



AnsibleFest

Unlock AIOps with Red Hat Ansible Automation Platform



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Agenda

- > Introduction
- > Market overview: AI adoption
- > Foundation of automation fuels AI innovation
- > Unlock AIOps with Red Hat Ansible
- > AI building blocks: Red Hat AI and Ansible Lightspeed
- > Getting started with AI use cases

Market overview:

AI adoption and why automation is essential

Barriers remain for effective AI adoption

Possibilities meet reality: limited resources, infrastructure concerns, skills gaps and trust

Products Industries Customers Learning Support Company Salesforce+

News & Insights Latest News Topics Press Resources The 360 Blog

Artificial Intelligence

Just 11% of CIOs Have Fully Implemented AI as Data and Security Concerns Hinder Adoption



Press Release

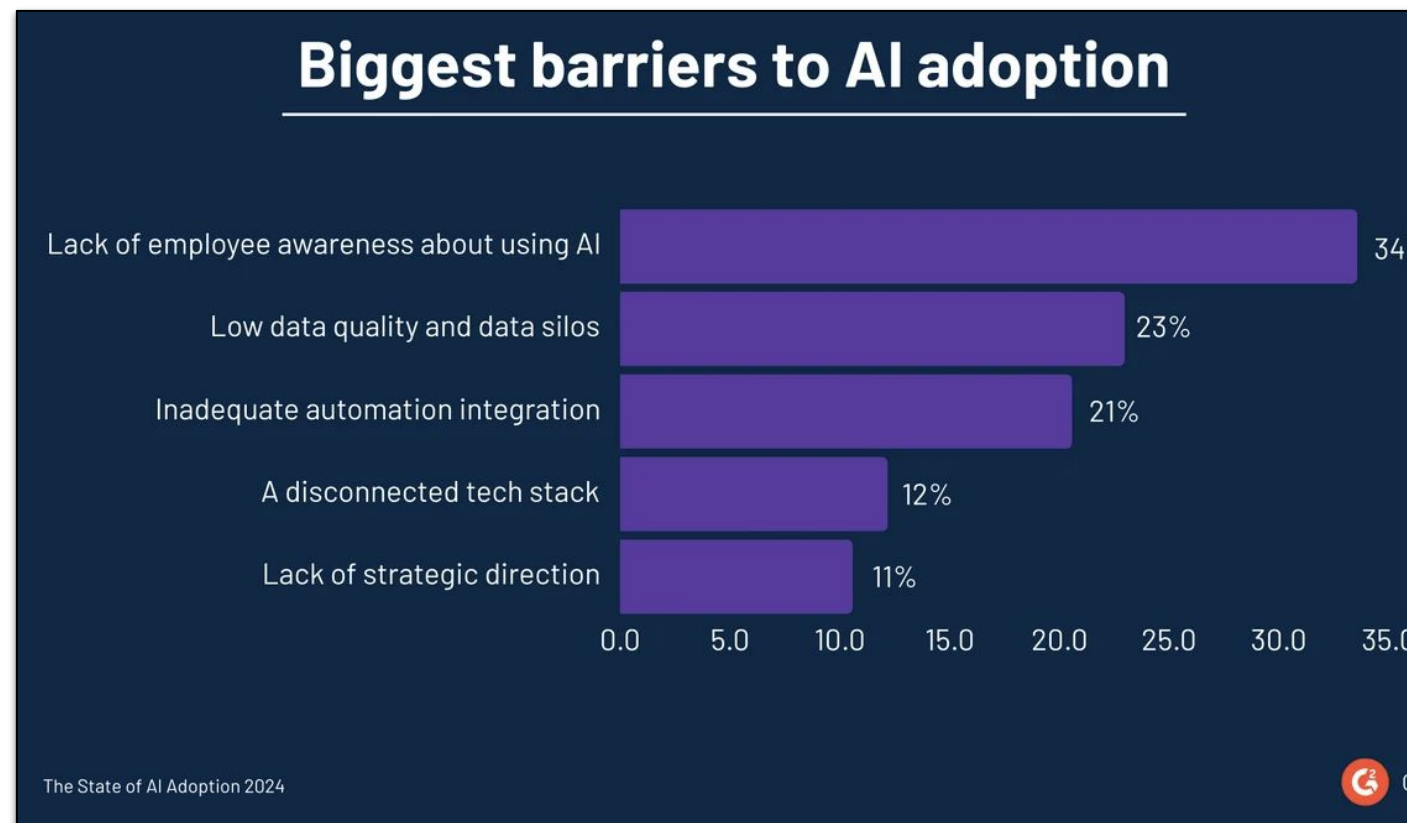
Cisco Study: CEOs Embrace AI, But Knowledge Gaps Threaten Strategic Decisions and Growth



Feb 09, 2025

97% of CEOs plan AI integration, but only 1.7% feel fully prepared. New research highlights what's getting in the way of progress – and how CEOs plan to shift ambition into action.

LinkedIn



BCG

OCTOBER 24, 2024 | PRESS RELEASES

AI Adoption in 2024: 74% of Companies Struggle to Achieve and Scale Value

New BCG Research on AI Adoption Identifies Fintech, Software, and Banking as the Sectors with the Highest Concentration of AI Leaders

BOSTON— After years of investing, hiring talent, and launching pilots in artificial intelligence (AI), CEOs are now seeking tangible returns from the technology. But realizing its full value remains difficult. Even with the widespread implementation of AI programs across industries, only 26% of

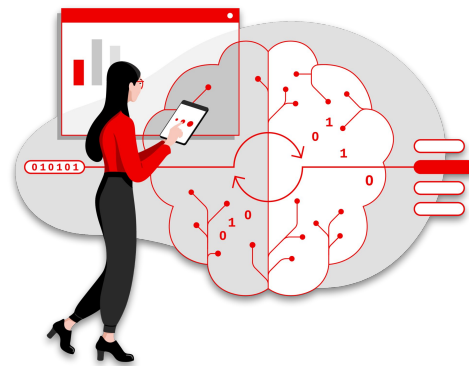
Automation is the key to successful AI adoption

Questions organizations must address when looking to adopt AI at an enterprise level



Infrastructure readiness

Is your infrastructure (networks, storage, data, monitoring, load balancers, applications) fully connected and optimized for AI workloads?



Real-time response to alerts and conditions

Once your AI and observability tools trigger events, do you have automated response and remediation in place to resolve them?

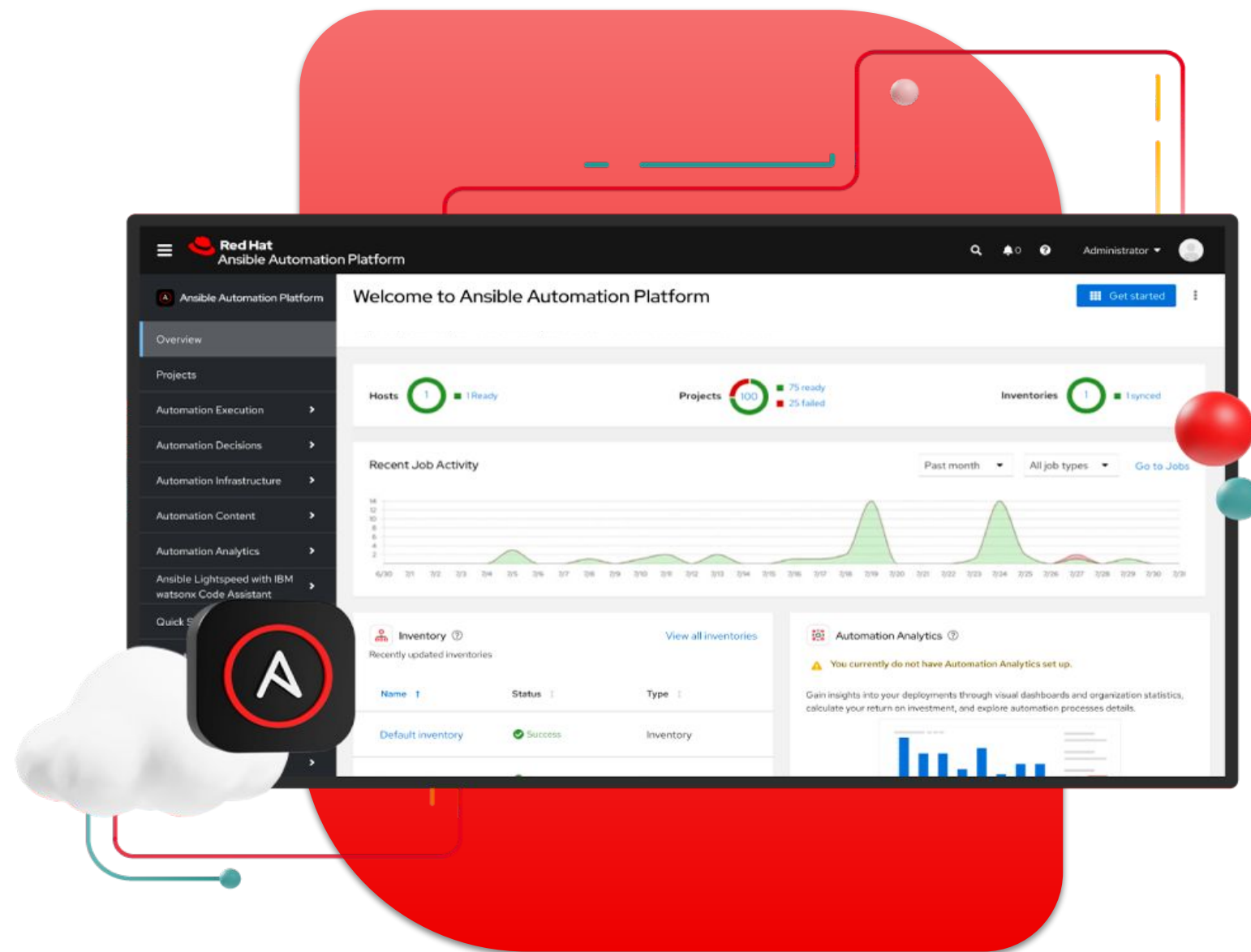


Confidence in acting on AI inferences

Are you confident in your ability to control the automation that's running in your environment?

Red Hat Ansible Automation Platform

Unified solution for mission-critical automation across your enterprise



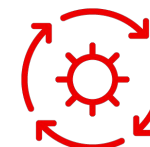
Increase speed

Reduce the number of manual steps and GUI-clicking, enable the orchestration of multiple tools and accelerate their interaction with each other



Reduce human error

Minimize risks with automated workflows, avoid human operator errors in time-sensitive, stressful situations



Ensure consistency

Enable auditable and verifiable deployment processes by using a single tool and common language



Improve security and compliance

Securely apply automation across your organization and ensure end-to-end code integrity with signed content.

A common platform for scaling automation across environments



Networking



OS



Cloud



Virtualization



App delivery



AI

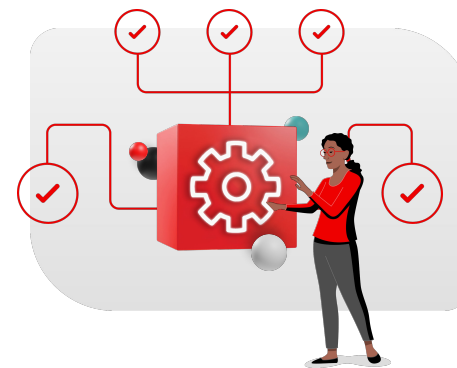
Establish a reliable AI foundation. Enable ongoing AI innovation.

Standardize AI infrastructure operations



- Simplify AI infrastructure deployment, usage, and scaling.
- Provide lifecycle management for consistency and repeatability.
- Accelerate time to value for developers consuming the AI platform.

Unlock AIOps



- Identify and address potential issues proactively.
- Resolve common, repetitive tasks via actionable advice from generative AI.
- Provide automated remediation, reducing MTTR.

Ensure policy compliance



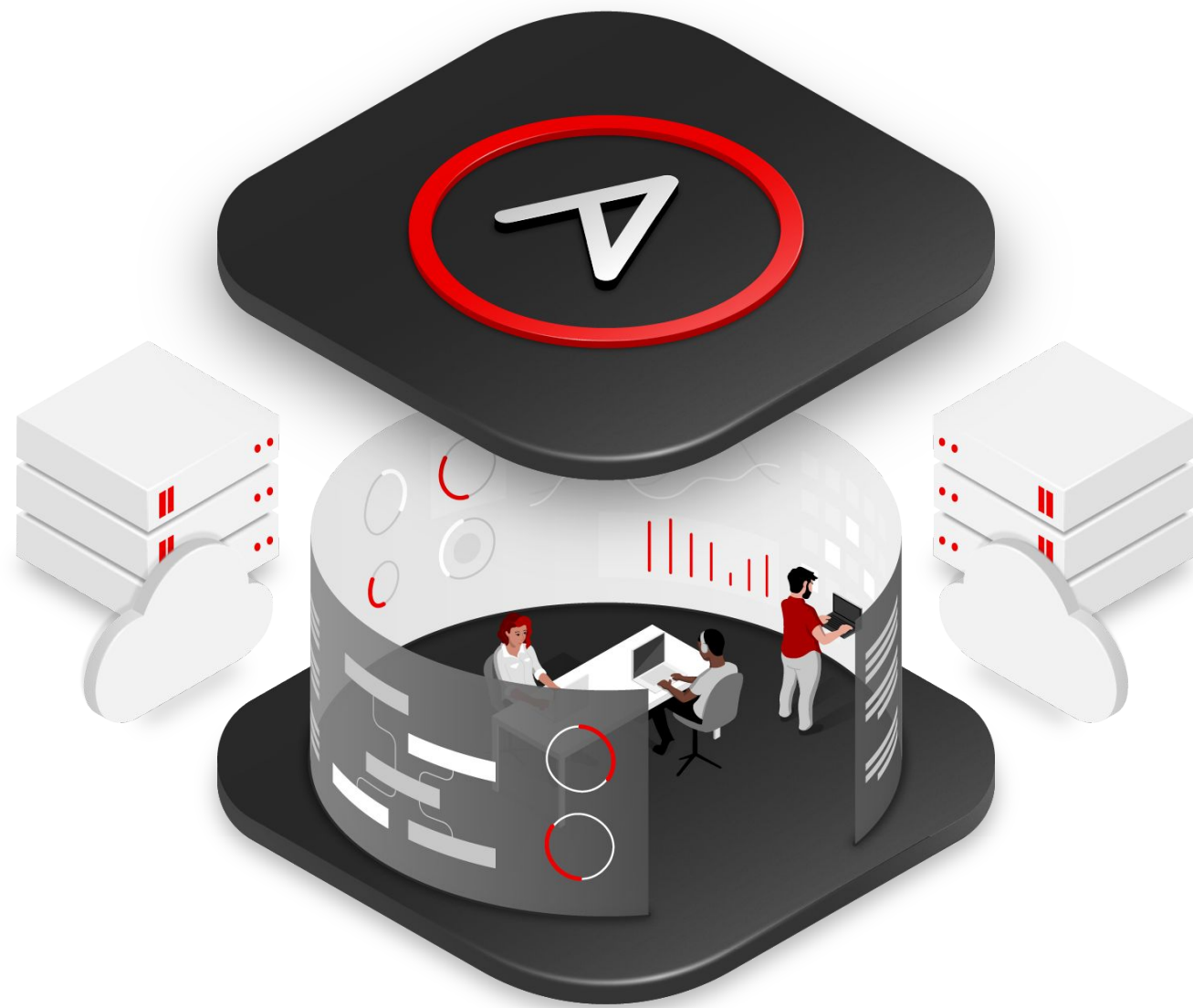
- Apply safeguards around your AI solutions for better outcomes and control.
- Ensure AI is aligned to key internal and compliance policies.



Unlock AIOps with Red Hat Ansible: Path to value

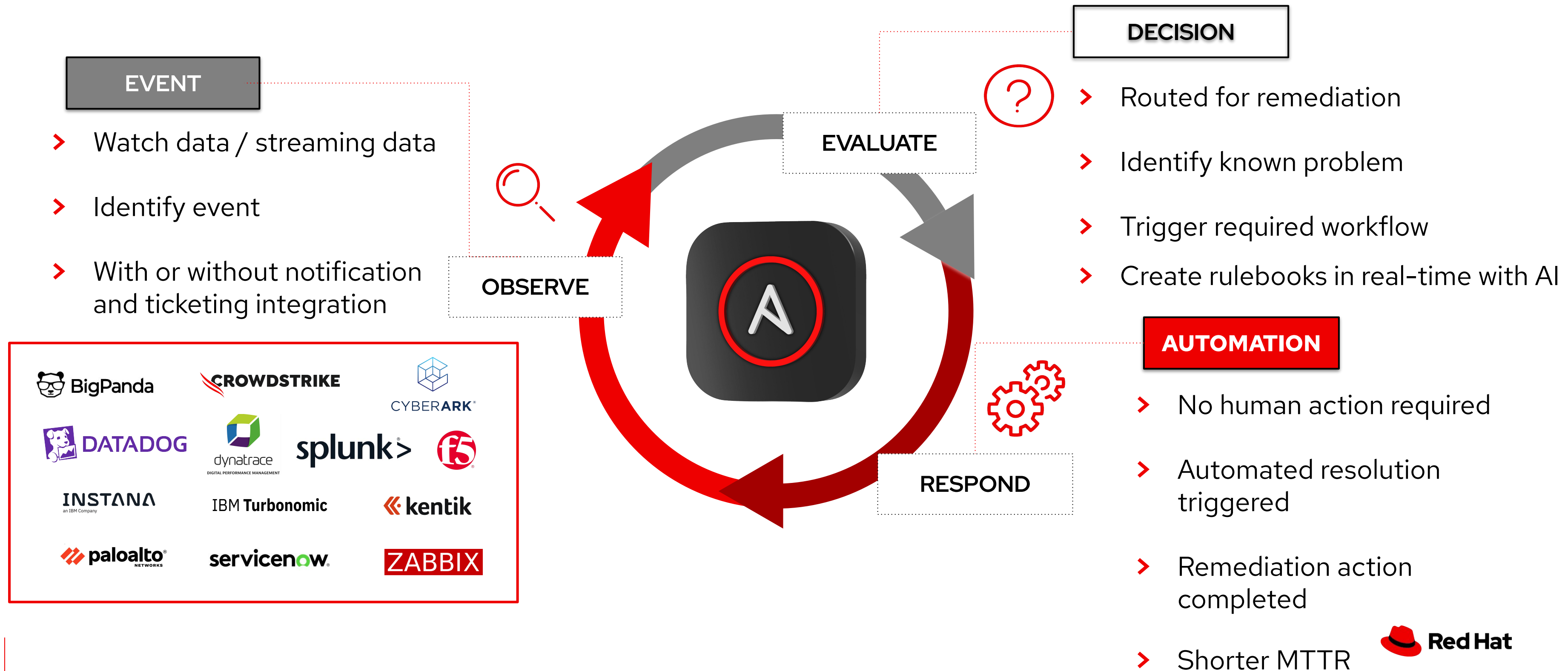
Unlock AIOps

Red Hat Ansible is built to turn intelligence into action – at scale

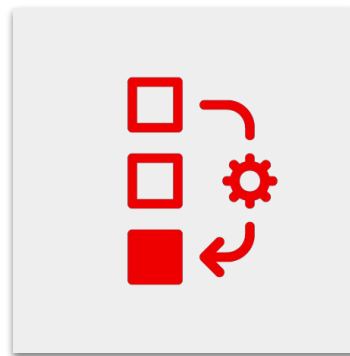


- ✓ **Event-Driven Ansible.** Engineered to turn intelligence into action.
- ✓ **Industry-leading technology ecosystem.** Ansible works with the tools you already have, and can help you better orchestrate the AIOps processes you have in place.
- ✓ **Comprehensive automation capabilities.** If your tools can see it, Ansible can automate it.

Event-Driven Ansible: Intelligence into action



AIOps use cases that Red Hat Ansible can help you take on TODAY



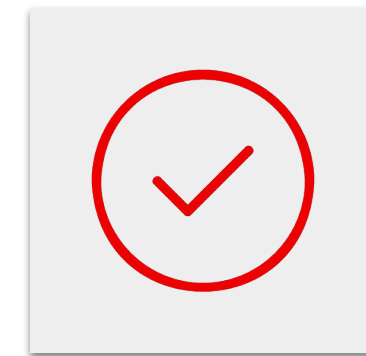
Self-healing Infrastructure

Leverage Red Hat AI solutions with Event-Driven Ansible to fully realize self-healing infrastructure end to end powered by the latest AI solutions.



Support and incident ticket enrichment

Use Red Hat Insights or other third party solutions to coordinate unknown events from Event-Driven Ansible and provide context for IT infrastructure engineers.



Cost + resource optimization

Red Hat Insights can identify optimizations around nodes, clusters and projects attached to AI persona needs, with the option to execute optimizations in automated workflows to abstract the user from AI infrastructure.

Customer story: AIOps in action

"We've also integrated intelligent observability from Dynatrace, which uses AI to proactively identify any unusual patterns in our environment before triggering Event-Driven Ansible to resolve the incident and enable application recovery,"



Mutua Madrileña adopts automation as standard with Red Hat



Software and services
Red Hat® Ansible®
Automation Platform

Mutua Madrileña, Spain's leading insurer, has more than 60 platforms managed by its middleware department. This environment is complex—especially following multiple mergers and acquisitions—but crucial to support the company's digital needs. In line with its Digital Transformation plan, the middleware team implemented Dynatrace for intelligent observability and Red Hat Ansible Automation Platform. This allowed the team to automate platform provisioning and accelerate incident resolution using event-driven automation. This standard, automated process can be replicated in any environment to accelerate time to market, reduce operating costs, and free up skilled workers to focus on innovation.



Insurance

11,900+ employees

Benefits

► Standardized automation procedures and repeatable

"Choosing Red Hat Ansible Automation Platform was one of the **best decisions we've ever made**...Combining observability with self-healing has improved resolution times and reduced service downtime. **We saw a 50% reduction in service tickets.**"

- **Marta Ceciliano**
Head of Middleware, Automation, and Observability

Source: Red Hat case study. ["Mutua Madrileña adopts automation as standard with Red Hat"](#)



Log aggregation/Message Q



Red Hat
Enterprise Linux





Log aggregation/Message Q

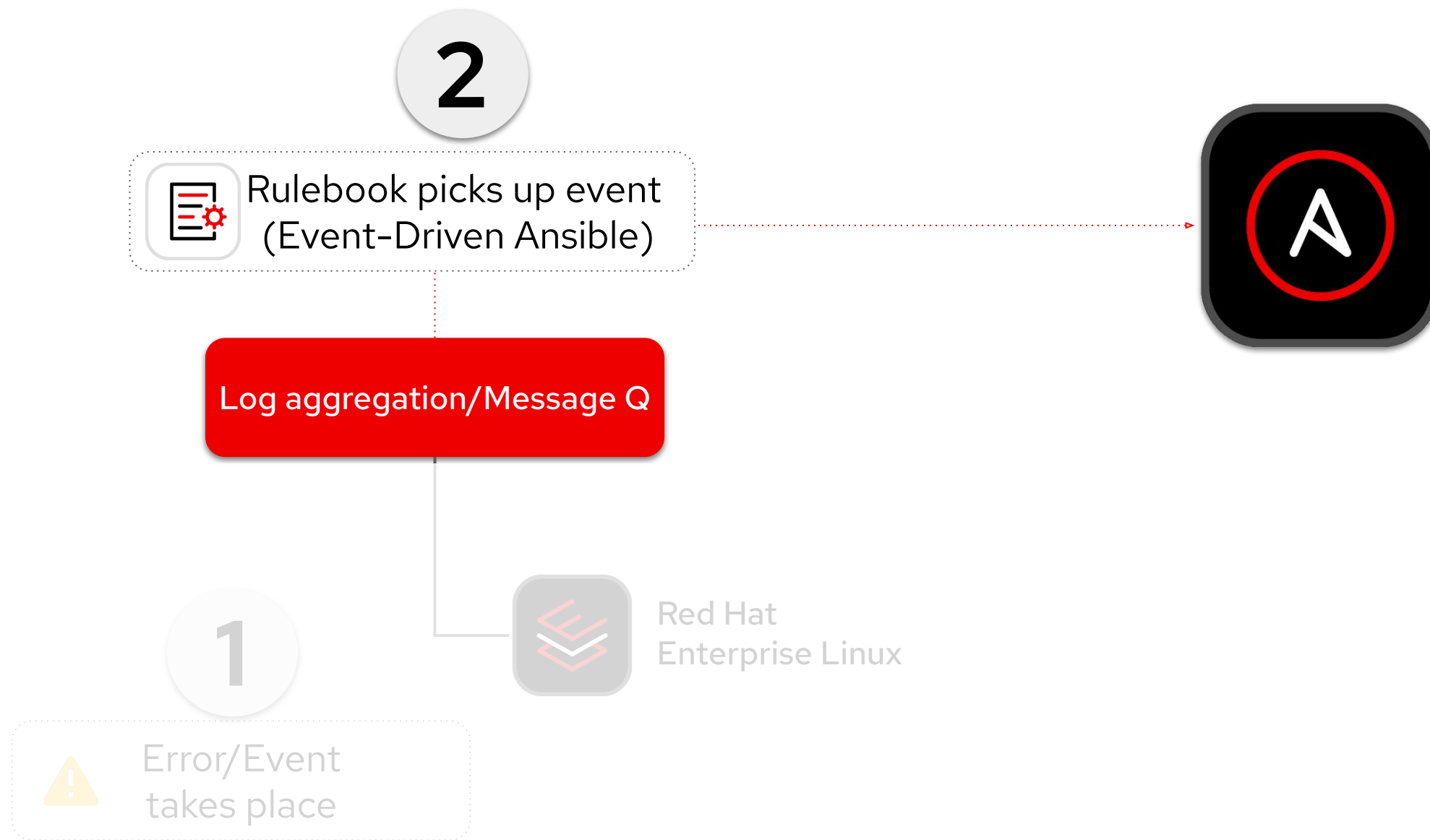
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Red Hat
Enterprise Linux



Error/Event
takes place



Example: Red Hat OpenShift AI



internal / external AI

3



Inference error
meaning with AI

2



Ansible EDA
picks up event



Log aggregation/Message Q

1



Error/Event
takes place



Red Hat
Enterprise Linux

Example: Red Hat OpenShift AI



internal / external AI

3



Inference error
meaning with AI

2



Ansible EDA
picks up event



4



Sync information
with ITSM

servicenow

Log aggregation/Message Q

1



Error/Event
takes place



Red Hat
Enterprise Linux

Example: Red Hat OpenShift AI



internal / external AI

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Inference error
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Error/Event
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Red Hat
Enterprise Linux



4

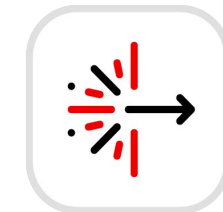


Sync information
with ITSM

servicenow

5

Request Ansible
Playbook



Ansible
Lightspeed

Example: Red Hat OpenShift AI



internal / external AI

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Inference error
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Ansible EDA
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Error/Event
takes place



Red Hat
Enterprise Linux

6



Remediate
Issue

4



Sync information
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servicenow

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Request Ansible
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Ansible
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Example: Red Hat OpenShift AI



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Inference error meaning with AI

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Ansible EDA picks up event

Log aggregation/Message Q

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Error/Event takes place



Red Hat Enterprise Linux

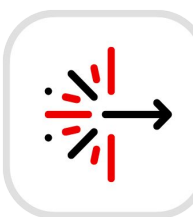
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Remediate Issue

5

Request Ansible Playbook



Ansible Lightspeed

4



Sync information with ITSM

servicenow



[NEW! AI solution guides for Ansible Automation Platform](#)

AI building blocks:

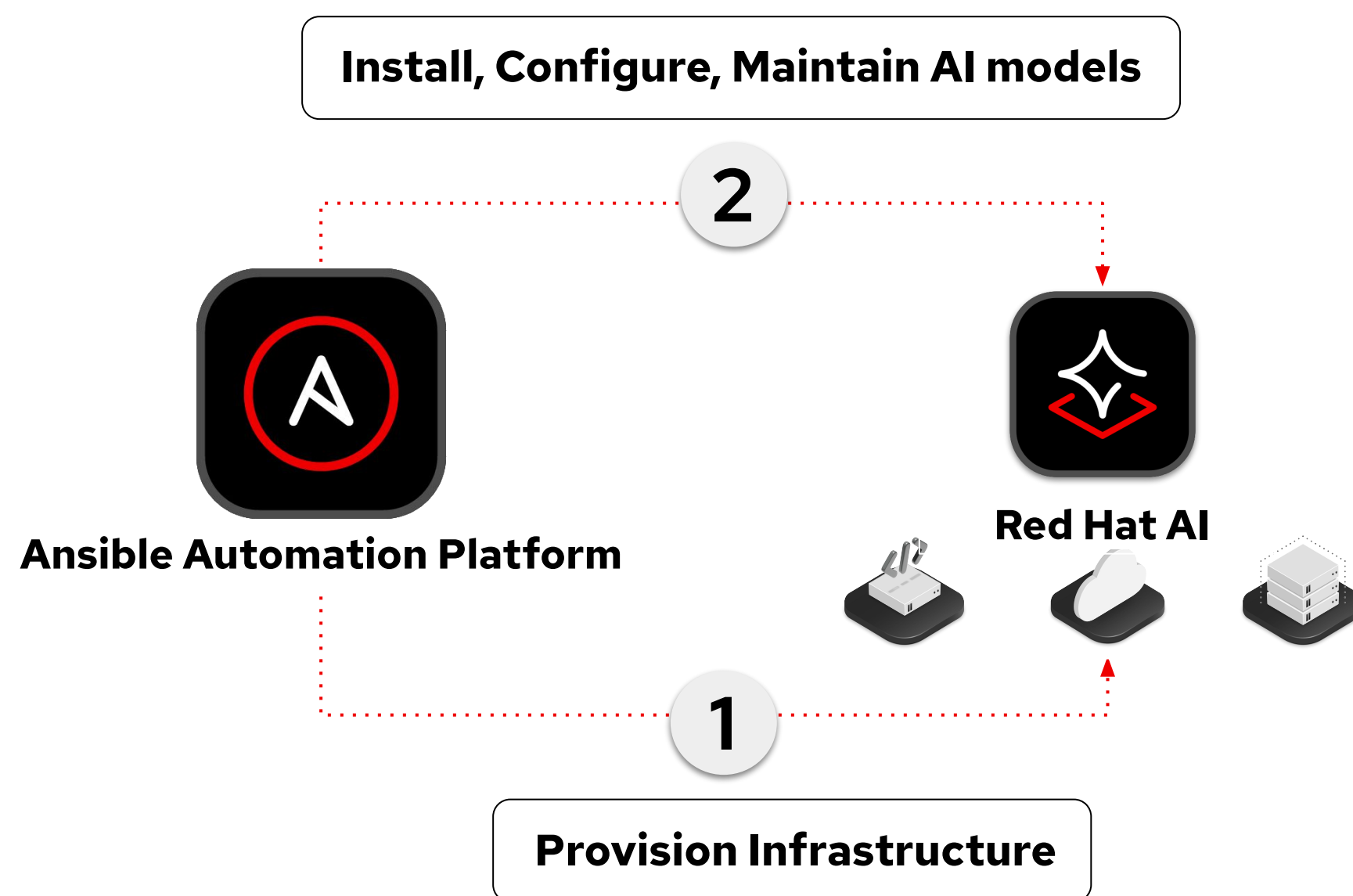
Essential prerequisites for activating AIOps



Standardize AI infrastructure operations

Install, configure and maintain AI infrastructure: Red Hat AI

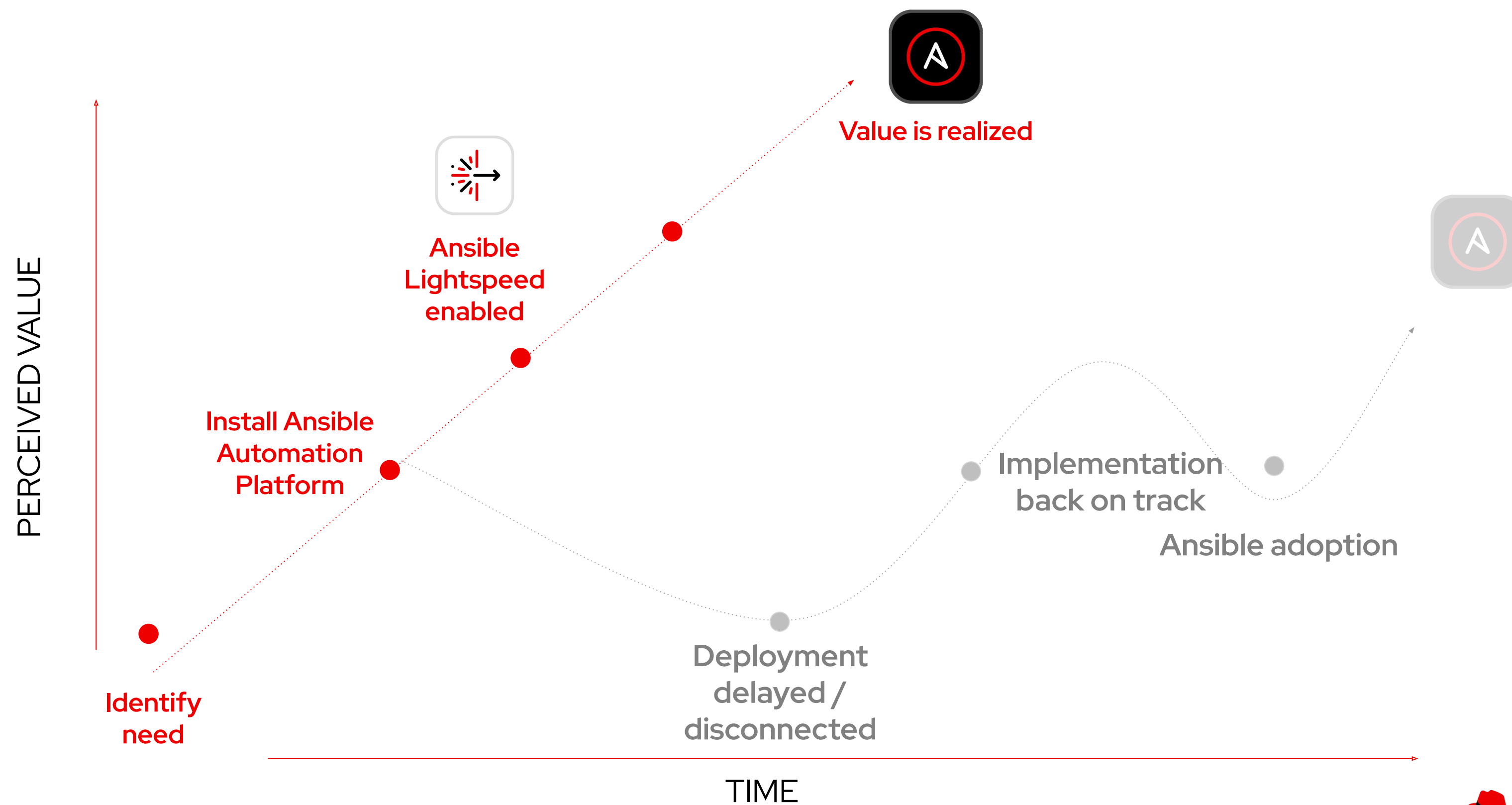
CONSISTENCY

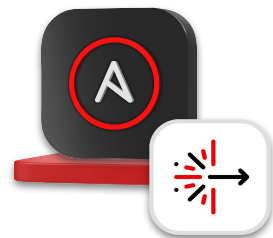


- ✓ Simplify AI model platform on prem, or cloud, deployment to a single click
- ✓ Ensure infrastructure is available, reliant, performant
- ✓ Manage AI same as existing infrastructure: no new resources required
- ✓ Accelerate time to value for developers consuming AI platform
- ✓ Enable fast, consistent, repeatable AI infrastructure setup and lifecycle, reducing risk of errors

The Automation Adoption Journey

Accelerate onboarding and time to value with Ansible Lightspeed





Red Hat Ansible Lightspeed **Coding Assistant**

Generate Ansible Playbooks, Ansible Roles, single tasks, or multiple tasks from a single prompt

Flexible deployment options: SaaS, on-premise, or hybrid options

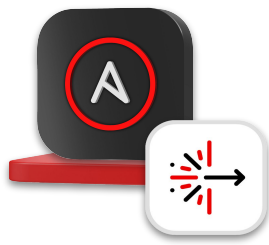
Content explanations to build user expertise and confidence that generated content will work as intended

Trained on Ansible data sets using Ansible Galaxy, GitHub, and other open source repos.

Content source matching to establish trust with referenced data sources

Model customization to further optimize and refine code generation using enterprise-specific data sets

Pre- and post-processing adds extra layer of optimization by with review and enforcement of Ansible best practices and syntax

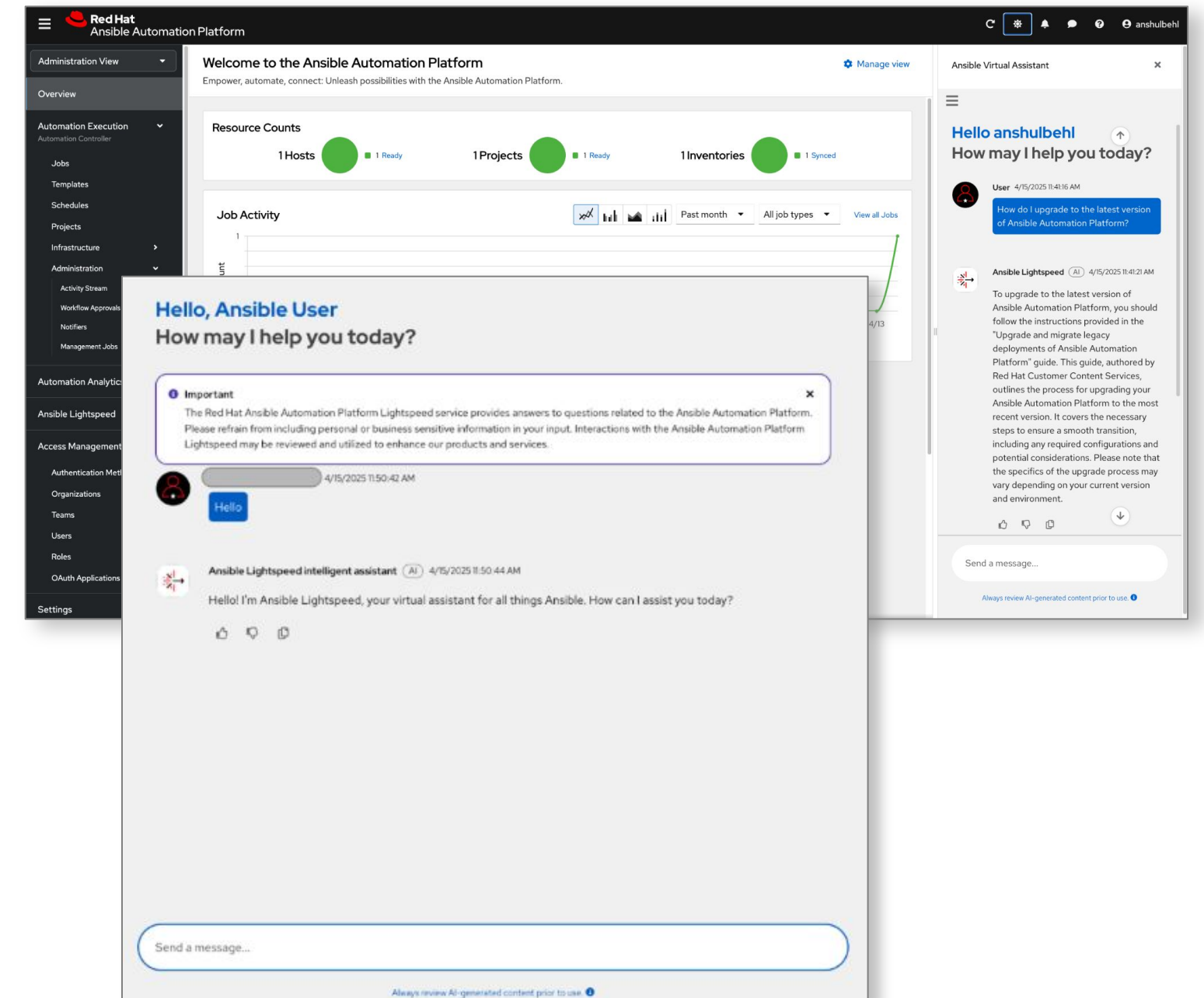


Introducing the Red Hat Ansible Lightspeed **intelligent assistant**

The Ansible administrator who never takes a day off

PLATFORM ASSISTANCE

- **Intuitive chat assistant** embedded directly into Ansible Automation Platform UI
- Contextual 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**.
- Flexible model connectivity: Red Hat AI or 3rd-party models
- **Example prompts:**
 - "What is an execution environment?"
 - "How do I upgrade to the latest version of Ansible Automation Platform?"
 - "How do I activate Ansible Lightspeed with watsonx Code Assistant?"
- **Coming soon:** understand conditions within your Ansible Automation Platform deployment
 - "Why did my automation job fail?"
 - "List all inventories in my Ansible Automation Platform deployment."
 - ""Show me the status of all running jobs and their progress."



ONBOARD FASTER

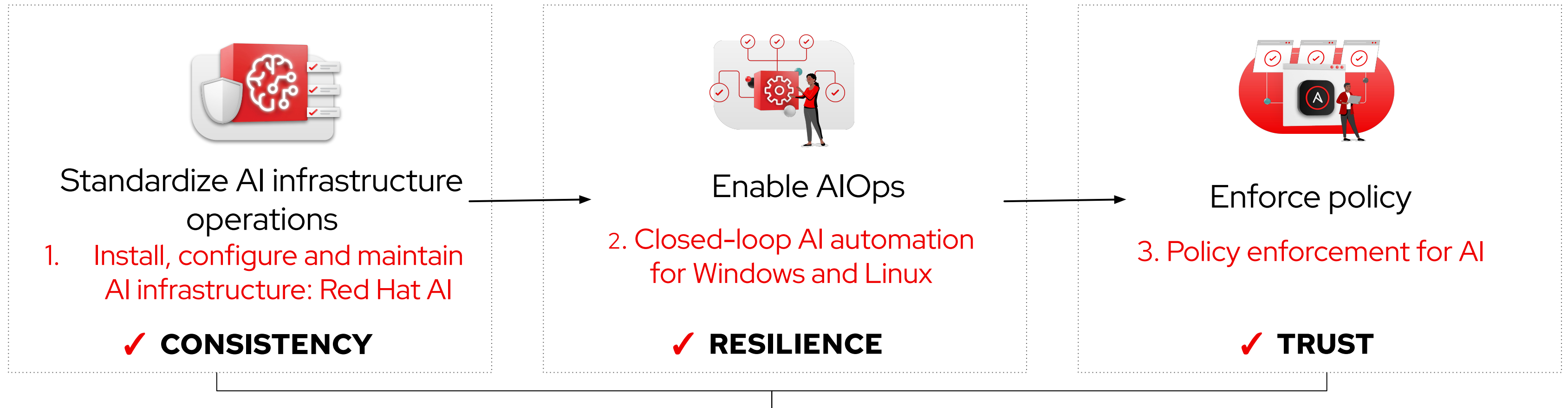
REDUCE FRUSTRATION / FRICTION

SIMPLIFY PLATFORM ADMINISTRATION

Getting started with AI use cases

Unlocking AI value in IT operations with Red Hat Ansible

3 turnkey use cases



- ✓ 3 demonstrable ways to leverage new features in the latest release of AAP.
- ✓ Available for customers on Red Hat Knowledgebase.
- ✓ Designed to guide IT teams, accelerate time to value, and enhance the value of AI initiatives.

Next steps

→ red.ht/AIOps_demo



→ red.ht/AAP_AI_KBASE



→ Developer.redhat.com





AnsibleFest

Thank you



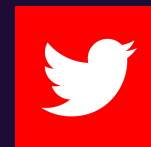
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