

Ansible Automation Platform 2.5

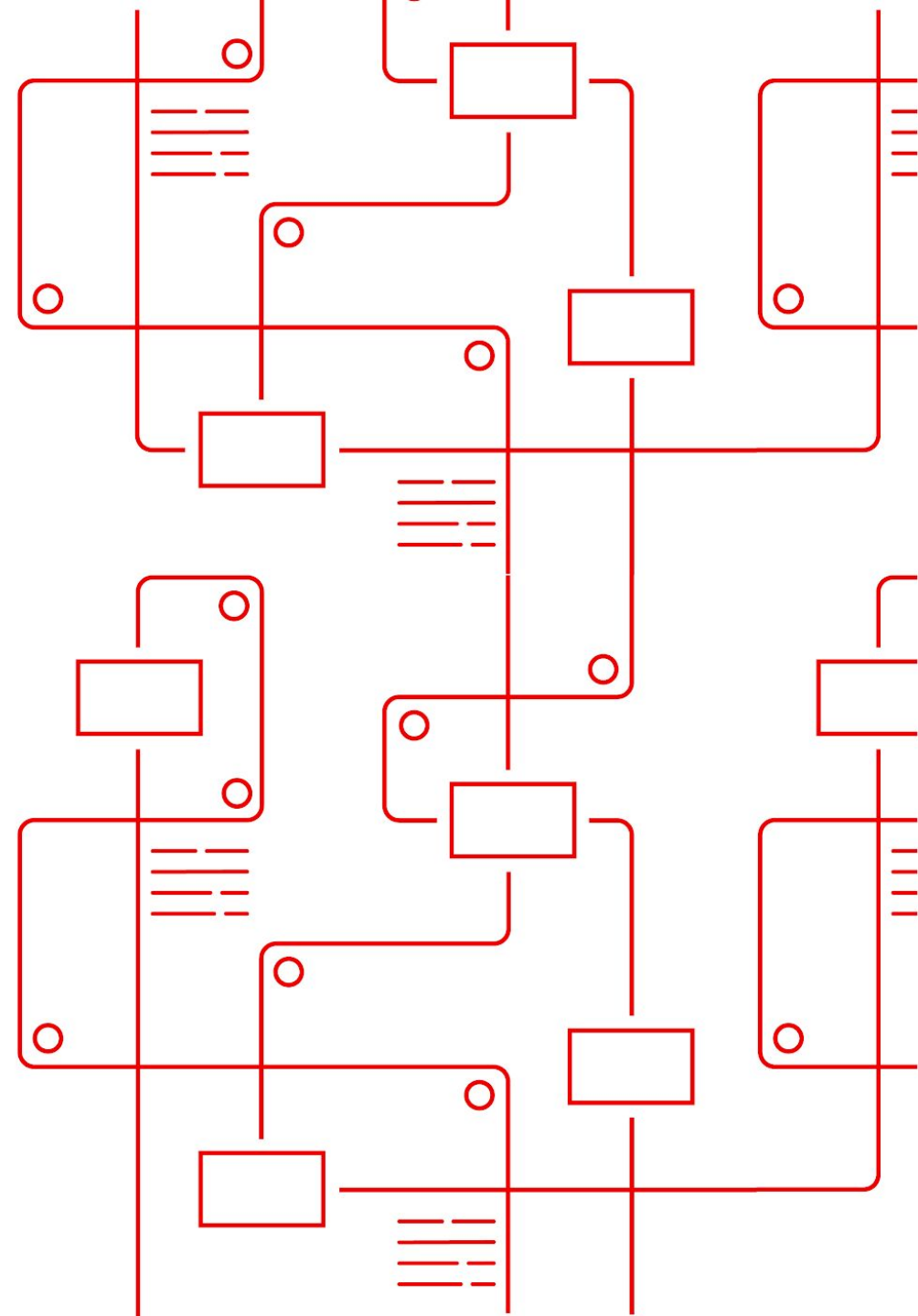
What's new & Roadmap

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Accelerate automation adoption



Accelerate automation adoption

Empower automation engineers

Orchestrate across the enterprise

Upgrade Path

Next steps + resources

Accelerate automation adoption



Unified UI

- > A new and improved interface that delivers a consistent, centralized experience for operators, developers and platform administrators.



Containerized installation

- > A new deployment type for those wishing to use containers for AAP, but don't need or want to deal with the complexity of Kubernetes, built on proven foundation of RHEL and Podman.



Ansible Quick Starts

- > A new guided experience on how to perform all common platform tasks quickly and easily, enabling new users in your organisation to learn the pieces of Ansible Automation Platform that are most relevant to their needs



New collections for managing AAP

- > New "out of the box" content collections that provide enhanced capabilities for getting the most out of Event-Driven Ansible and more effectively centralizing authentication, authorization, and accounting.

New unified UI for a more cohesive platform experience

Release overview

Accelerate
automation
adoption:
Unified UI

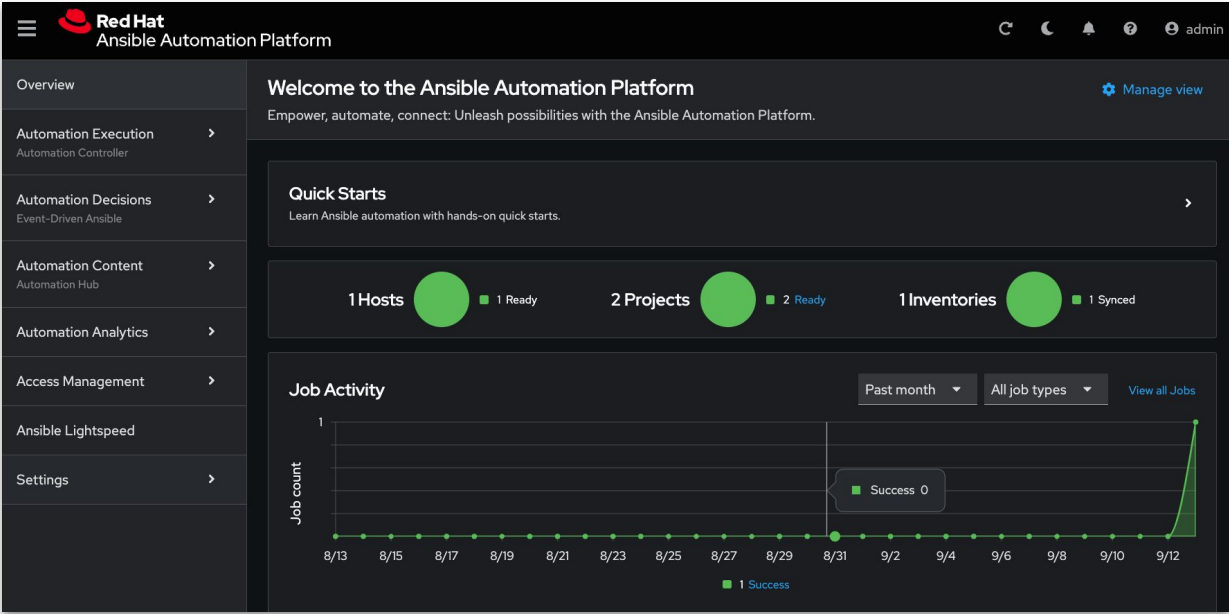
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engineers

Orchestrate
across the
enterprise

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Next steps +
resources

- > 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)
- > Use Ansible Analytics directly within the unified UI to generate reporting at scale.
 - > *Automation Calculator*: ROI reporting to demonstrate the value and impact of automation initiatives .
- > Upgrades in AAP 2.5 lay the foundation for future enhancements to the Day 2 operations platform experience.



Containerized platform installation

Release overview

Accelerate automation adoption:
Containerized install

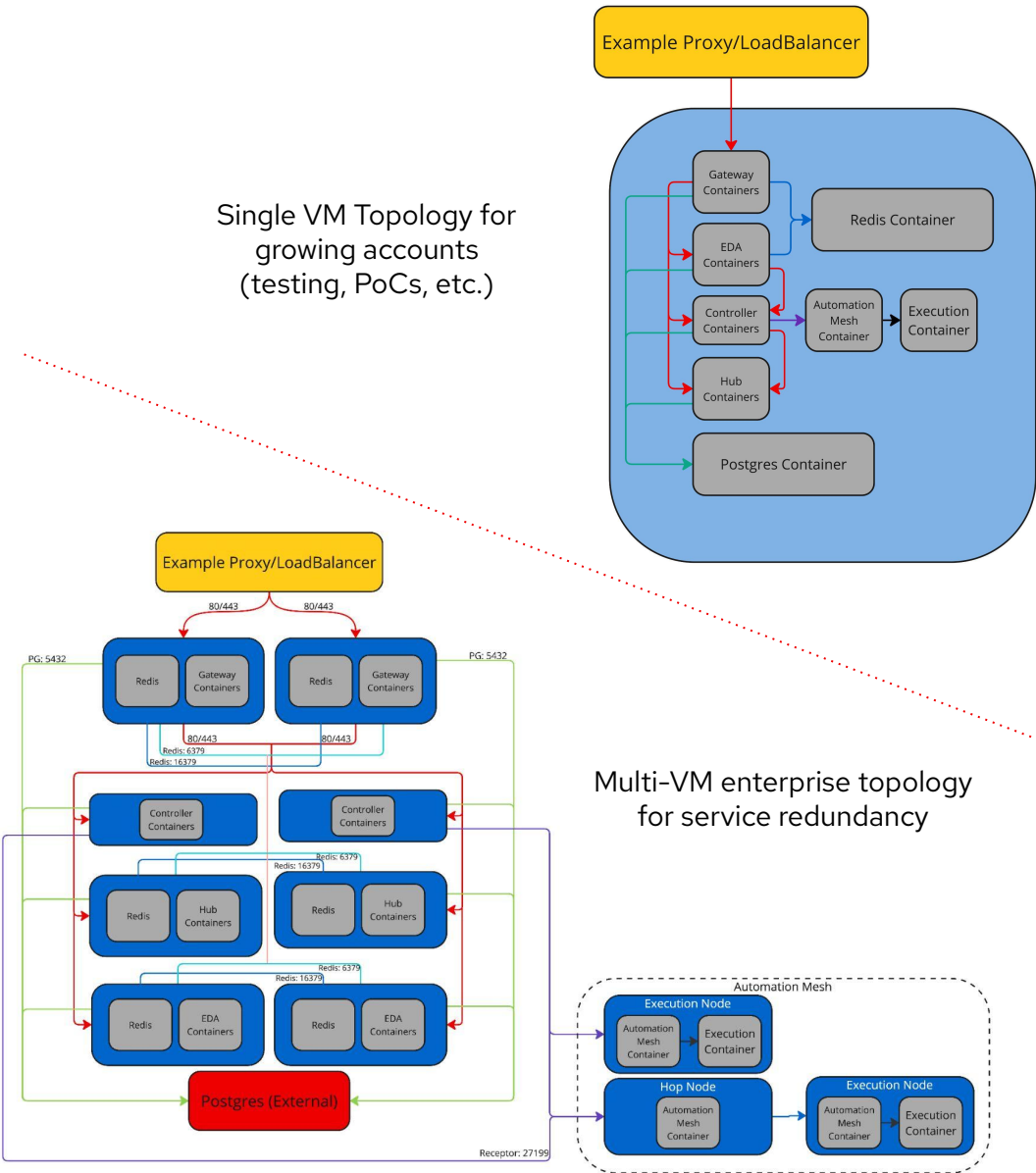
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Next steps + resources

- > A new deployment type for those wishing to use containers for AAP but not fully embrace or need the complexity of kubernetes
- > Underpinned with proven RHEL and podman technologies
- > Smallest AAP platform footprint potential from just a single VM
- > Scalable to enterprise standards as per other recommended deployment options
- > Designed specifically for environments where ease of installation, minimal footprint are essential
- > Exact same platform functionality as any other AAP deployment option
- > Ability to seed automation content and configuration at installation time providing a one-stop solution



Release overview

Accelerate
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adoption:
Ansible quick
starts

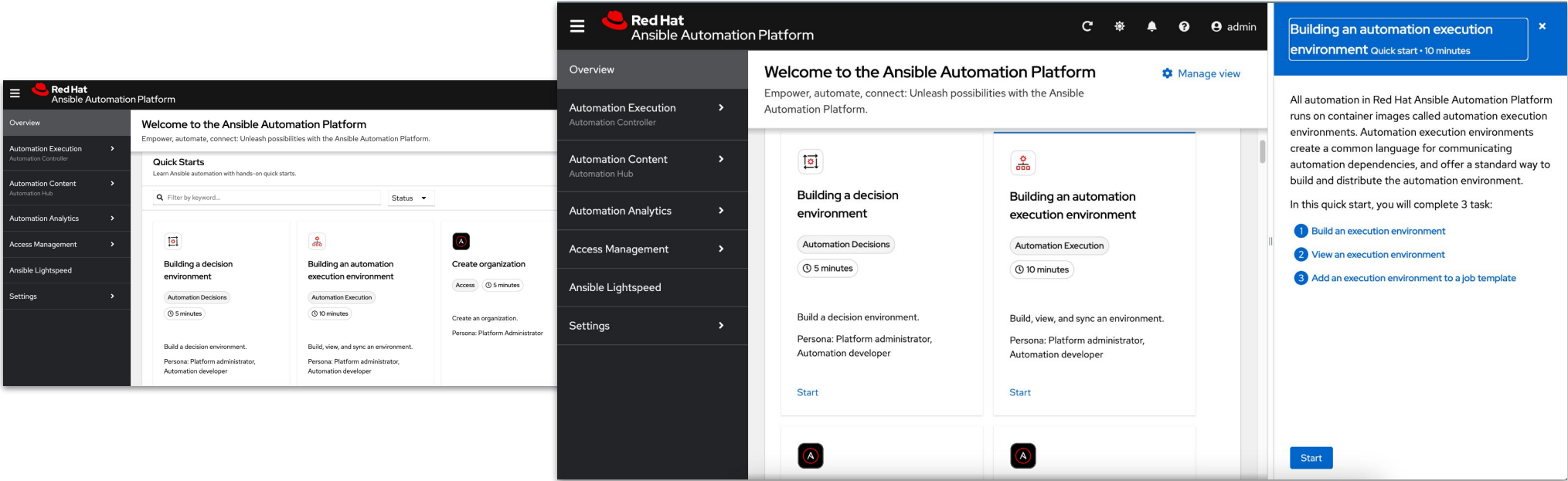
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Ansible quick starts



- New interactive, step-by-step guides for getting started quickly with key Ansible Automation Platform tasks and functions, accessed directly in the platform GUI
- Enable new users in your organization to learn the pieces of Ansible Automation Platform that are most relevant to their needs
- Create pre-configured 'units' of automation such as execution environments and decision environments that teams can use as consistent, compliant project jump-starts, and establish the building blocks for running a centralized automation practice with flexibility and control

New collections for managing AAP

Release overview

Accelerate automation adoption:

New collections for managing AAP

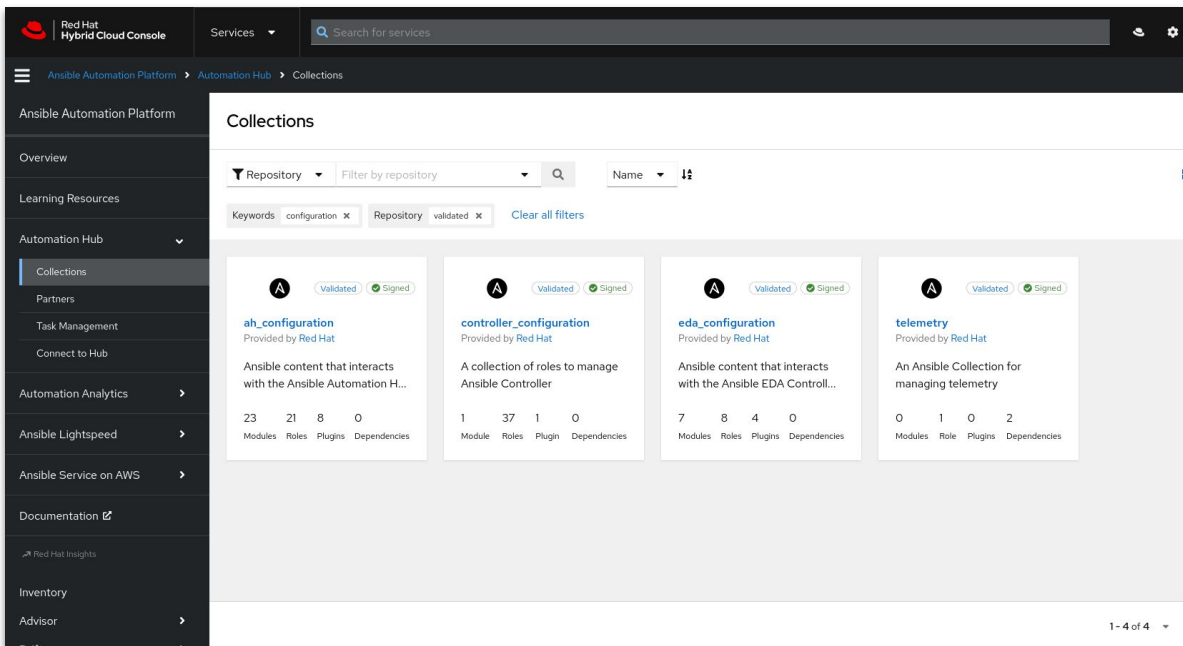
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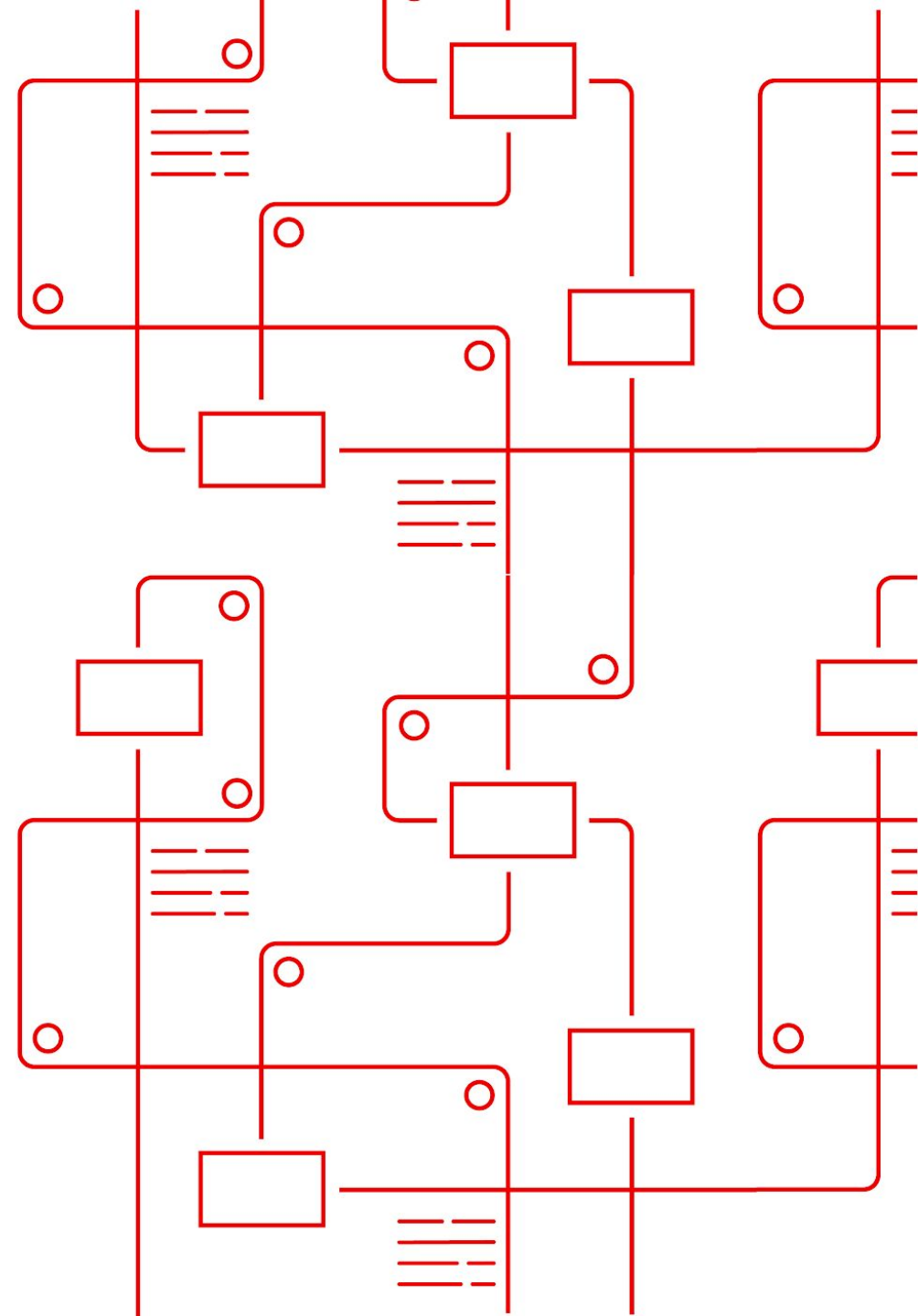
Upgrade Path

Next steps + resources

- > Use Ansible Playbooks to configure and manage AAP with new and updated content collections for automating your automation'
- > Use a standardized gitops 'as-code' approach to provide both automation content and platform configuration
- > New or updated **certified** collections for platform services configuration:
 - > **ansible.hub** for Automation Hub **new**
 - > **ansible.eda** for Event Driven Ansible controller **updated**
 - > **ansible.controller** for Automation controller **updated**
 - > **ansible.platform** for configuration of centralized platform services **new**
- > New or forthcoming **validated** collections:
 - > **infra.hub_configuration**
 - > **infra.platform_configuration**
 - > **infra.controller_configuration**
 - > **infra.eda_configuration**

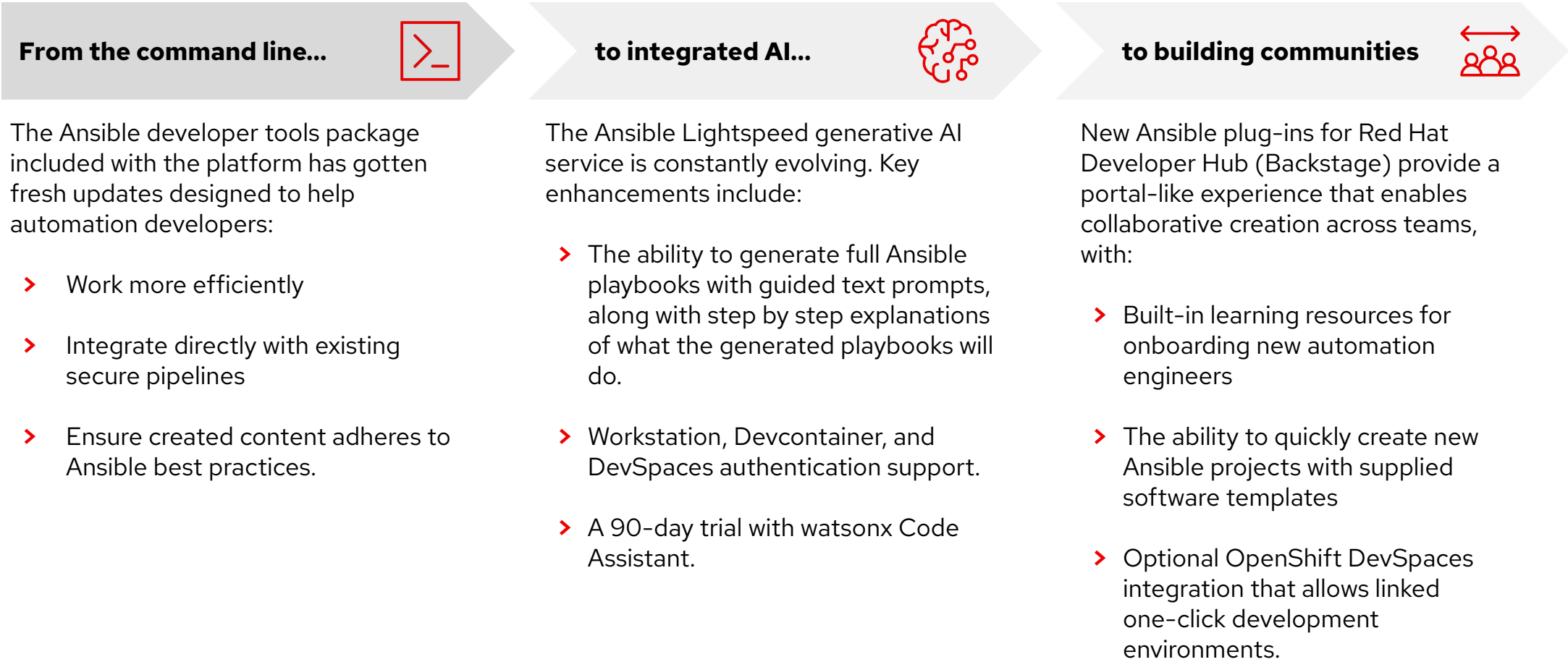


Empower automation engineers



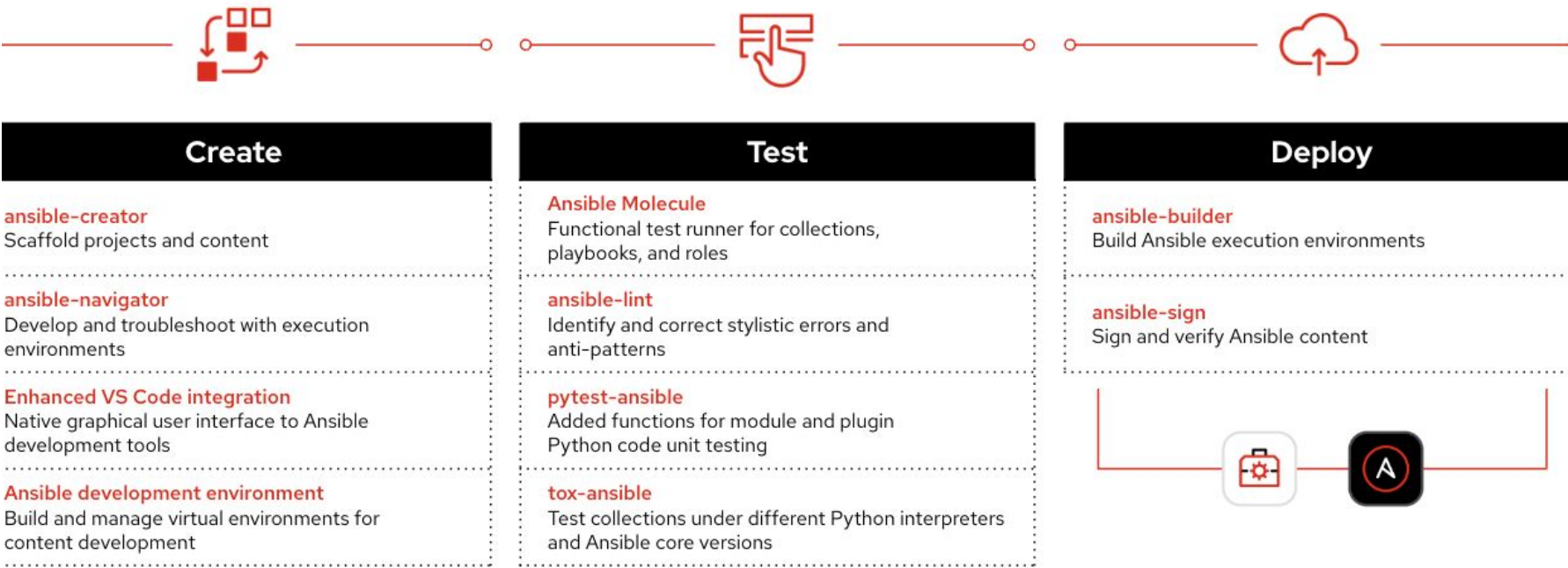
Empower automation engineers

Integrated development capabilities designed to bolster efficiency for a range of skill sets across the entire automation creation lifecycle.



Ansible development tools

Supported, enterprise-grade components to enable building, testing, and deployment of Ansible



- > A comprehensive suite of **enterprise-grade** automation development capabilities that are packaged, curated, supported, and opinionated to make it easier for automation developers to build, test, and deploy Ansible content
- > 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)

Upgrades to Red Hat Ansible Lightspeed with IBM watsonX code assistant

Release overview

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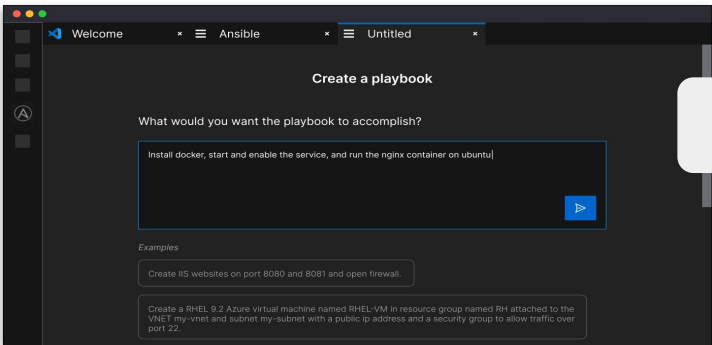
**Empower
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engineers:**
Ansible
Lightspeed
upgrades

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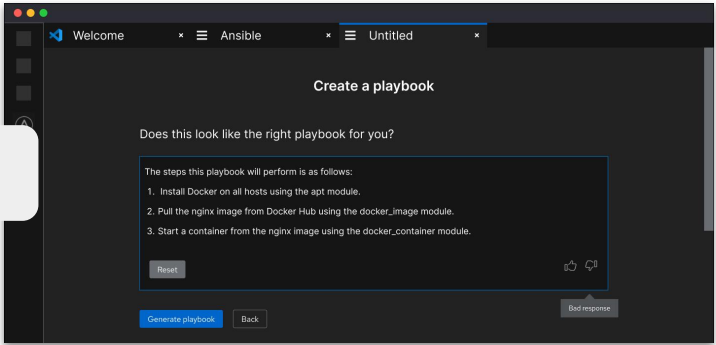
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Next steps +
resources

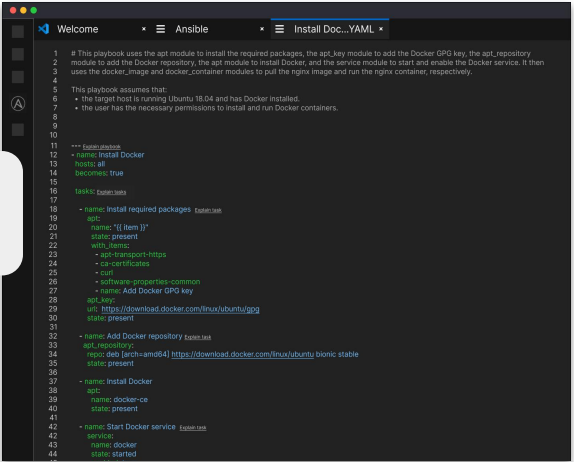
- > New capabilities and features that expand the impact of generative AI on the Ansible experience:
 - ✓ Integrated user guide interface for maximum ease of use
 - ✓ On-the-fly prompt refinement for better contextual clarity and correctness
 - ✓ Generation of a full Ansible Playbook with a simple text prompt
- > Workstation, Devcontainer, OpenShift Dev Spaces Authentication support.
- > On-prem deployment now available for disconnected/regulated environments
- > Easily let your teams gauge value for themselves with a [free 90 day trial of Red Hat Ansible Lightspeed with IBM watsonX Code Assistant](#)



Guided
interface



Prompt
refinement

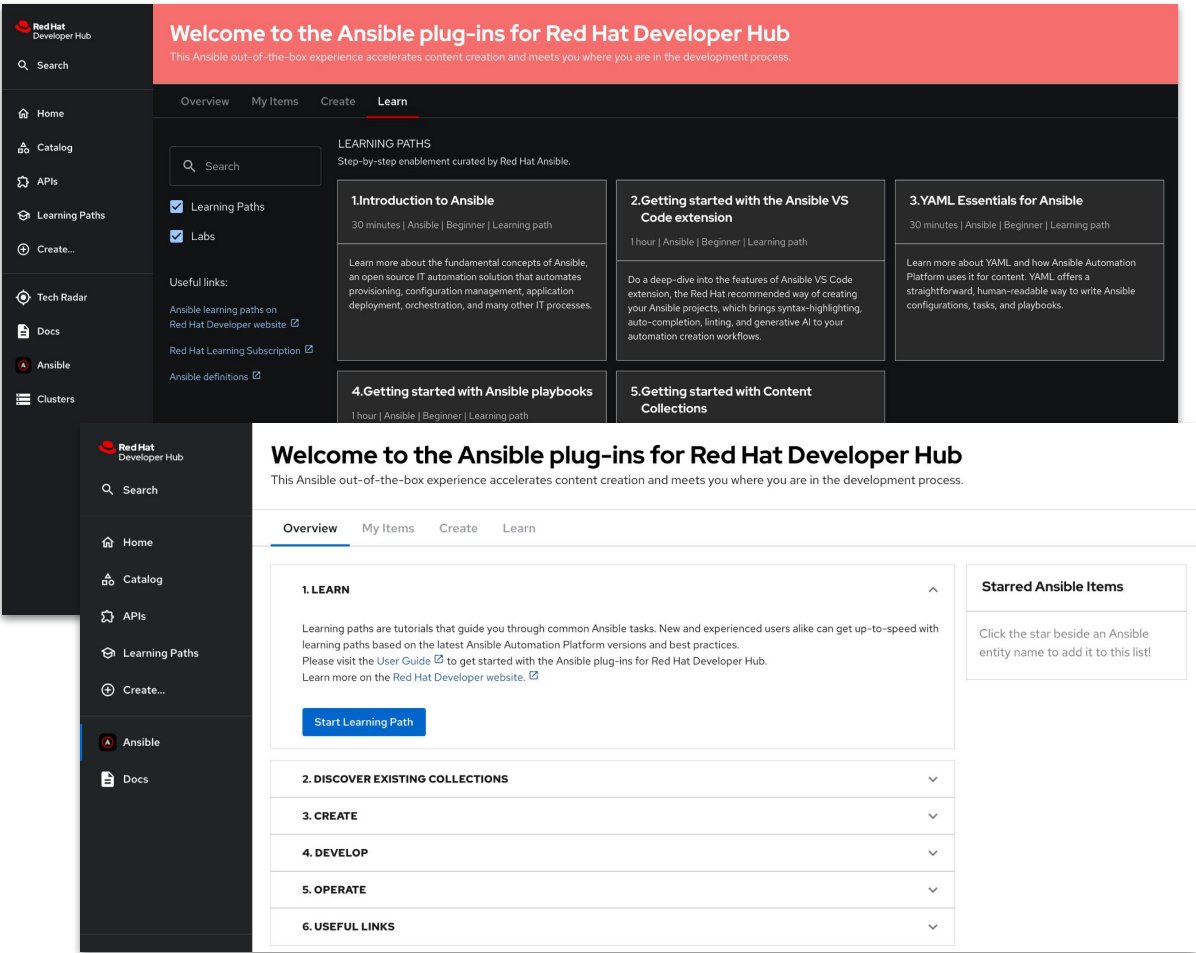


Full Playbook
generation

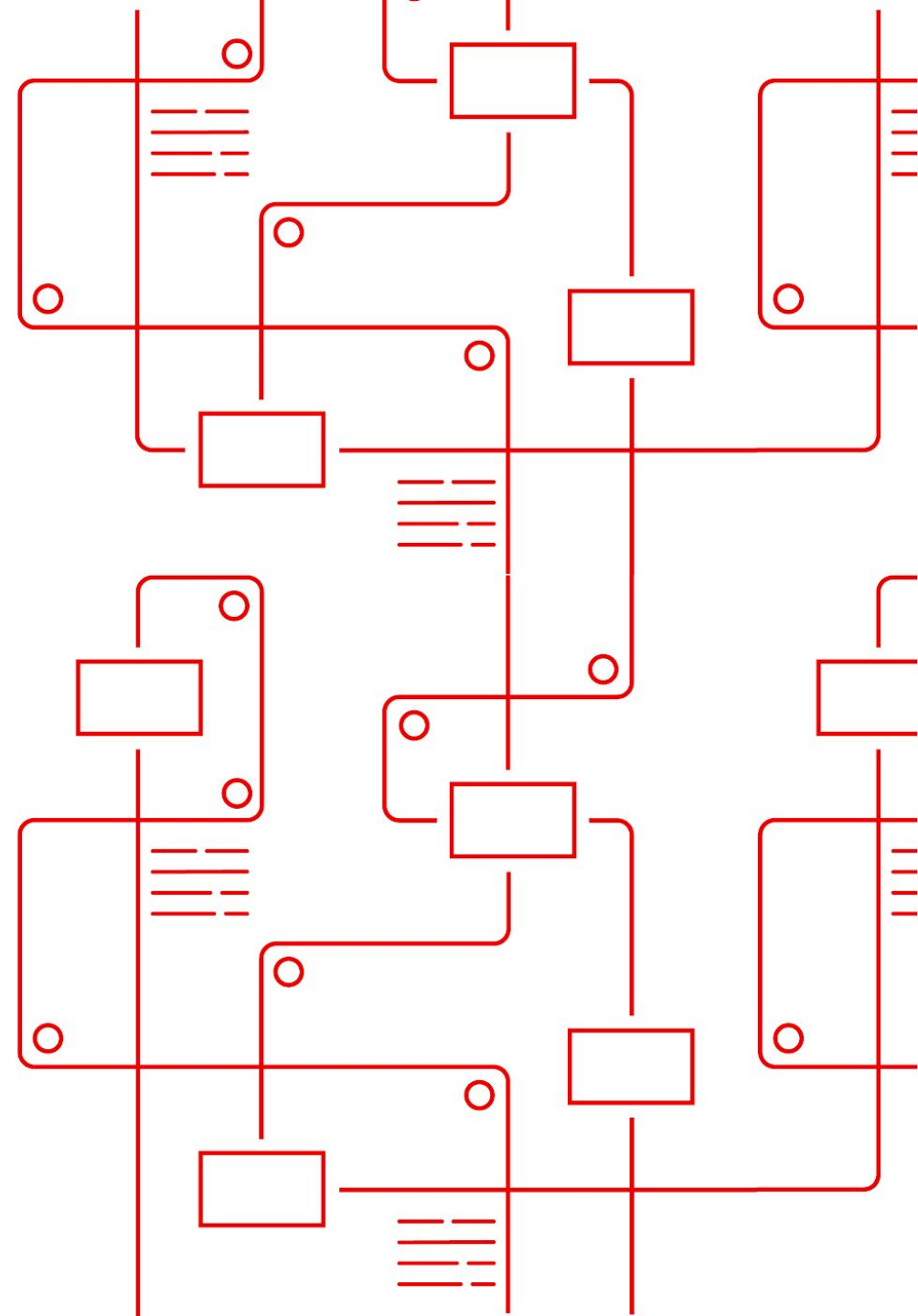
Ansible plugins for Red Hat Developer Hub (Backstage)

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



Orchestrate across the enterprise



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Advance your automation with the ability to automatically respond to changing IT conditions



Automate at scale

Take on any automation use case, across any IT domain, and tap into the huge ecosystem of Ansible technology partners and integrations



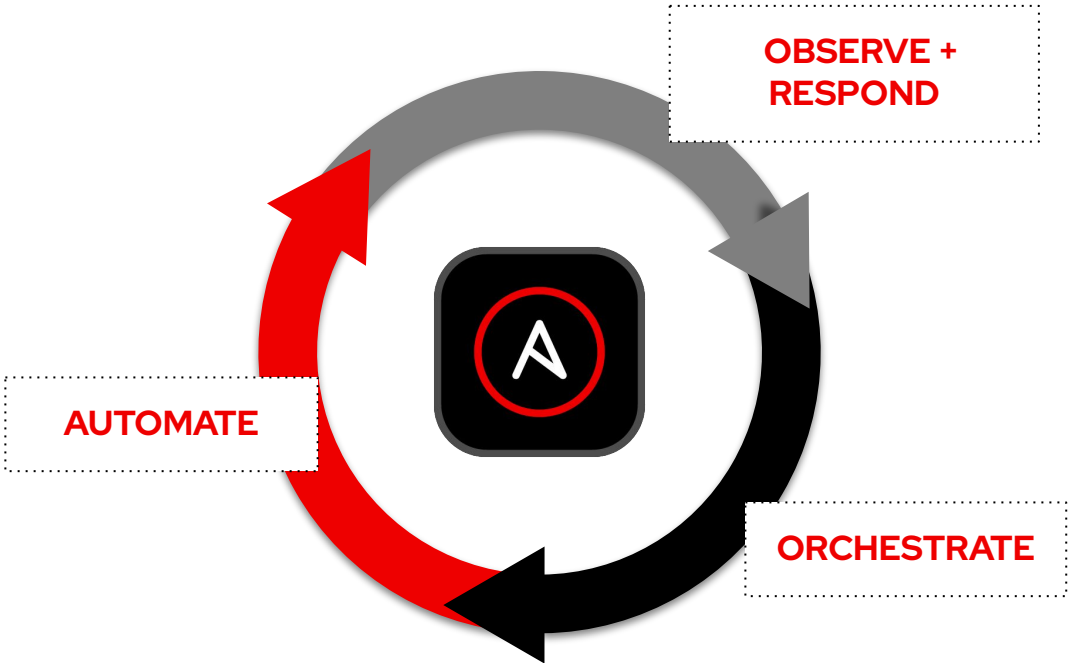
Turn intelligence into action

Event-Driven Ansible helps make your observability tools more actionable, turning events from a variety of sources into automated workflows.



Orchestrate across the enterprise

Make end-to-end automation a reality, with automated workflows that connect across the entire stack, integrate with all of your tooling, and use real-time intelligence from your observability platforms to deliver performance and resilience at scale.



Event-Driven Ansible | Event Streams

Build more connections for orchestrating across your stack

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Orchestrate
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enterprise:
Event-Driven
Ansible
Event Streams

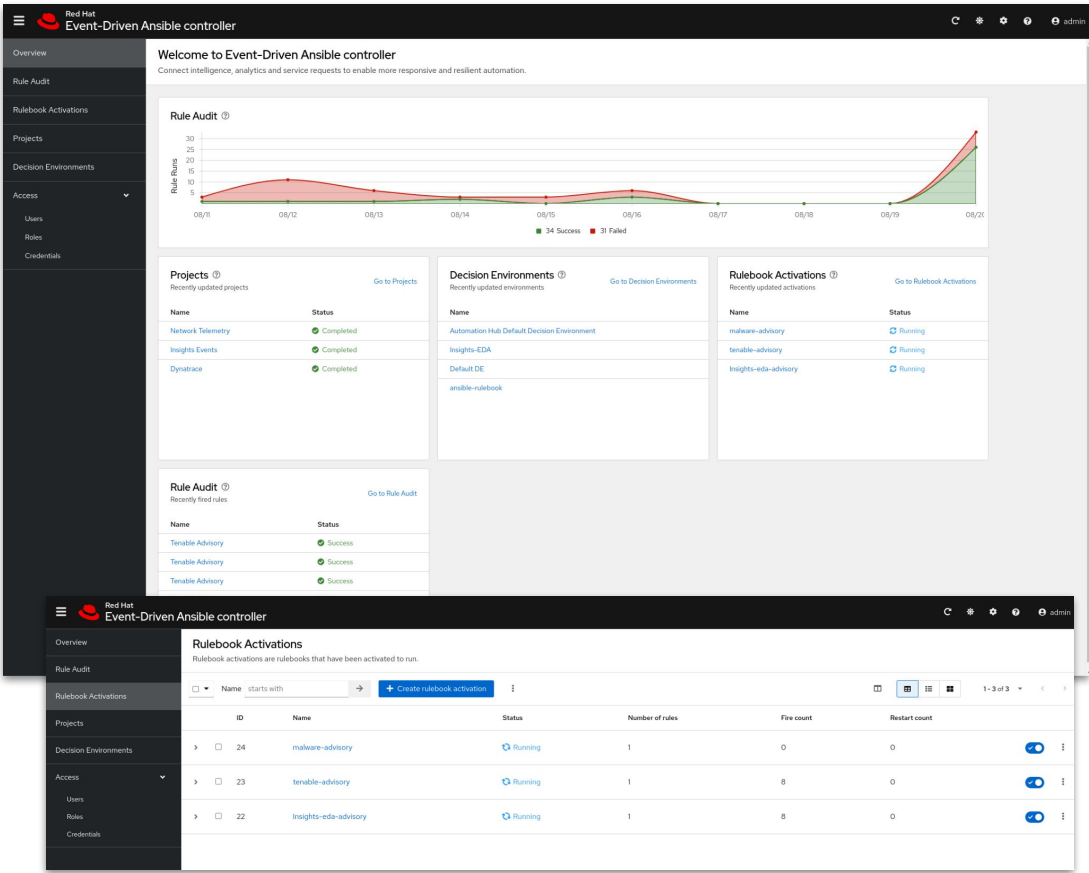
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Next steps +
resources

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.

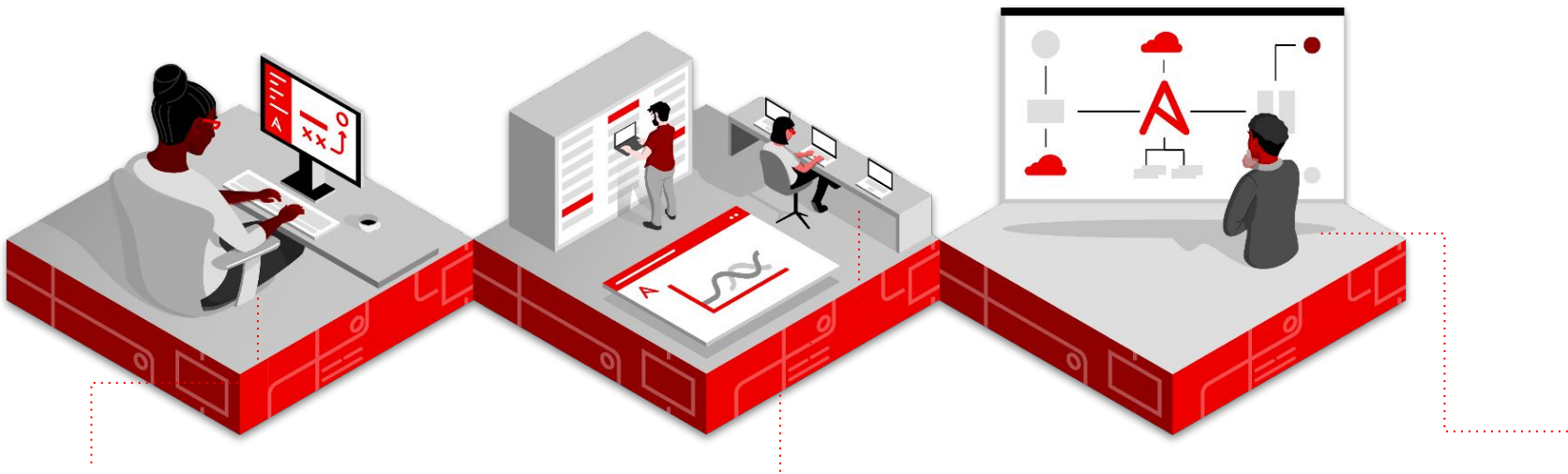
Event streams are an easy way to connect sources to Ansible Rulebooks, and they enable:

- > 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 | 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 | Enterprise enhancements

Release overview

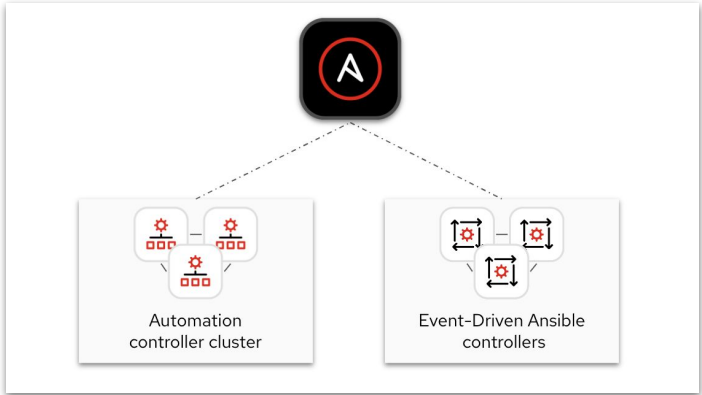
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*Event-Driven
Ansible*
Enterprise
enhancements

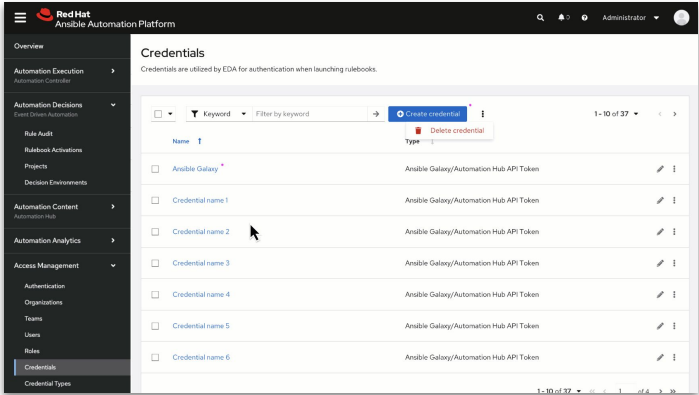
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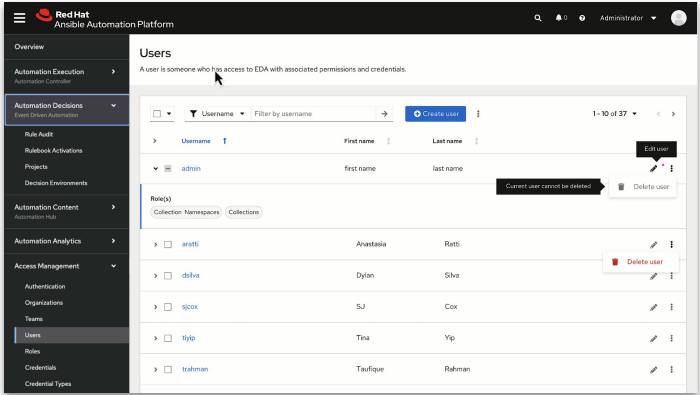
High availability + scalability

- 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 | Integrations

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*Event-Driven
Ansible
Integrations*

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Established



IBM Turbonomic

INSTANA
an IBM Company



New for AAP 2.5



Coming soon



*V2



Ecosystem integration updates and enhancements

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enterprise:**
Ecosystem
integration
updates

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Next steps +
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General updates

- > Enhanced Content Collection experience designed to make it easier to find, promote, and consume Ansible content within the platform.
- > **12** new collections certified
- > New partners added, deepening the Ansible ecosystem:
 - > **Automatics.AI**
 - > **H3C**
 - > **Kentik**
 - > **Netbox**
 - > **Opengear**
 - > **Zscaler**

Infrastructure / OS

- > Extended support for **Microsoft Windows Server**, including automation of Active Directory use cases.
- > **ServiceNow** / Event-Driven Ansible collection for providing outbound notifications from SNOW to EDA
- > **Terraform** Inventory plug-in to use Terraform state files as an AAP inventory source, and review Terraform plan output before applying it to a workflow.

Virtualization

- > Extended support for **VMWare**, leveraging both SOAP and REST APIs. This includes support for vSphere 6, 7 and 8 plus Validated Content for key use cases

Networking + Edge

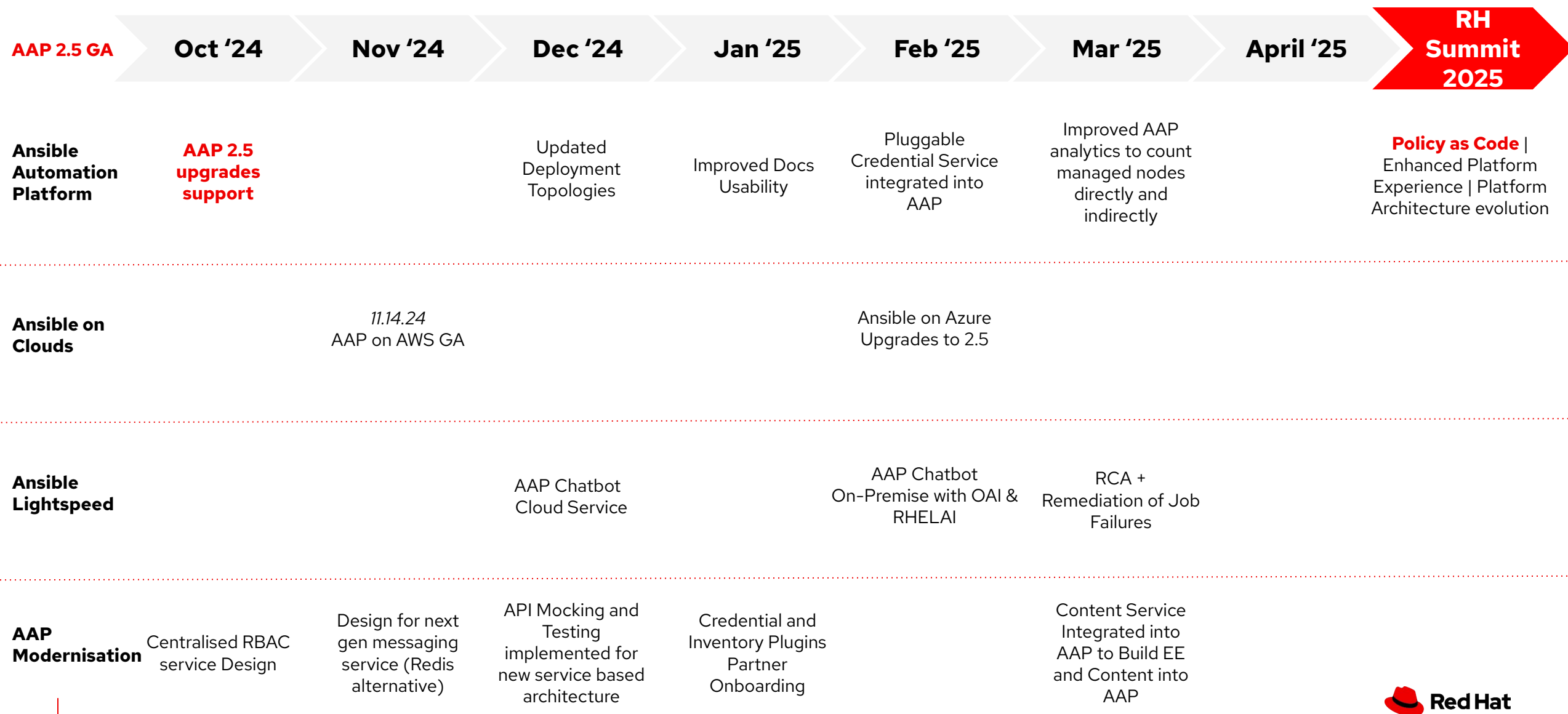
- > New **Cisco** Intersight Collection to better manage UCS landscape with Intersight
- > New **Cisco Meraki** collection to automate Meraki cloud-controlled remote devices. New NetBox Labs collection to integrate with Network Sources of Truth.
- > New **Validated Content** for configuration backups, routing protocols, interfaces lifecycle, and GitOps scenarios. And new resource modules for vrf, EVPN-VXLAN configuration lifecycle.

Cloud

- > Improved **Azure** collections to support Managed Identity Providers

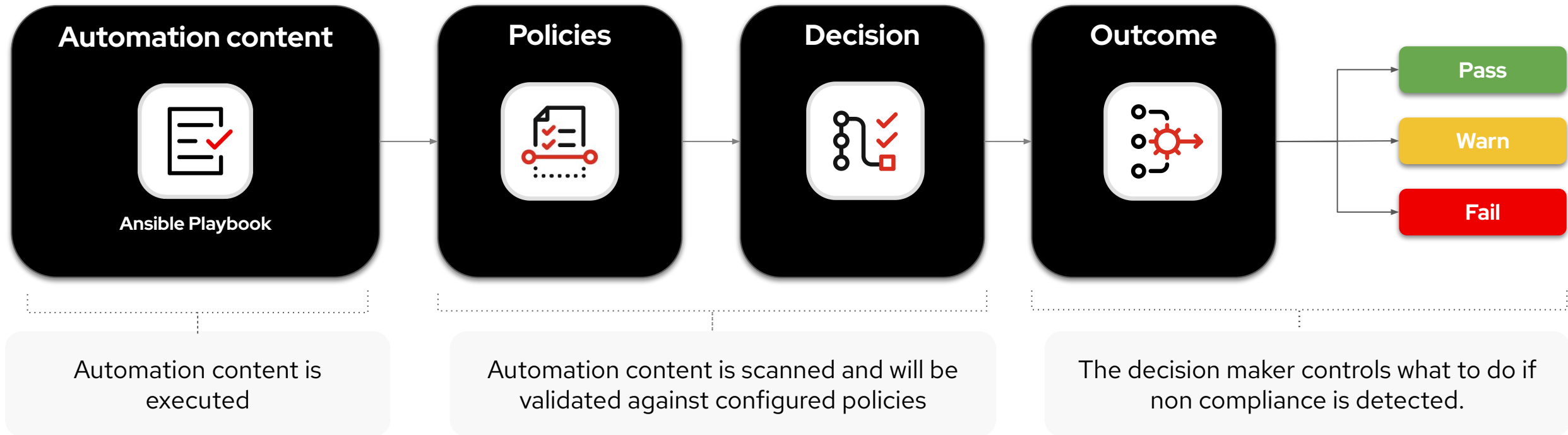
2025 Roadmap

Product roadmap | The Road to Summit '25



Product roadmap | **Automated policy enforcement**

Process overview



Thank you



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