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# What's new in Ansible Automation Platform 2.5

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# Red Hat Ansible Automation Platform | **Product vision**

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



## Create

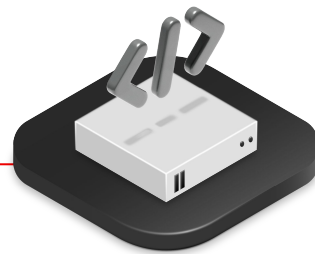
**Streamline** the process of creating automation workflows for dozens of use cases across IT domains



Network

## Manage

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



Operating systems



Cloud

## Scale

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



Virtualization



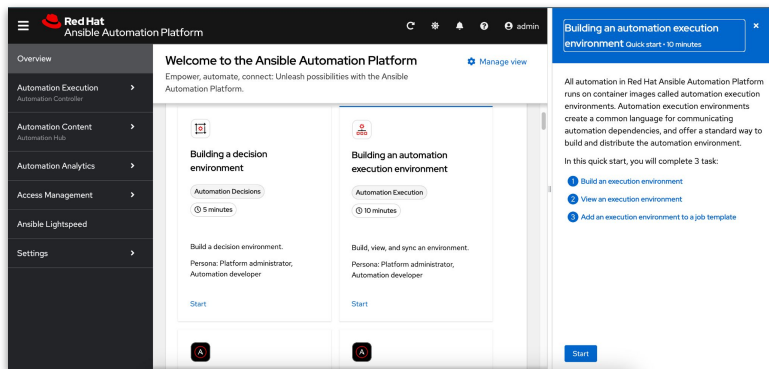
Application delivery

# Red Hat Ansible Automation Platform | Our latest release

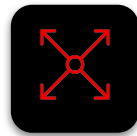
## Ansible Automation Platform 2.5



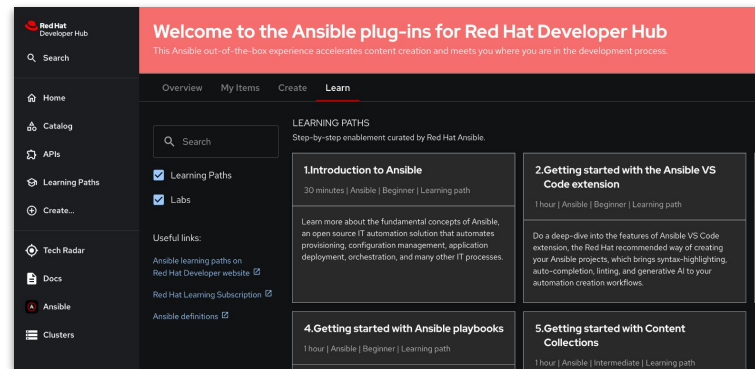
### Ease of Use



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



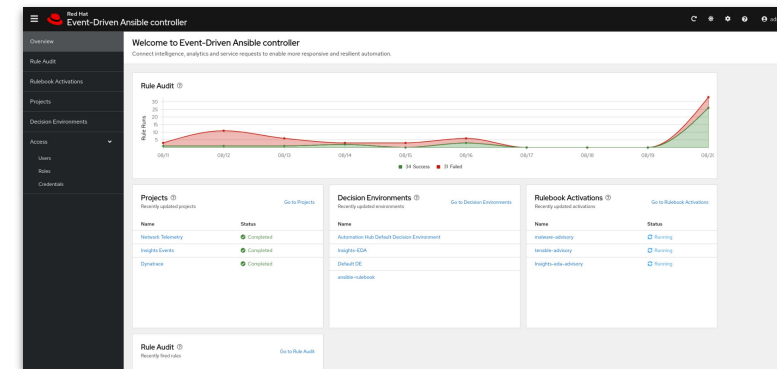
### Scaling Automation



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

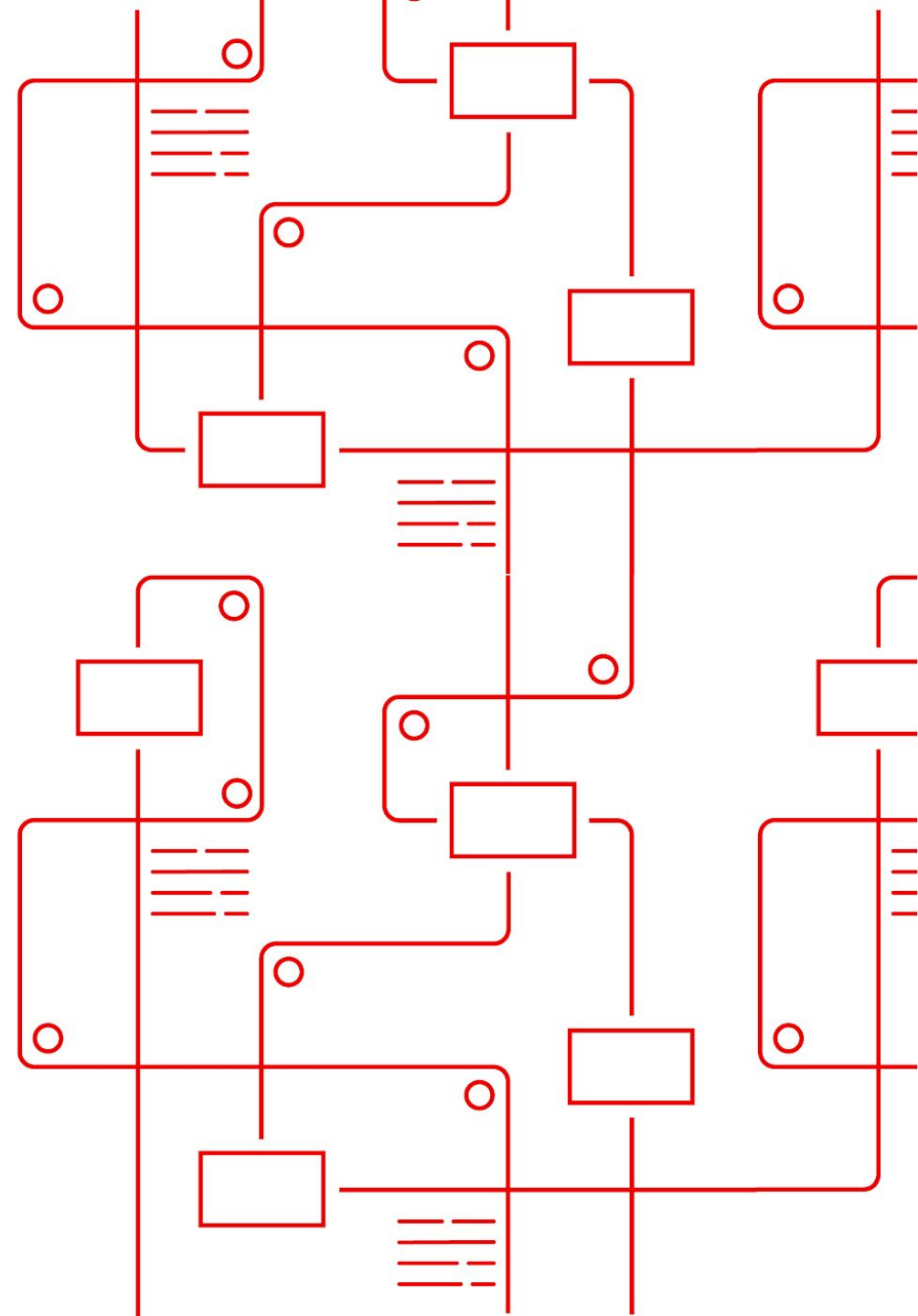


### Mission Critical Platform



- > 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

# Ease of Use



# New unified UI for a more **cohesive platform experience**

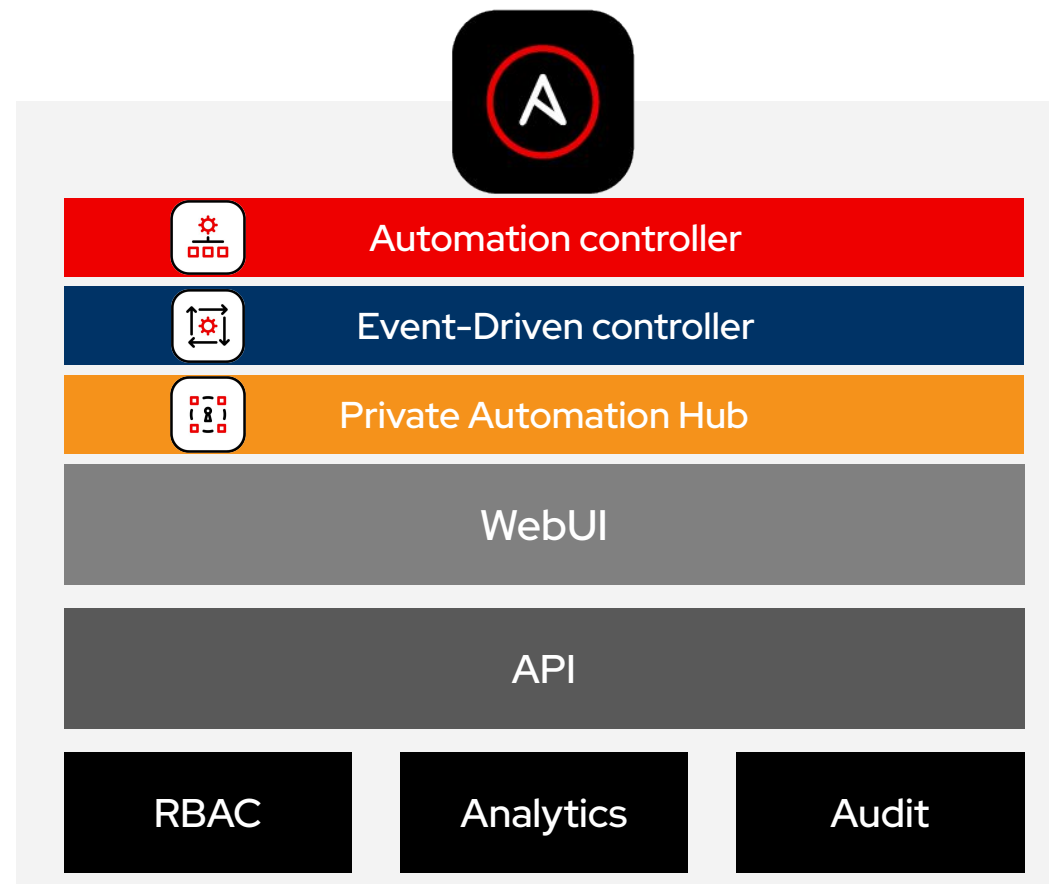


## What is it?

The unified UI in Ansible Automation Platform delivers a seamless and consistent experience for operators, developers, and platform administrators to manage automation across their enterprise.

### Unified UI provides:

- ▶ Centralized control
- ▶ WebUI and API
- ▶ Role-based access control
- ▶ Centralized logging
- ▶ Credential management
- ▶ Ansible analytics integration



# Ansible Automation Platform **installation options.**

## RPM

- ▶ Suitable for traditional RHEL environments
- ▶ Deprecated with AAP 2.5 (removal TBD)

## Containerized

- ▶ Ideal for flexibility and rapid scaling
- ▶ Simplifies dependency management

## OpenShift Operator

- ▶ Seamless integration with OpenShift
- ▶ Automated lifecycle management

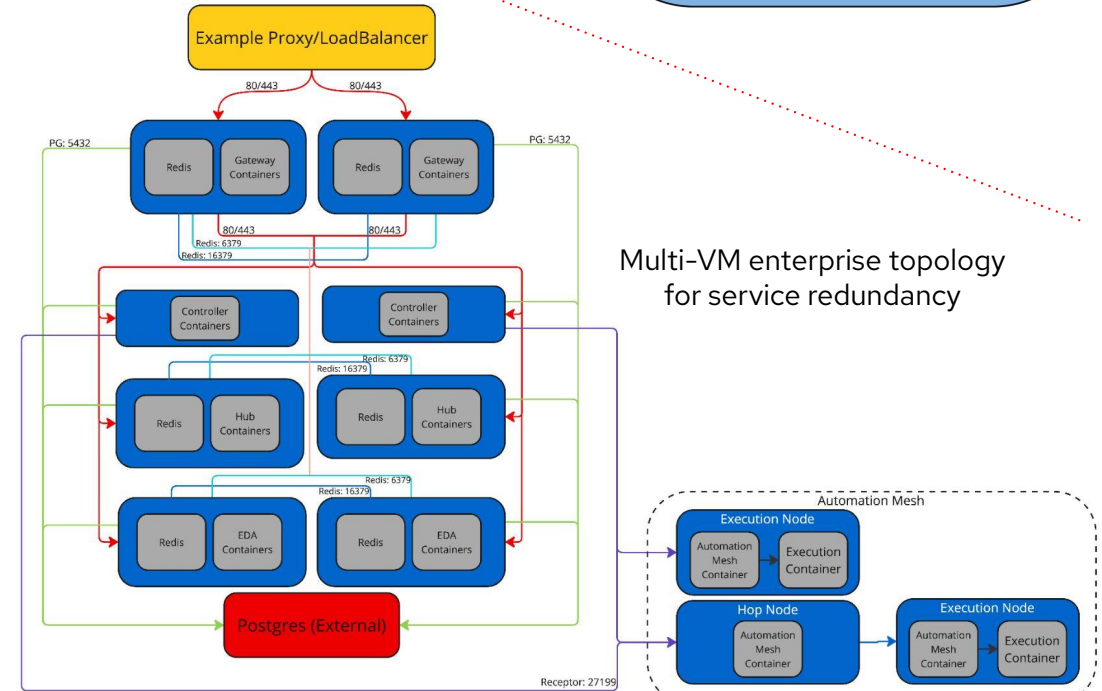
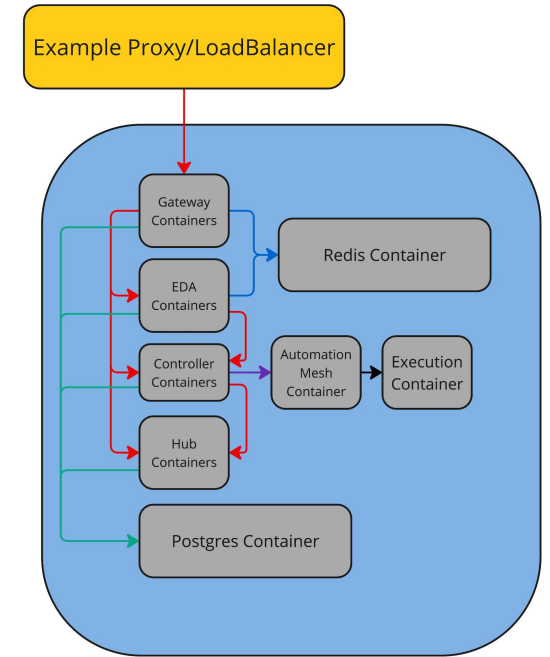
- RPM and containerized installers are available for customers through [Red Hat Customer portal](#).
- AAP Operator is available through OperatorHub in Red Hat OpenShift Container Platform.
- For more information on installation, refer the [documentation](#).

# Containerized installation

## A more modern installation paradigm

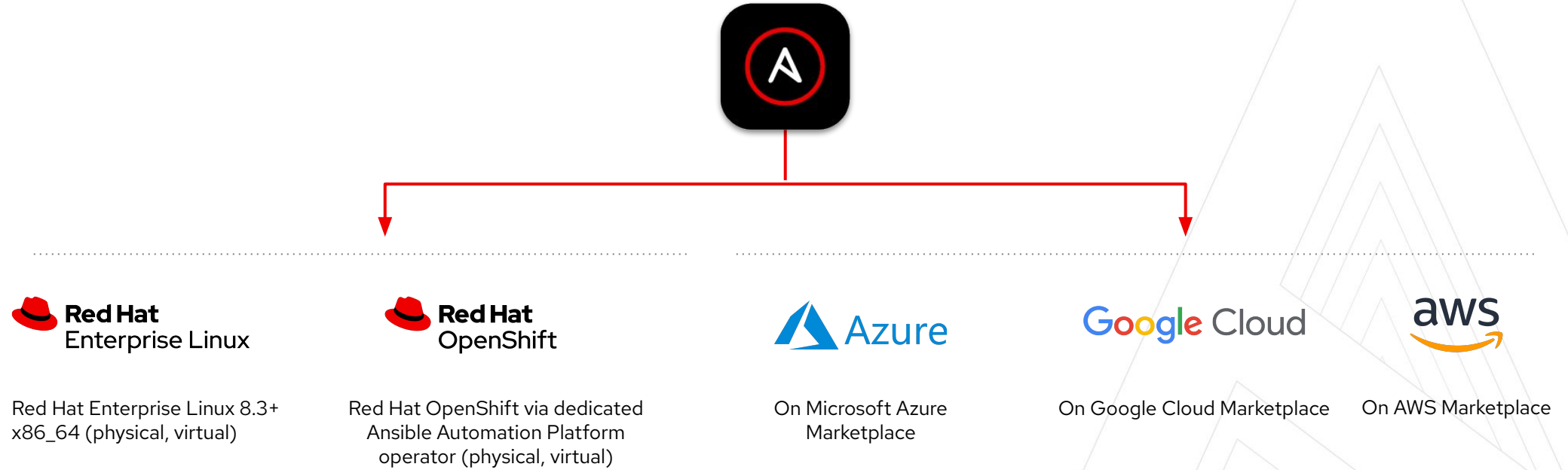
- > A new deployment type for those wishing to use containers for AAP but not fully embrace or need the complexity of kubernetes
- > Scalable to enterprise standards as per other recommended deployment options
- > Ability to seed automation content and configuration at installation time providing a one-stop solution

Single VM Topology for growing accounts (testing, PoCs, etc.)



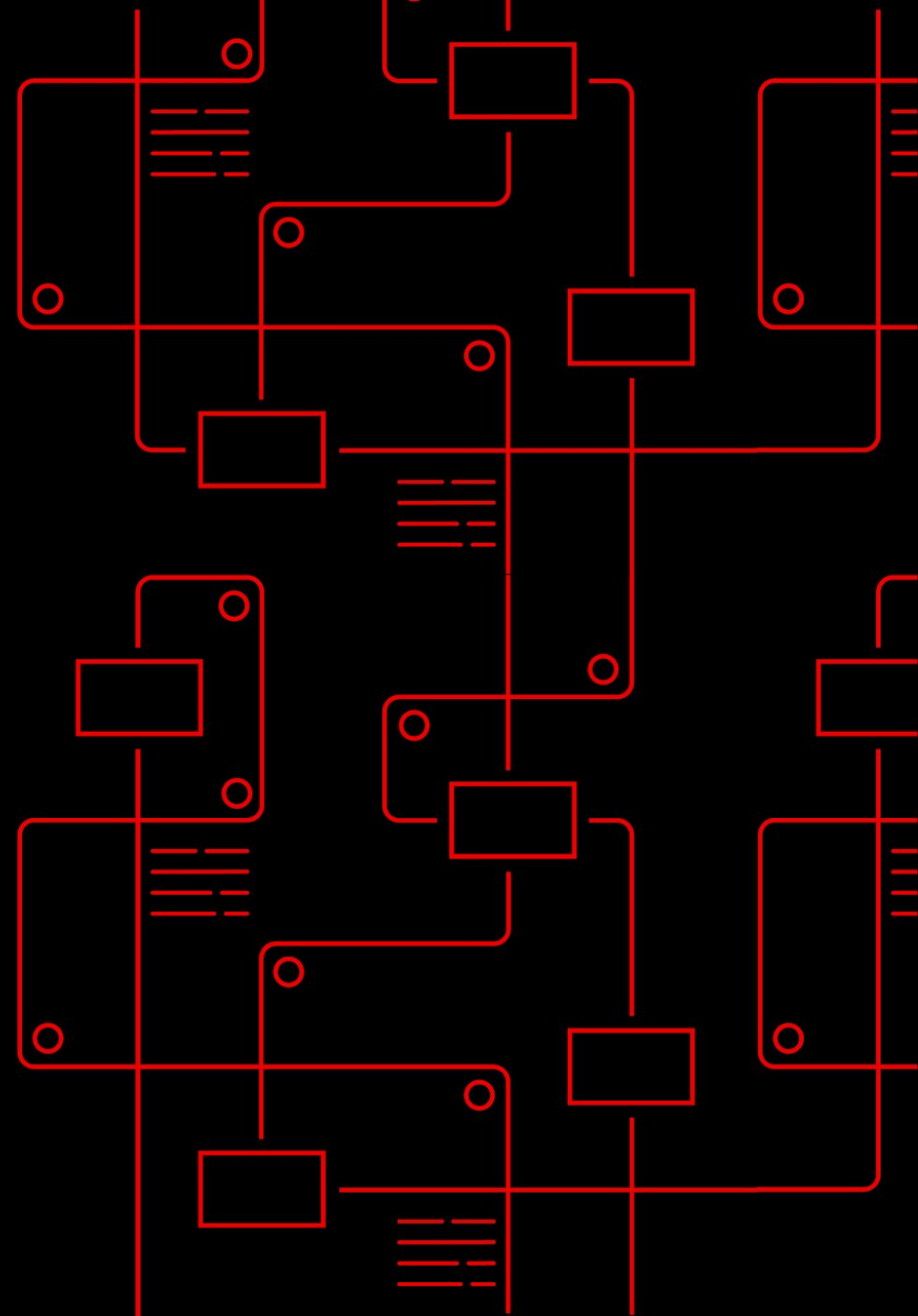
# Ansible Automation Platform **hosting options.**

Customers have a range of options for deploying on and across the open hybrid cloud

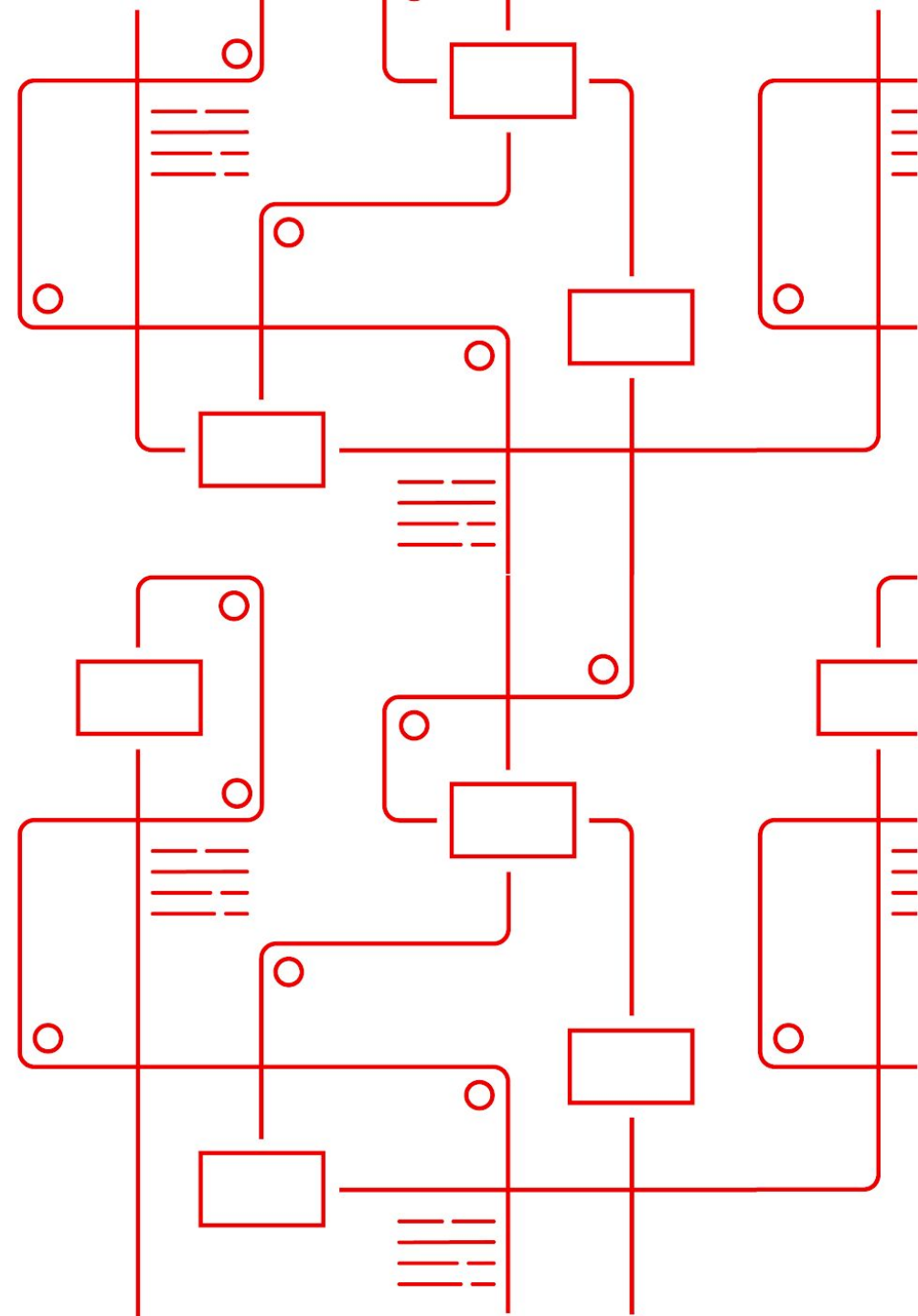




# Ease of Use Demo



# Scaling Automation



# Automation mesh. **Design and expand.**

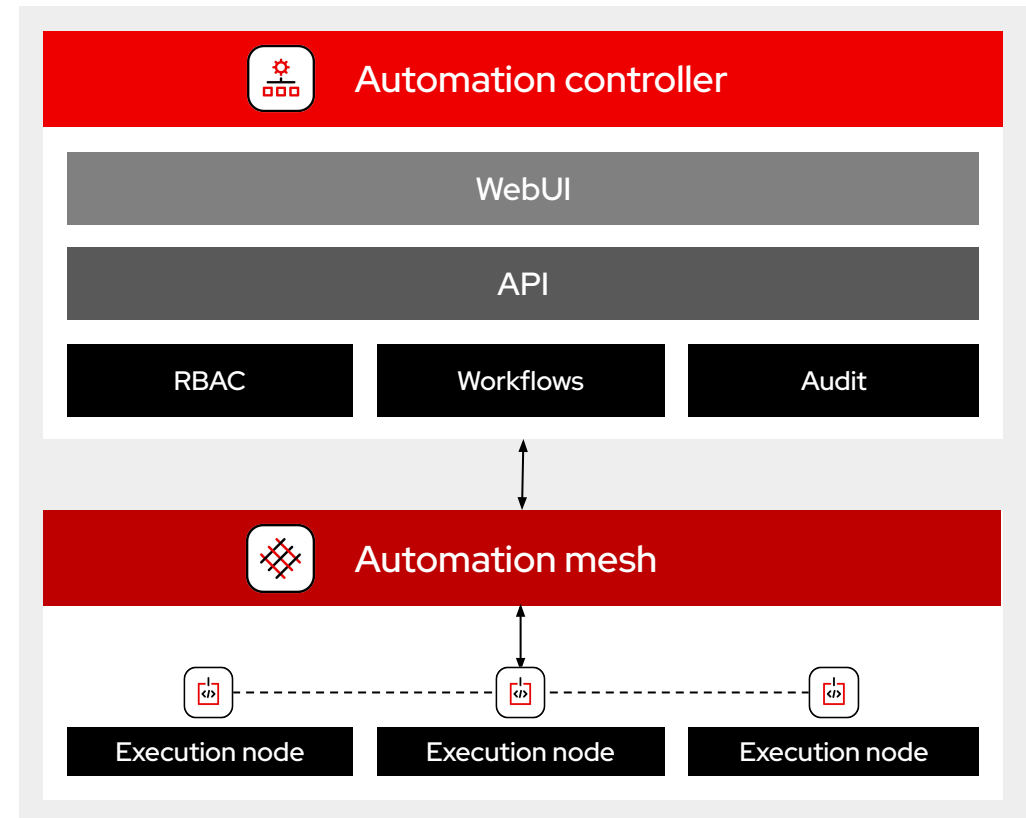


## What is it?

- ▶ Simple, reliable framework to scale automation independently with little or no downtime
- ▶ Distributed and localized execution across worker nodes
- ▶ Scale across segmented and remote networks with native resiliency
- ▶ Flexible design choices to deliver automation across networks and design redundant topologies

## Improved communication and security

- ▶ Worker node health checks
- ▶ Bi-directional, secured (TLS) communication between nodes
- ▶ Centralized, secured management with automation controller



# Create with Ansible Automation Platform

Enable your automation community of practice



## Ansible content collections

Set automation projects into motion  
Ready-made roles, modules, plug-ins,  
and templates



## Ansible development tools

Suite of supported components  
Build, test, and deploy Ansible content



## Ansible plugins for Red Hat Developer Hub

Curated learning paths, push-button content  
creation, integrated development tools, and more  
Educate new users and boost experienced users



## Ansible development workspaces

Opinionated, integrated dev environment  
Includes Ansible development tools,  
VS code integration, and Ansible  
Lightspeed



## Ansible Lightspeed

Collaboration with IBM to bring generative  
AI to Ansible  
Faster and easier Ansible content creation

# Ansible development tools. **Streamlining creation**

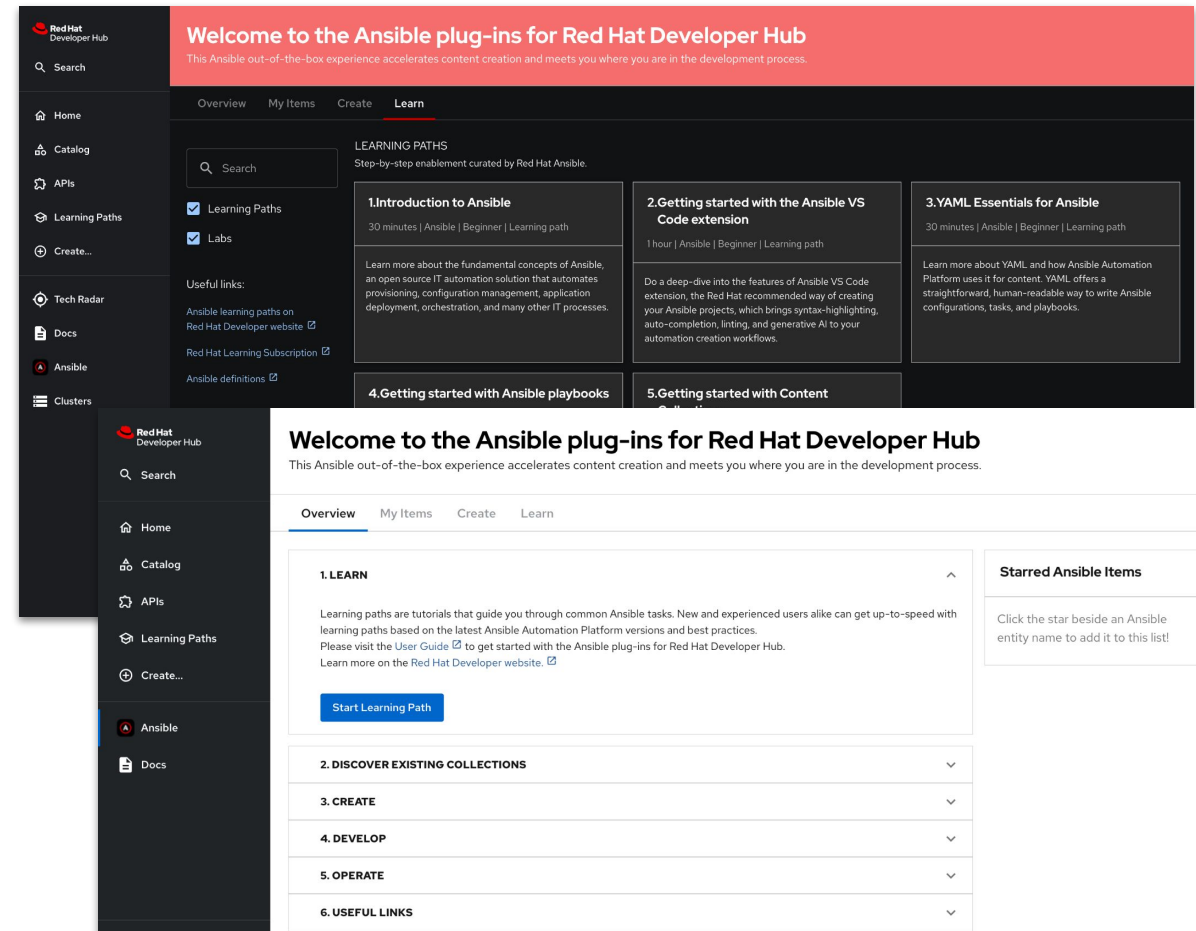


- > A comprehensive suite of **enterprise-grade** automation development capabilities that are curated and supported to make it easier for automation developers to create, test, and deploy Ansible content
- > **Available in Dev Container format through Red Hat Container Registry to allow support for content creation on MacOS, Windows and other Linux Platforms(in addition to RHEL).**
- > Integrates easily into existing secure pipelines, enabling more experienced content creators to write Ansible content quickly and accurately
- > Dedicated tooling for establishing a trusted software supply chain (`ansible-sign`)

# Ansible plugins for Red Hat Developer Hub (Backstage)

Tools for building and maintaining a vibrant automation Community of Practice

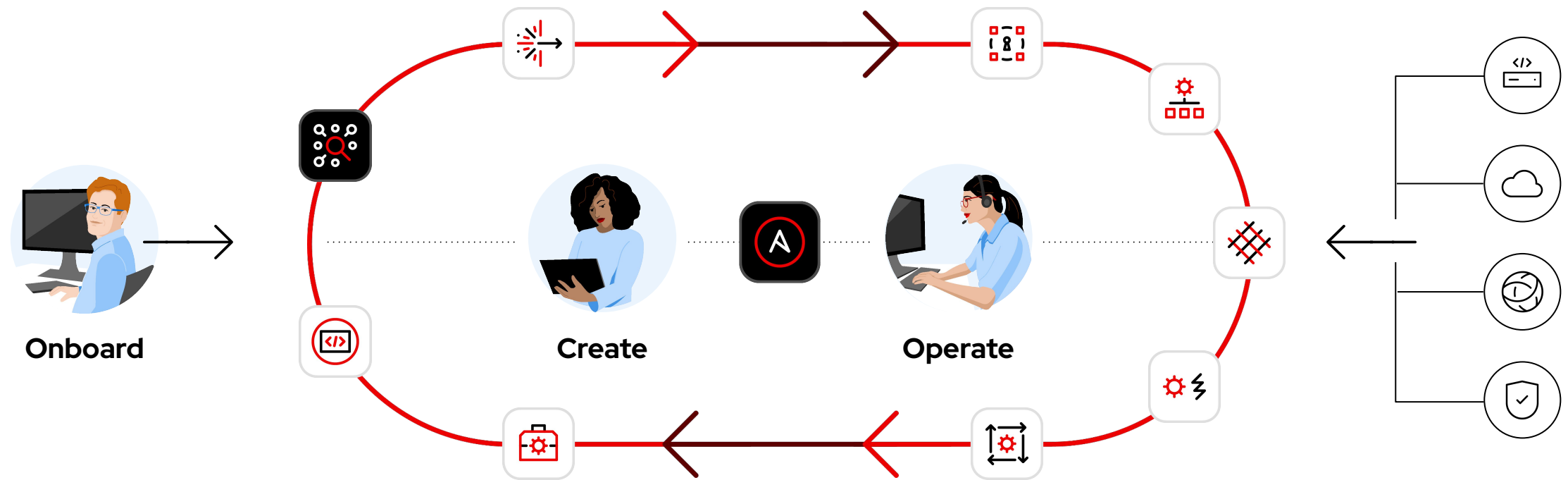
- An Ansible-specific portal experience featuring learning paths, labs, and other user onboarding resources, all designed to help your organization:
  - ✓ Onboard new users faster
  - ✓ Improve developer productivity
  - ✓ Reduce friction, context switching, and frustration
  - ✓ Get faster time-to-value from your automation investment
  - ✓ Establish better governance, consistent control, and more trust
- Enables push-button Ansible Playbook and collection creation with opinionated best practices
- RBAC integration with [Red Hat Developer Hub](#)
- Optional integration with OpenShift Dev Spaces



# Centralized Ansible Community of Practice platform

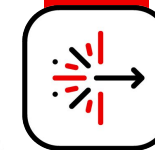
Maximize efficiency, improve consistency, increase reliability

Ansible plug-ins for Red Hat Developer Hub · Ansible Lightspeed · Private automation hub · Automation controller · Automation mesh



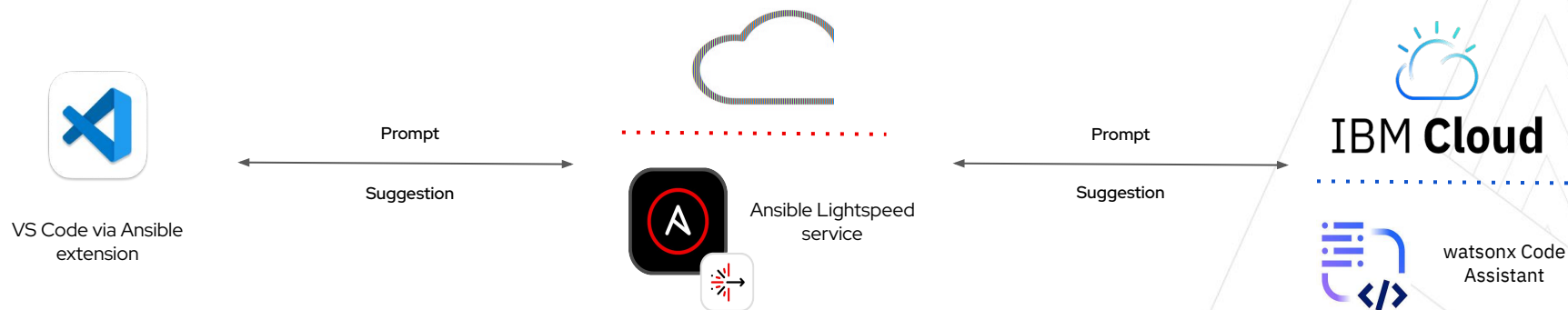
Ansible development workspaces · Ansible development tools · Event-Driven Ansible · Platform Operators

# Ansible Lightspeed. Generative AI the Ansible way.



## Supported Deployment Options

### Option 1: SaaS Offering



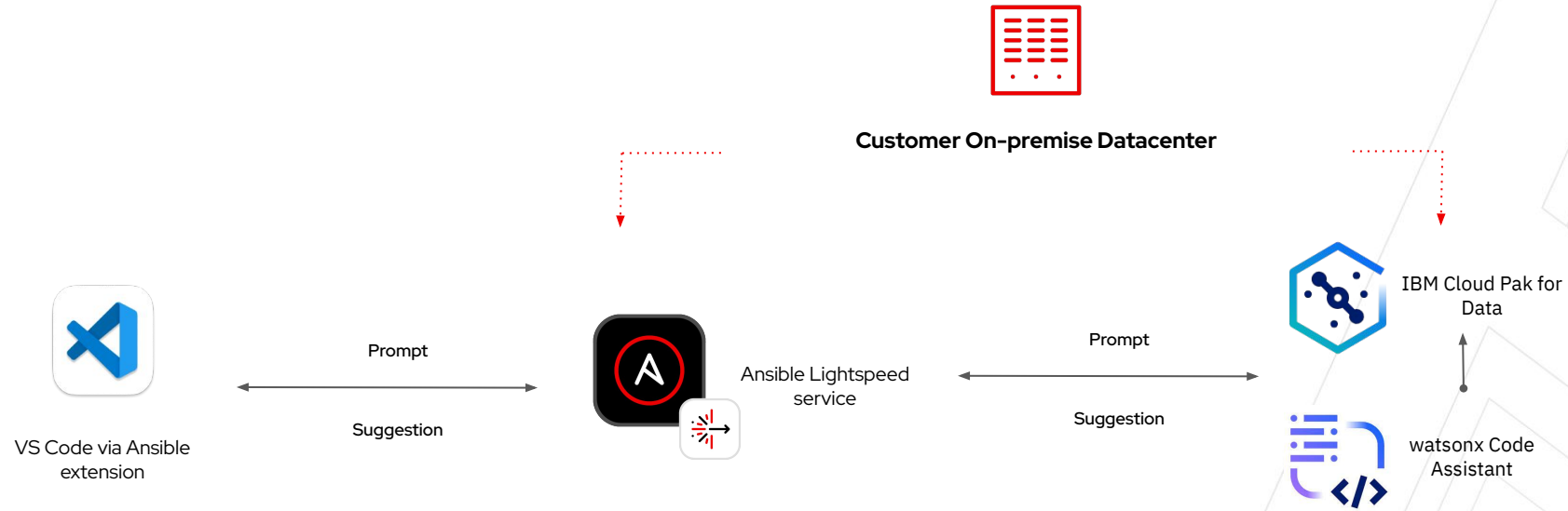
- Generally available
- Includes full Ansible Playbook generation
- Getting started (Ansible Automation Platform customers):
  - Activate IBM Cloud account with IBM AND
  - Activate Ansible Lightspeed service with Red Hat
  - See also: [Getting started with Ansible Lightspeed for watsonx Code Assistant](#)



# Ansible Lightspeed. Generative AI the Ansible way.

## Supported Deployment Options

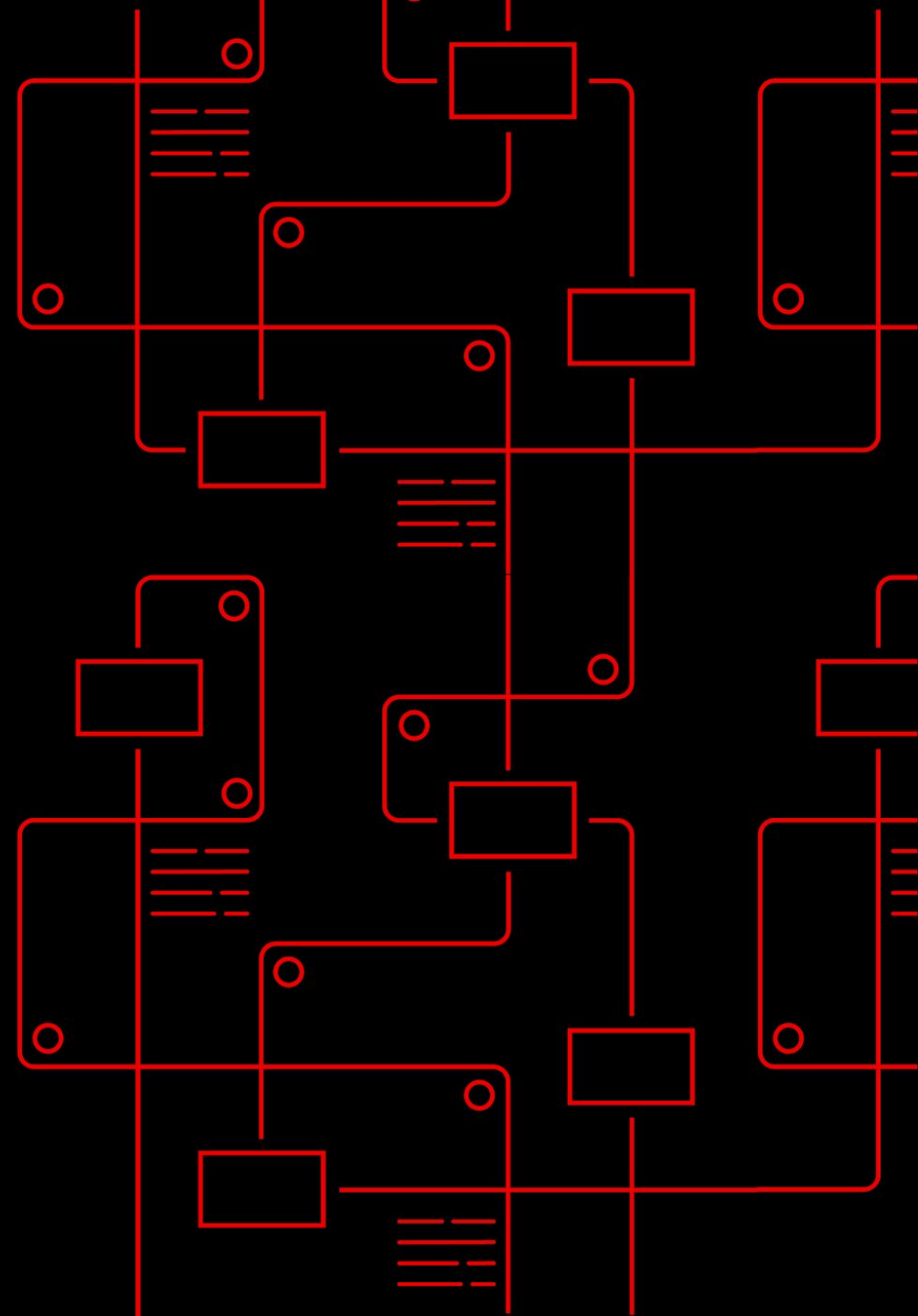
### Option 2: On-premise Offering



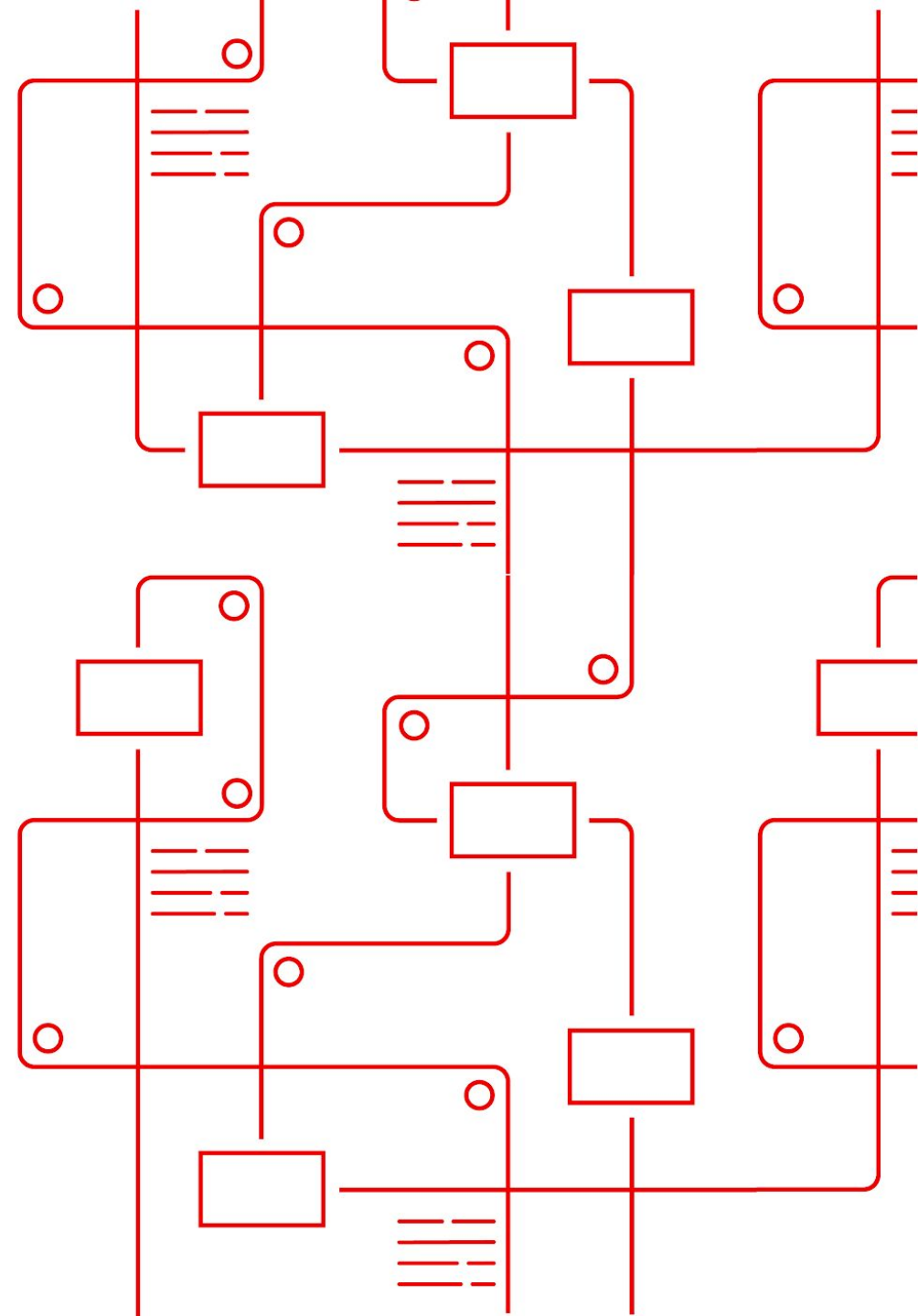
- Ansible Lightspeed service w/ WCA with Cloud-Pak-for-Data
- Ansible Playbook generation support planned for Q3 2024
- Get started:
  - Deploy Ansible Lightspeed service on OpenShift
  - Contact IBM for watsonx Code Assistant pricing and more information



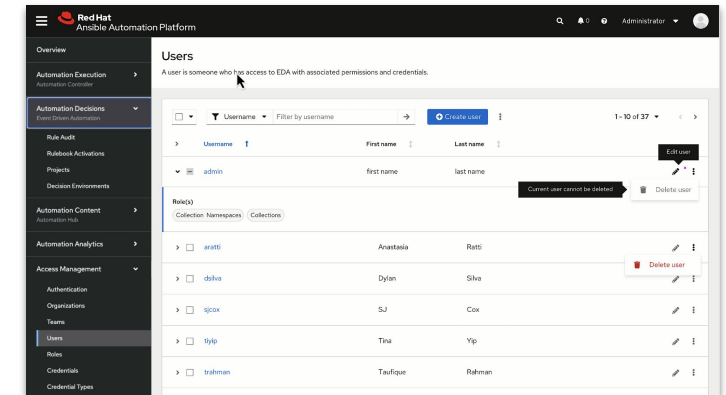
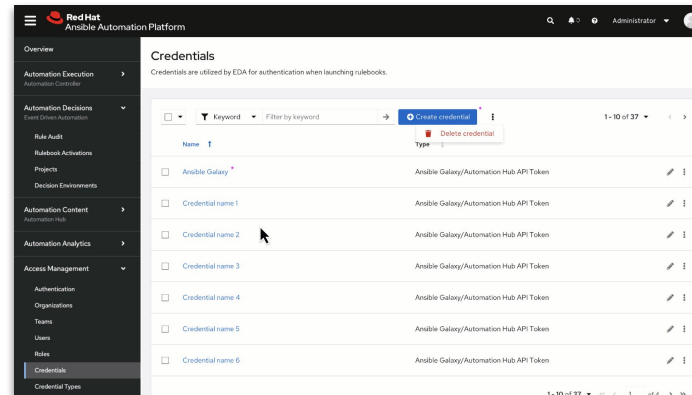
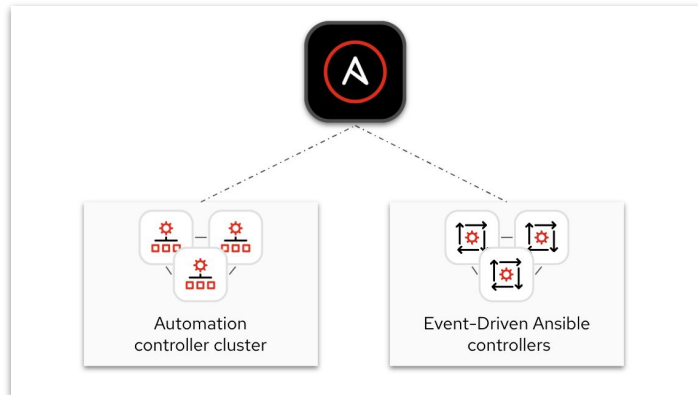
# Scaling Automation Demo



# Mission Critical



# Mission Critical



## High availability + scalability

- Increased resiliency through Active/Active failover between multiple deployments
- Easily configurable via bundled installer or OpenShift Operator

## Credential management

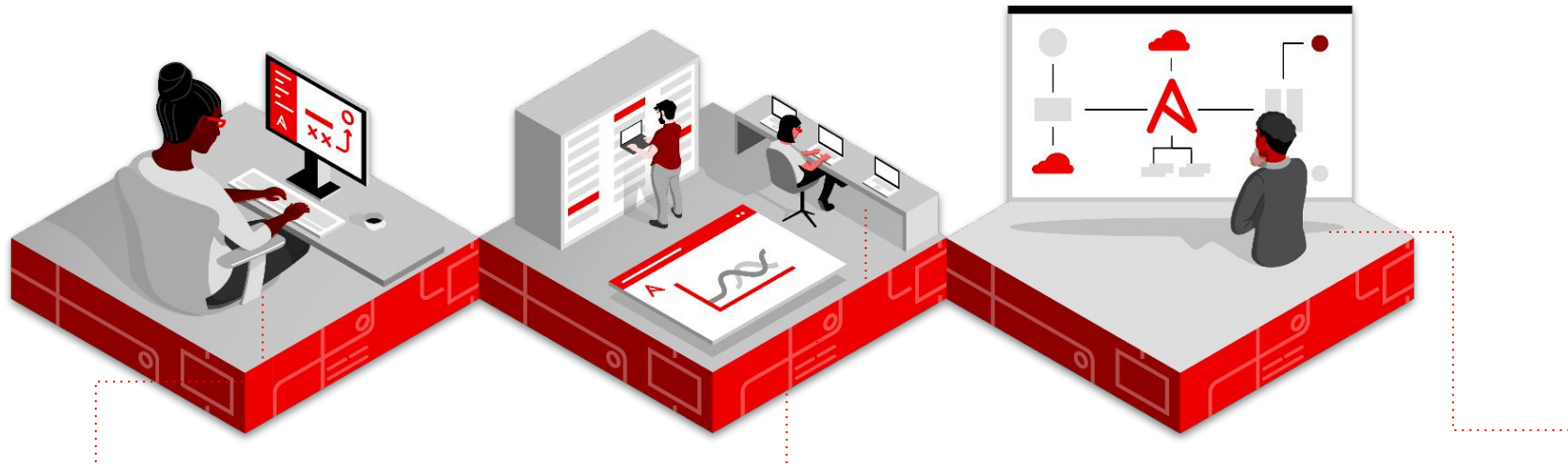
- Enterprise Credential Management for securing Event Sources.
- Encrypted Credentials can be passed to Event Sources or Event Streams can be configured with Credentials to secure event authentication.

## Integrated platform experience

- Event Driven Ansible is now a fully integrated Ansible Automation Platform component.
- Leverages platform features such as Unified UI, Centralized RBAC, Single-Sign On and 3rd Party Authentication like LDAP.

# Event-Driven Ansible | Event Streams

## Example use cases



As a **developer**, I would like to reload and refresh my web servers when I commit new code to my repo.

As a **virtual infrastructure administrator**, I would like that when the system detects virtual machines that have not been used for 1 month that EDA is sent an event to call automation that archives the virtual machine and reclaims the resources in the datacenter.

As a **Service Now administrator**, I want to be able to execute ansible automation that will automatically fail over my data center if the number of support tickets that alert me to network failure goes above my threshold.

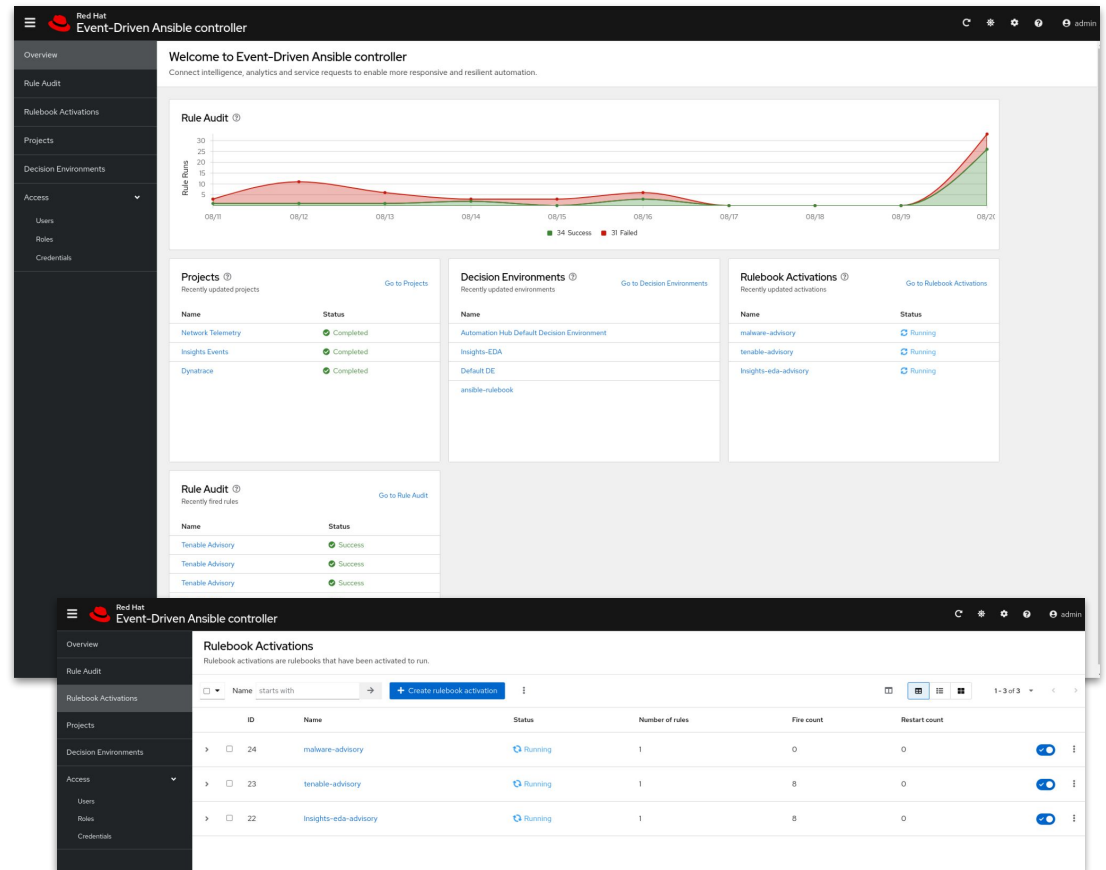
# Event-Driven Ansible | Event Streams

Build more connections for orchestrating across your stack

We are excited to introduce *event streams* as part of the AAP 2.5 release. This new feature greatly simplifies how event routing works to get events from their source to your rulebooks.

*Event streams* are an easy way to connect sources to Ansible Rulebooks, and they enable:

- Webhook-based sources, automatically routed to one or many configured rulebook activations.
- EDA to handle delivery of events to horizontally scaled rulebook activations.
- EDA to receive events from even more sources. Any system that can emit webhooks (*GitHub*, *Service-Now*, *Gitlab*, etc.) can now directly send events for Ansible Automation Platform to process.



# Event-Driven Ansible | Integrations

Established



IBM Turbonomic



New for AAP 2.5



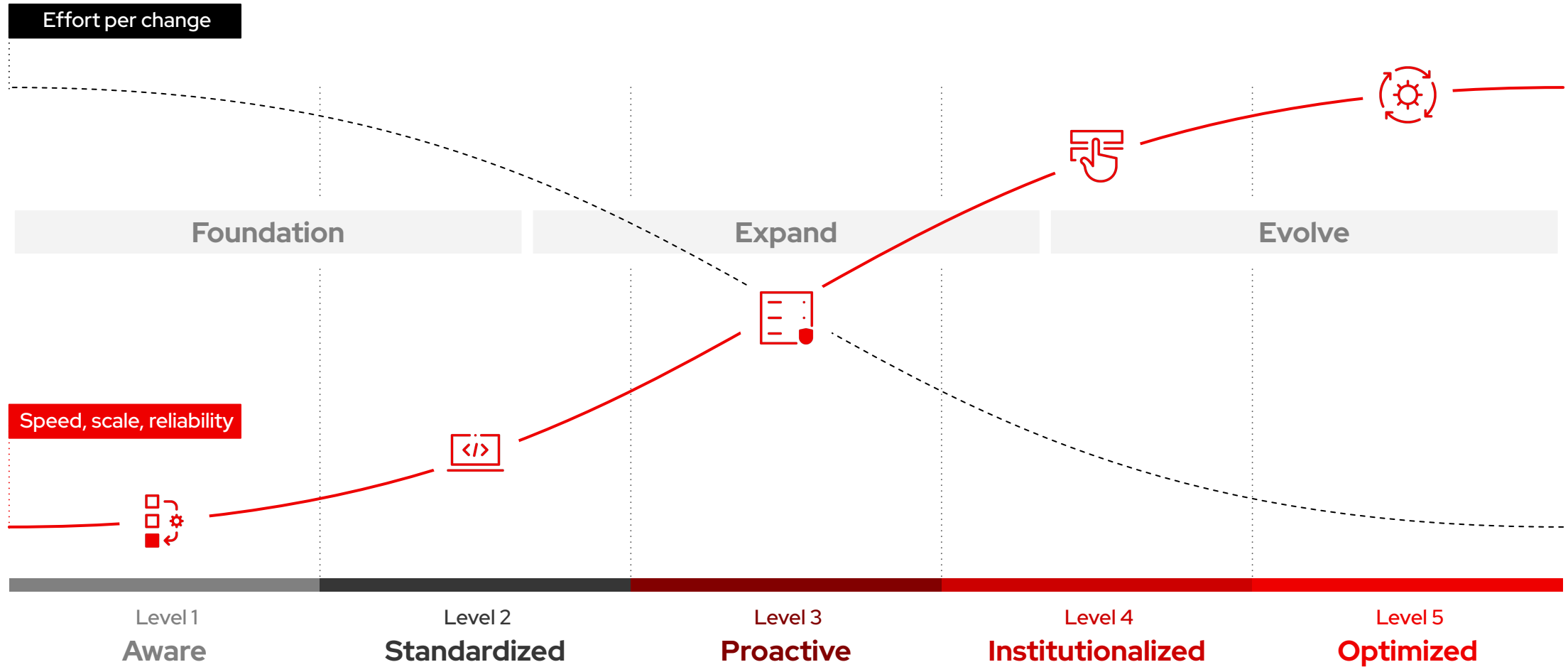
Coming soon



\*V2



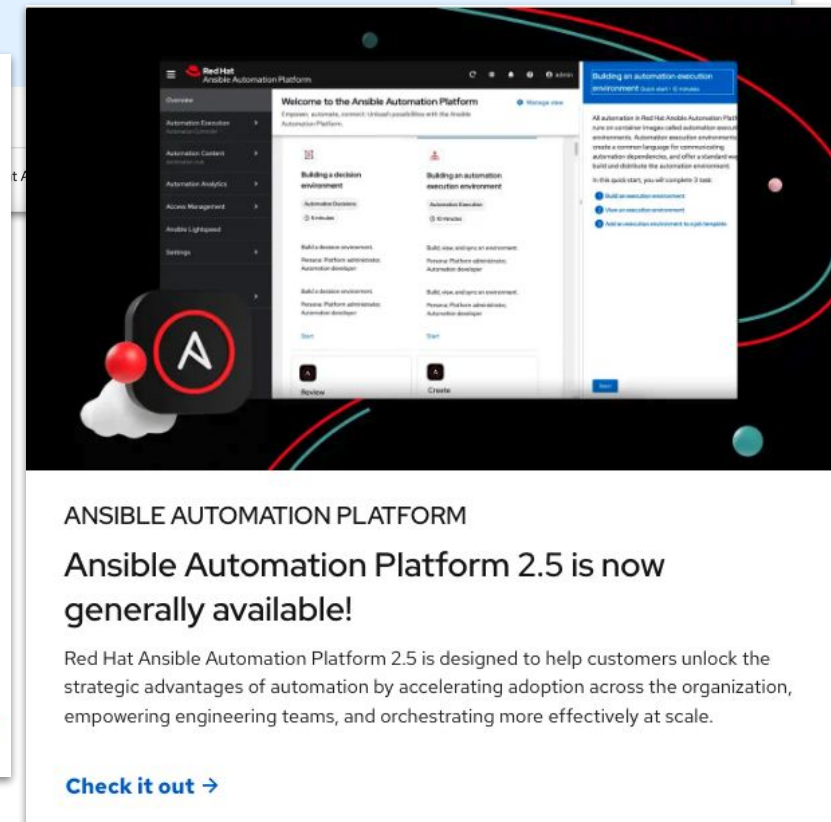
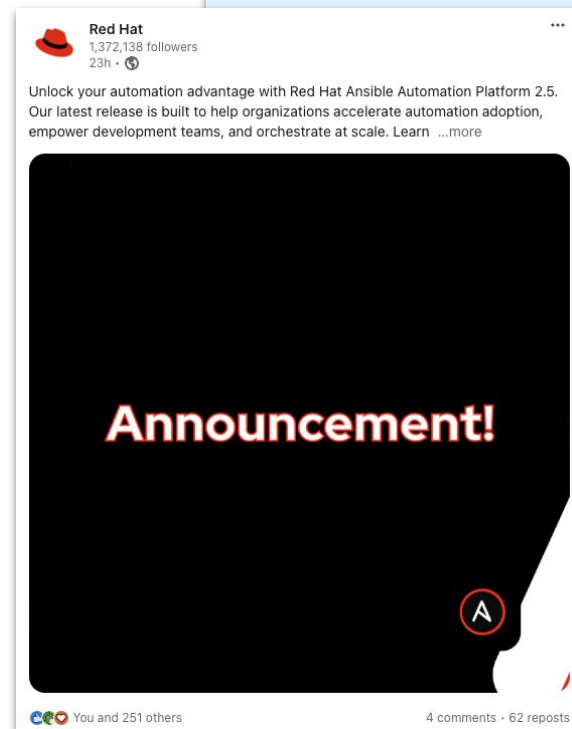
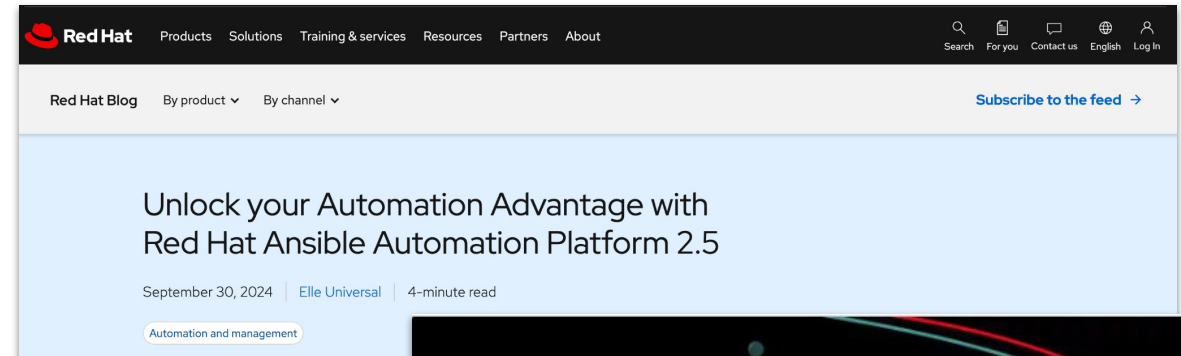
# Automation Productivity





# Product Delivery Update

- > Ansible Automation Platform 2.5:  
**GA on September 30th**
- > Upgrade path from Ansible Automation Platform 2.4:  
**GA on October 28th**



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