experience
  - > Ansible development tools
  - > Red Hat Developer Hub
  - > Developer spaces
  - > AI for automation
- > Automation applications
- > Automation content experiences
- > State management for AAP

## MANAGE



- > Ansible as a Service: AWS
- > Unified platform experience
- > Containerized AAP
- > Policy as Code initiatives for Governance, Risk + Compliance (GRC)

## SCALE



- > Automation mesh for cloud deployments
- > Event-Driven Ansible improvements
  - > SSO + RBAC
  - > Credential management
  - > High Availability, performance and scale
- > Availability on mission critical infrastructure

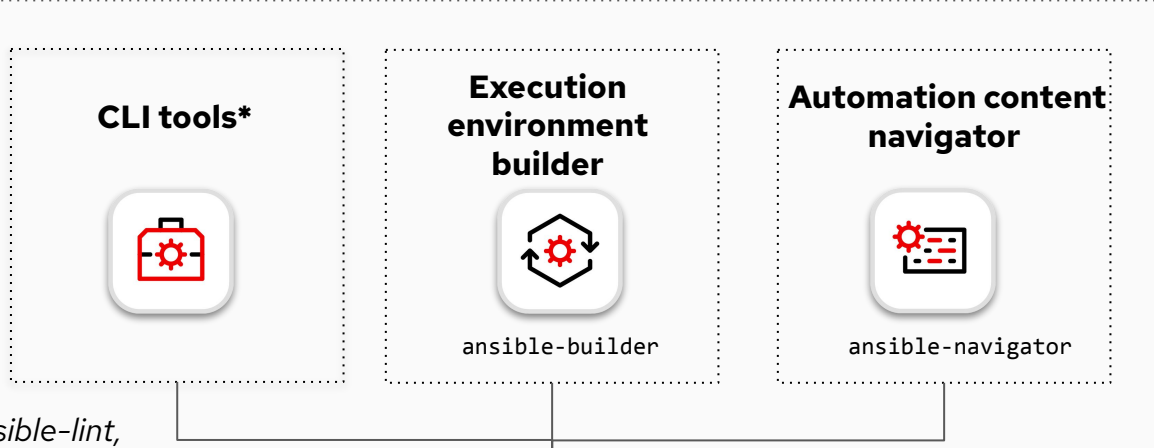
# Create



> **Enhanced developer experience:**

Ansible development tools

# Ansible development tools



*\*Ansible Molecule, ansible-lint, ansible-creator, pytest-ansible, tox-ansible, ansible-dev-environment, and ansible-sign.*



## ansible-dev-tools

Packaged, supported, and opinionated collection of enterprise-grade capabilities to enable automation developers in the **building, testing, and deployment** of Ansible content.

**Goal:**

Deliver comprehensive suite automation development capabilities

**Who:**

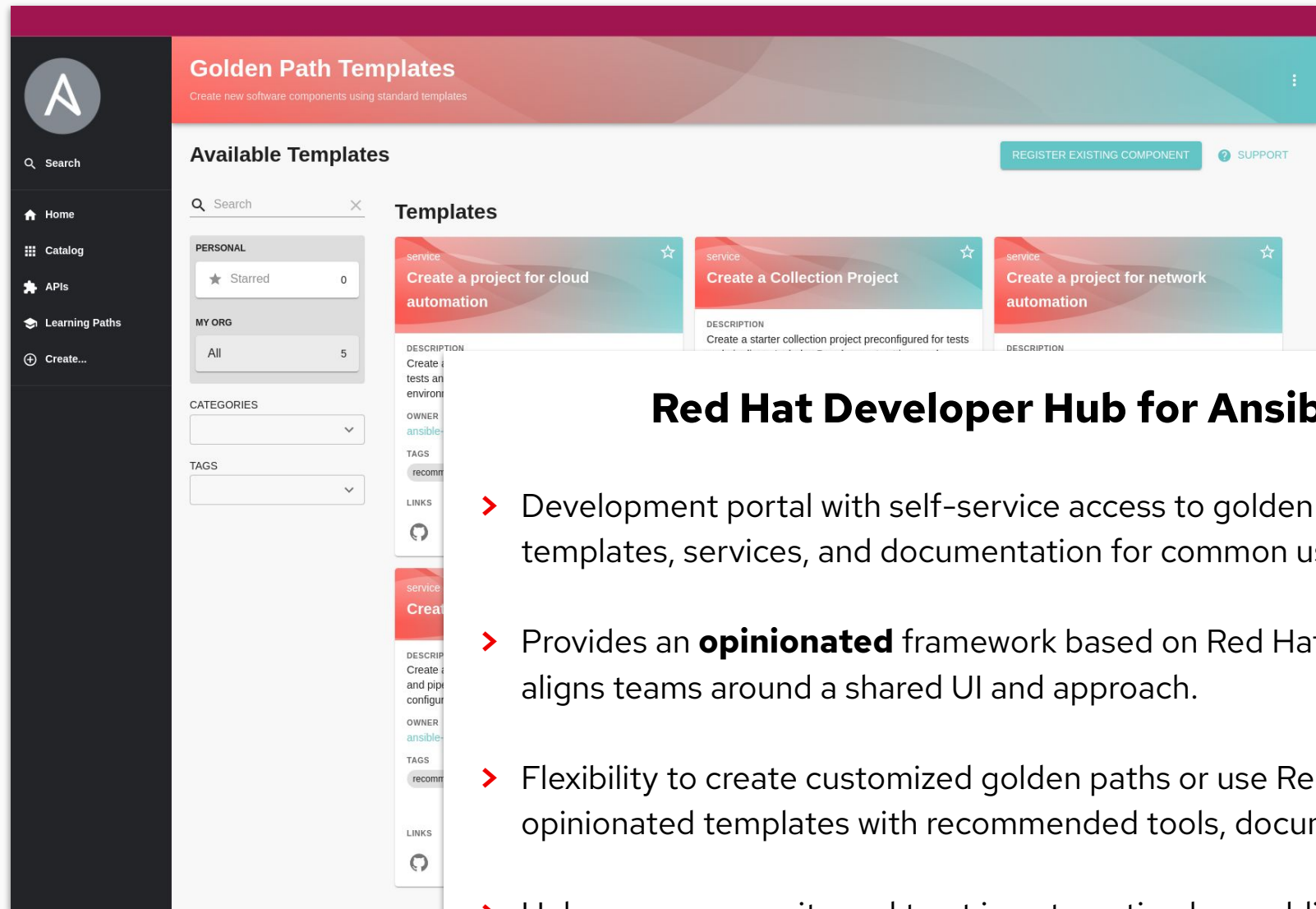
Developers, automation engineers

## > Enhanced developer experience: Red Hat Developer Hub

**Goal:**  
Single entrypoint for  
automation development

**Who:**  
Developers, automation  
engineers

**When:**  
2H



## Red Hat Developer Hub for Ansible

- > Development portal with self-service access to golden paths / templates, services, and documentation for common use cases.
- > Provides an **opinionated** framework based on Red Hat expertise that aligns teams around a shared UI and approach.
- > Flexibility to create customized golden paths or use Red Hat opinionated templates with recommended tools, documentation, etc.
- > Helps ensure security and trust in automation by enabling customers with golden paths that meet their unique requirements.
- > Can initiate a custom IDE in customer's enterprise or **Dev Spaces** environments with **VS Code**

- > **Enhanced developer experience:**  
AI for automation

>

**Goal:**

Harness AI to empower engineers to create, manage and scale their automation more efficiently

**Who:**

Developers, automation engineers, operators, platform admins

**When:** Available now, with improvements introduced continually

**Create | Red Hat Ansible Lightspeed**

- > **On-premises capability (IBM WCA) - 1H '24**
- > Full Ansible Playbook generation - 1H '24

**Adopt | DevOps Integration**

- > Ansible Risk Insights integration
- > Pipeline integration and REST APIs

**Maintain | Ansible Codebot**

- > General availability + full support - Q1 '24
- > Gitlab and Bitbucket integrations - H2 '24



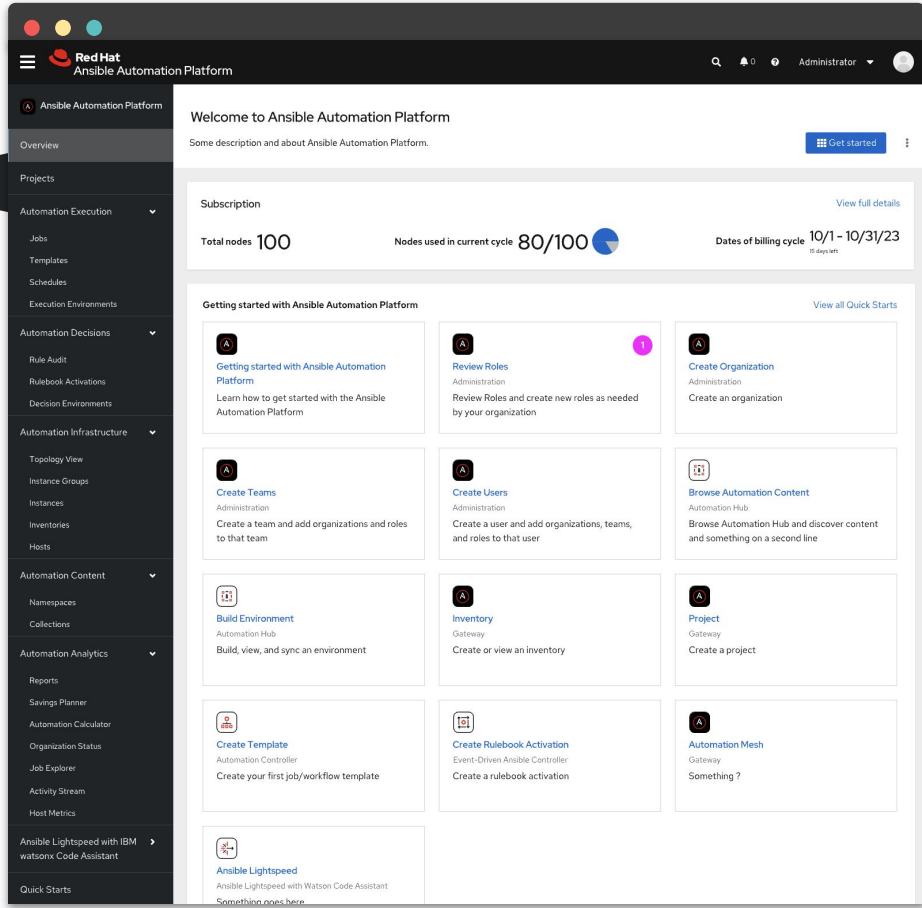
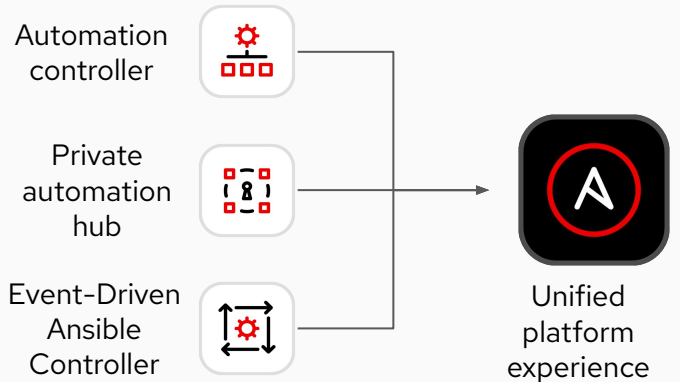


# Manage



> **Unified platform experience**

- > Containerized AAP
- > Policy as Code initiatives



- ✓ Consistent and centralized webUI for operators, developers and platform administrators
- ✓ Consistent and centralized API
- ✓ Centralized authentication/authorization
- ✓ Centralized role based access controls (RBAC)
- ✓ New and improved Day 2 ops management

**Goal:**  
Simplify the platform experience for all users

**Who:**  
Automation engineers,  
Operators, Platform Admins,  
Automation architects



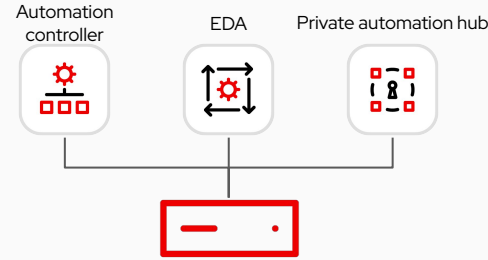
> Unified platform experience

> **Containerized AAP**

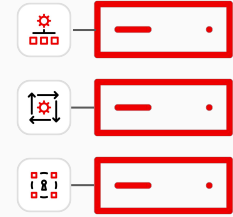
> Policy as Code initiatives



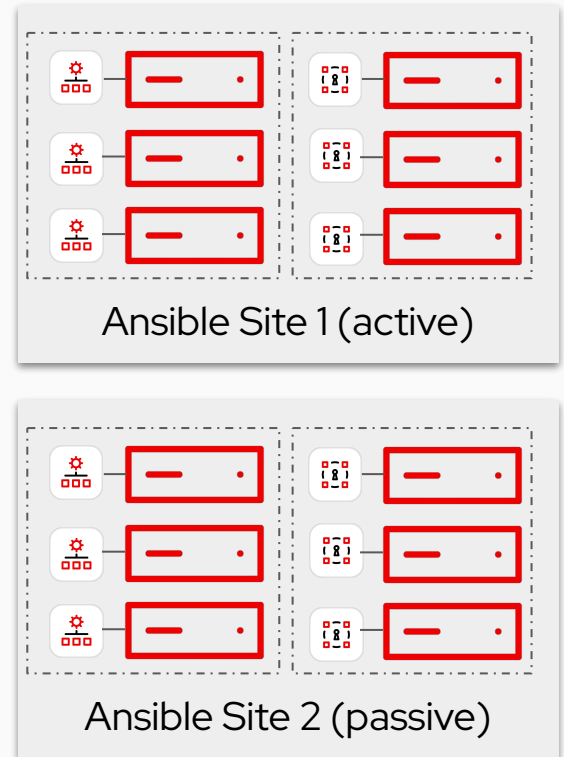
Single Server



Intermediate Architecture



Highly Available Reference Architecture



Ansible Automation platform on RHEL can take advantage of Red Hat's container technology, **so we can now fit multiple services on a single instance!**

**Goal:**  
Simplify management and operations for the platform engineer

**Who:**  
Platform engineers

# Policy as Code for GRC



## Governance

## Risk

## Compliance

- > **Check policy enforcement during the development cycle**

- > Standardised policy schema and format based on YAML

- > Ansible Lightspeed integration to accelerate development

- > Integration into Ansible plugins for Integrated Development Environments (IDE)s

- > **Provide an integrated mechanism for policy enforcement based on unique needs**

- > Discretionary or mandatory checks before or during automation runs

- > Hook into a wider ecosystem for defining, selecting, finding and using policies for checks and enforcement

- > **Reporting mechanisms to aid in compliance status and audit tracking.**

- > Output to common output data schemas to allow third party tools easy access to results

- > Customizable alerts and notifications for policy status

- > Unified platform experience

- > Containerized AAP

- > **Policy as Code initiatives**

**Goal:**

Extend AAP directly into the realms of governance, risk and compliance (GRC)

**Who:**

Developers, Operators + Admins. CISO, CAIO.\*

*\*New avenue for C-suite conversations.*

An aerial photograph of a city, likely Shanghai, featuring a massive, multi-level highway interchange with numerous overpasses and ramps. In the background, a dense skyline of skyscrapers is visible under a clear blue sky with some light clouds. The word "Scale" is overlaid in large white font on the right side of the image.

# Scale



> **Event-Driven Ansible:**  
SSO + RBAC

> Availability on mission critical infrastructure

**Goal:** Unified UI experience

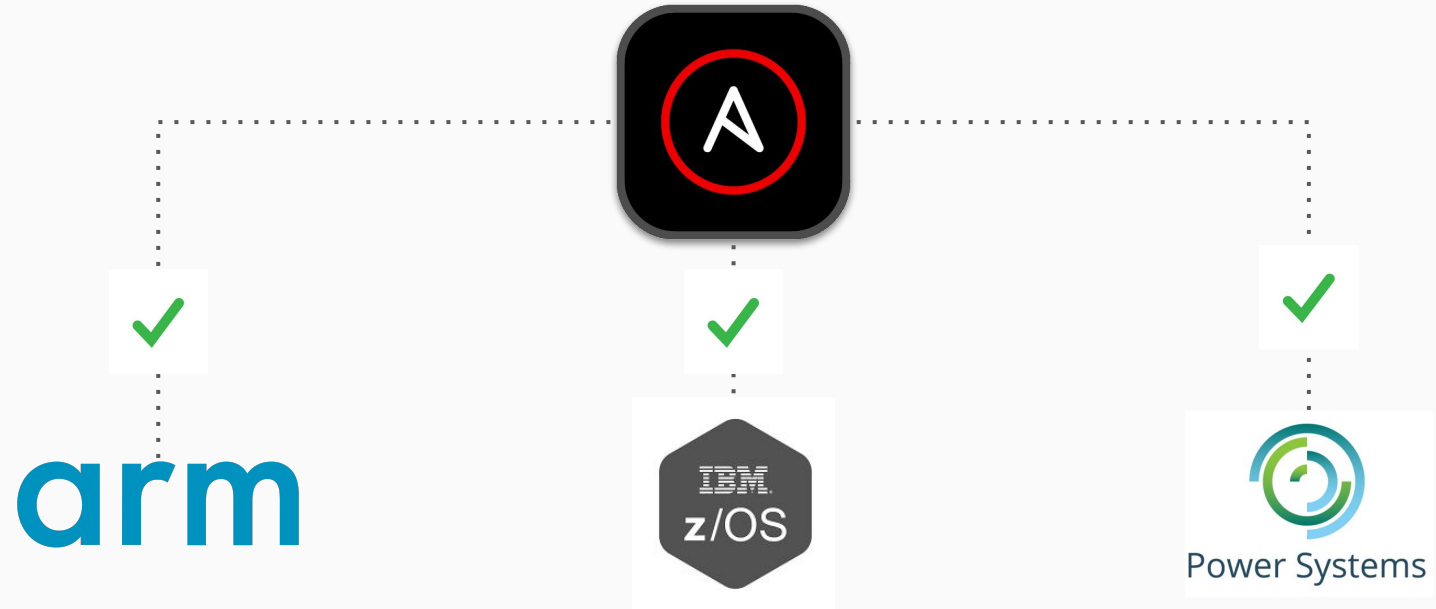
**Who:** All platform users

**When:** Q2, 2.5 release

The screenshot shows the 'Users' management page in the Red Hat Ansible Automation Platform. The interface includes a sidebar with navigation options like 'Automation Decisions', 'Automation Content', and 'Access Management'. The main content area displays a list of users with columns for Username, First name, and Last name. A table lists users such as 'admin', 'aratti', 'dsilva', 'sjcox', 'tiyip', and 'trahman'. Each user row has an 'Edit user' button and a 'Delete user' button. A tooltip for the 'Delete user' button for the 'admin' user states 'Current user cannot be deleted'. The top of the page features the Red Hat logo, the product name 'Ansible Automation Platform', and user information 'Administrator'.

Work In Progress - Example

## Availability on mission critical infrastructure architectures



- ✓ Install AAP and the components on more than just x86.
- ✓ Also support for all IBM z/OS\* and Power environments\*\*
- ✓ Full support for all architectures as of AAP 2.4

> Event-Driven Ansible:  
SSO + RBAC

> **Availability on mission critical infrastructure**

**Goal:** Ensure that AAP is available on more architectures.

**Who:** All AAP roles and users

**When:** Available Today

V0000000



# Product lifecycle updates

 **Red Hat**  
Ansible Automation  
Platform

 **3 year support cycle**

 **Annual cadence for major releases**  
+ Z streamless updates

 **Beta channel**




# Thank you

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