

Red Hat
Summit

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Automation as the glue to empower the future of your infrastructure

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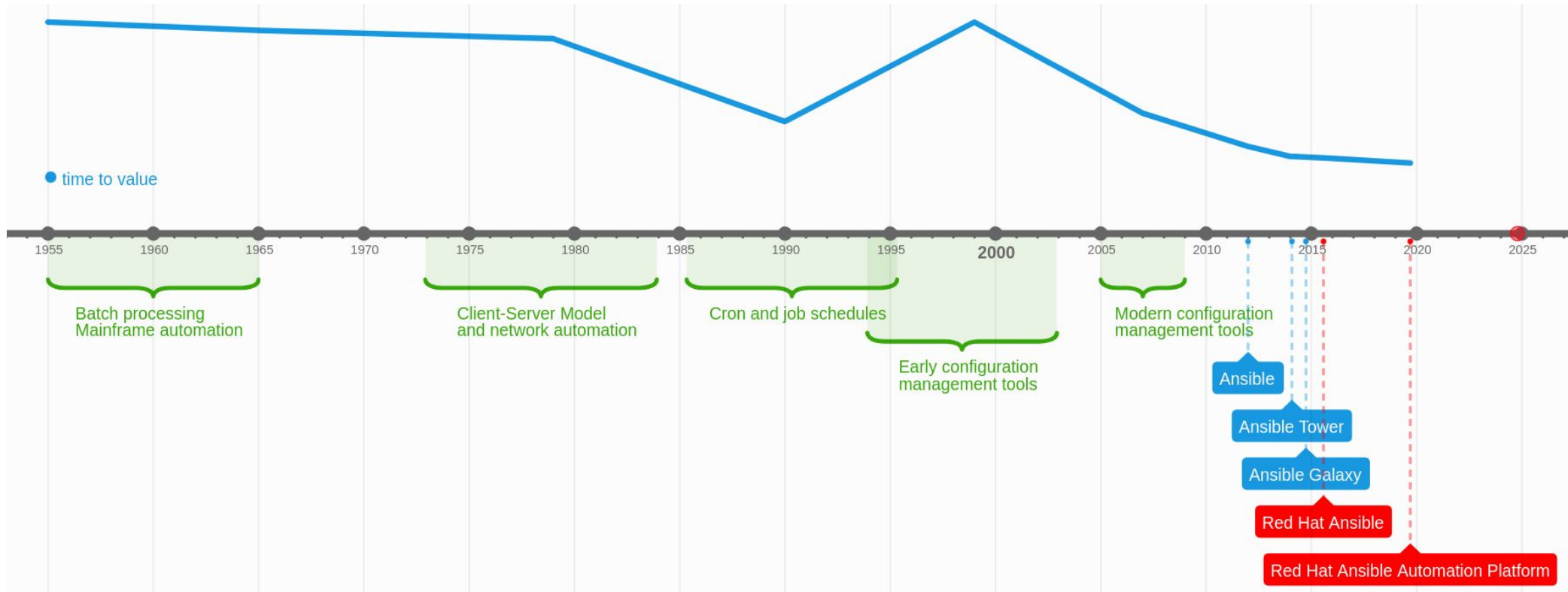
Roma, 7 novembre 2024



Agenda

-  IT Automation: yesterday, today
-  Ansible - simple yet easy and robust
-  What **Red Hat Ansible Automation Platform** can do for me?
-  IT Automation tomorrow
-  Q&A

IT Automation: yesterday, today is your time valuable?



IT Automation: yesterday, today
ready to challenge?

Complexity

Skill Gap

Cost

Security Risks

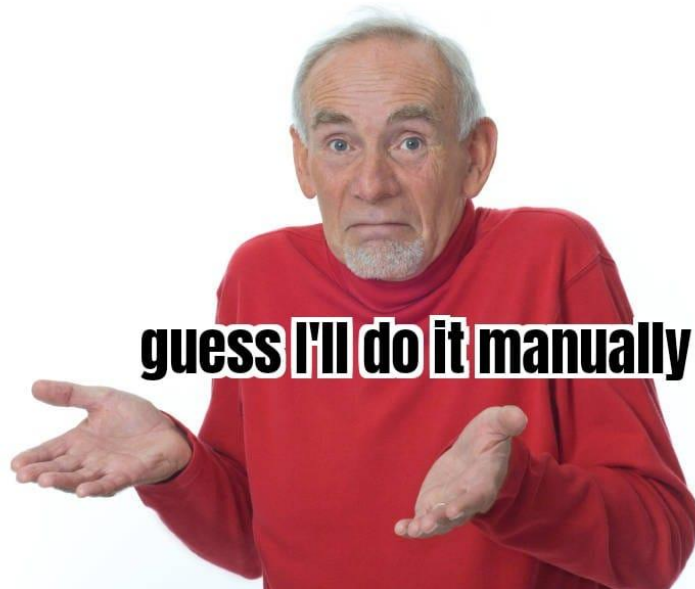
Unforeseen Challenges

Resistance to Change

Vendor Lock-in

IT Automation: yesterday, today so what?

Effective IT automation strategies
require **careful planning, risk
assessment, a focus on
overcoming** these challenges...
.. and a **rock solid partner**



Ansible: simple yet flexible and robust power without complication

Simple

agentless
declarative
modular

Flexible

integration
customization

Robust

idempotency
error handling
rollback

Ansible: simple yet flexible and robust are we alone out there?



The Red Hat IT Automation Universe

 **ANSIBLE AUTOMATION
PLATFORM**

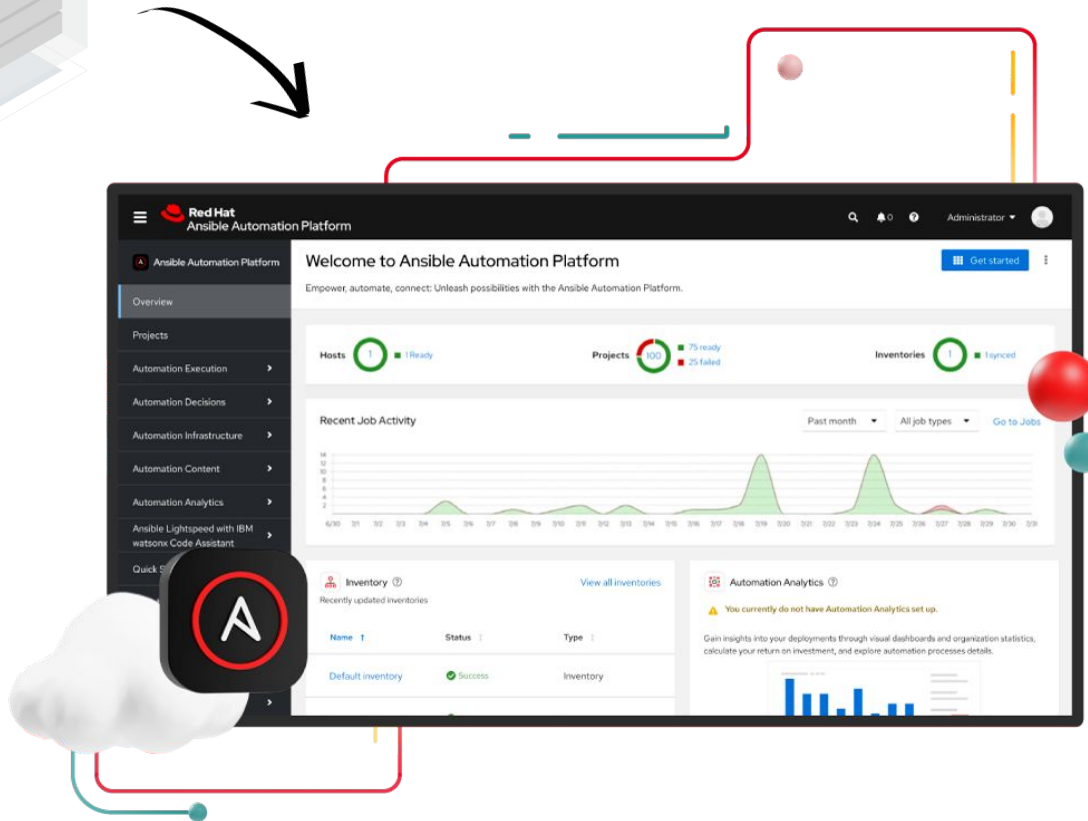
 **SATELLITE**

 **GALAXY**

.. and the technology enabler



What RHAAP can do for me? Houston, we have a plan



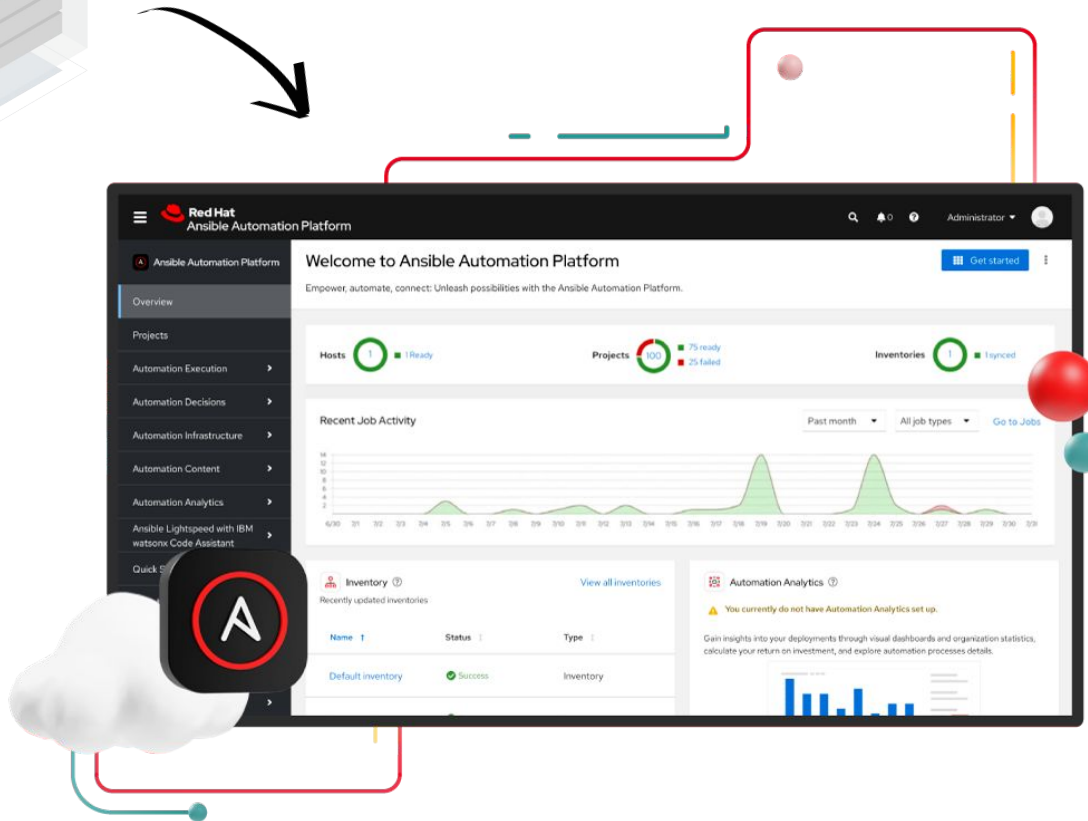
Infrastructure provisioning

Takes care of **provisioning** virtual machines, containers, and bare metal servers

Also **configures** network, firewalls, load balancers and OT devices for industrial processes

Lastly **deploys** operating systems and applications

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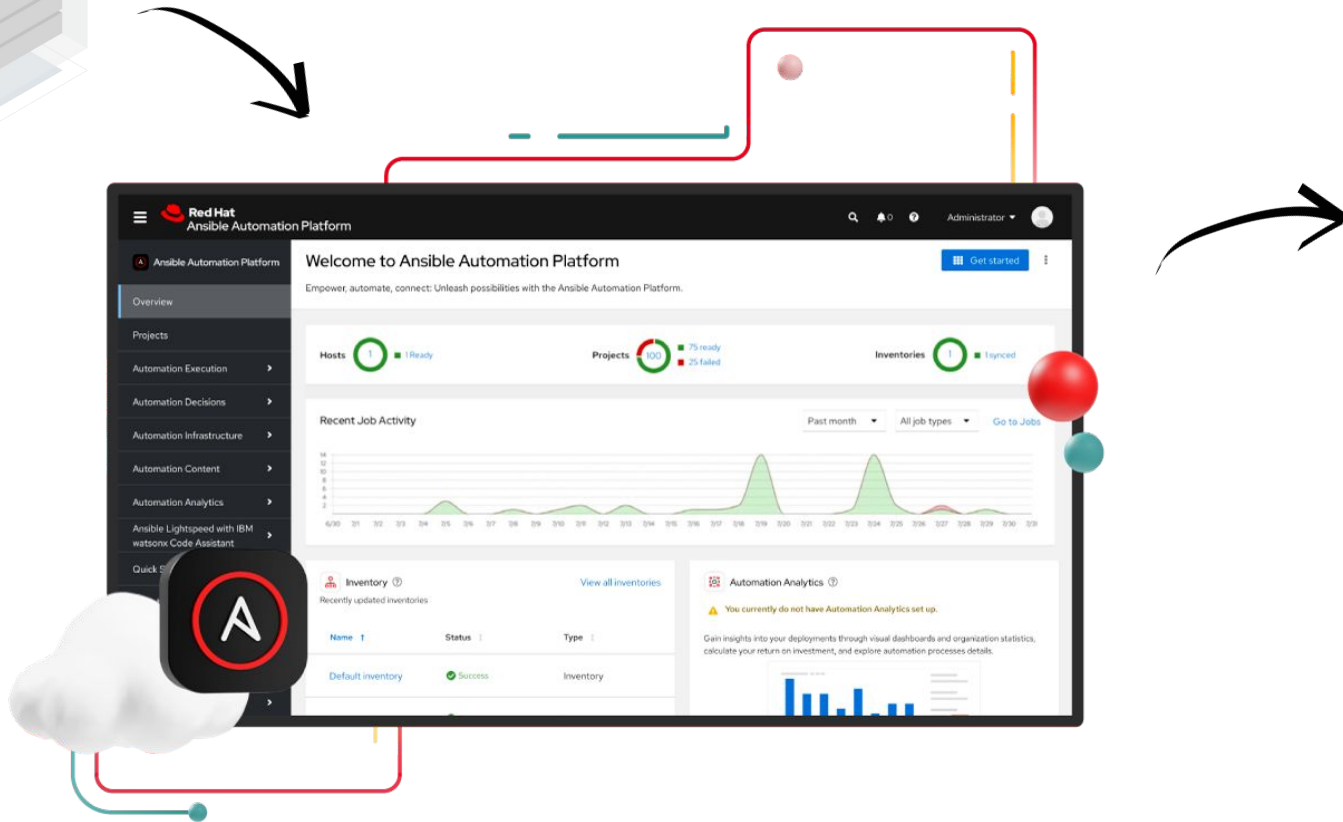
Configuration management

Ensures consistency across multiple environments

Manages application dependencies and package installations

Applies configuration changes in a controlled and idempotent way

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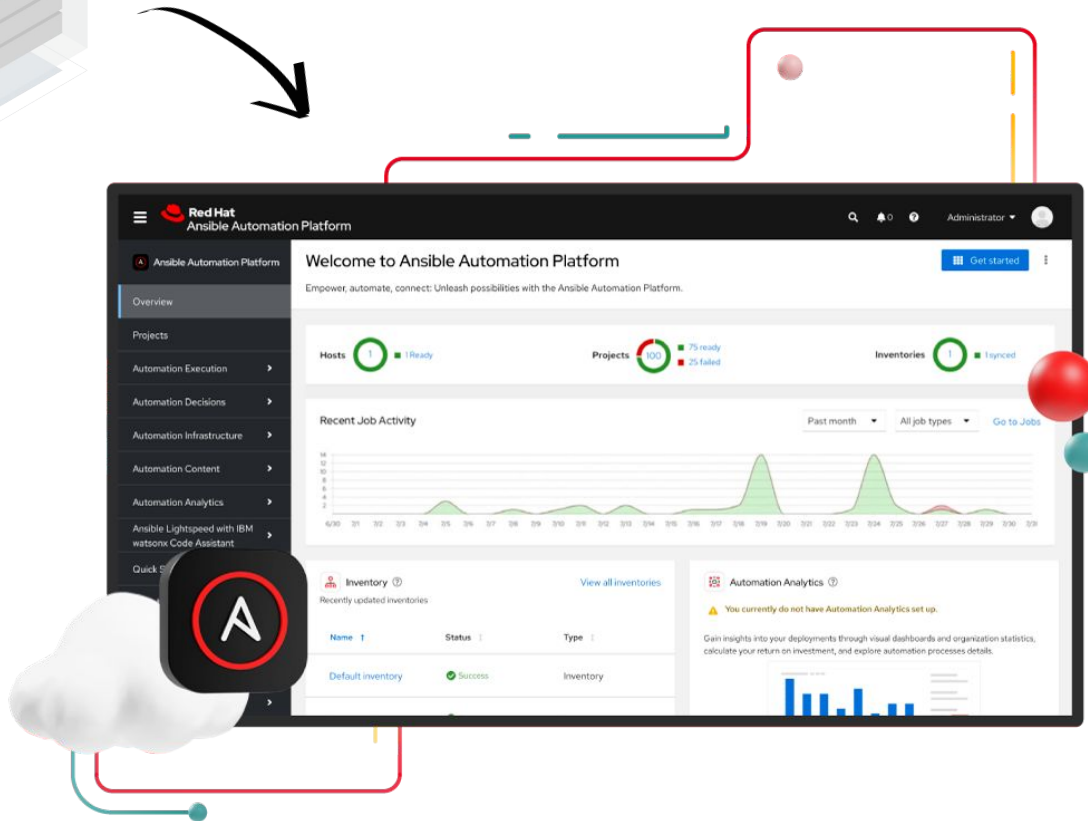
Deployment and orchestration

Helps **deploying and updating applications and services**

Coordinates complex **workflows** and dependencies

Rolls out across multiple systems

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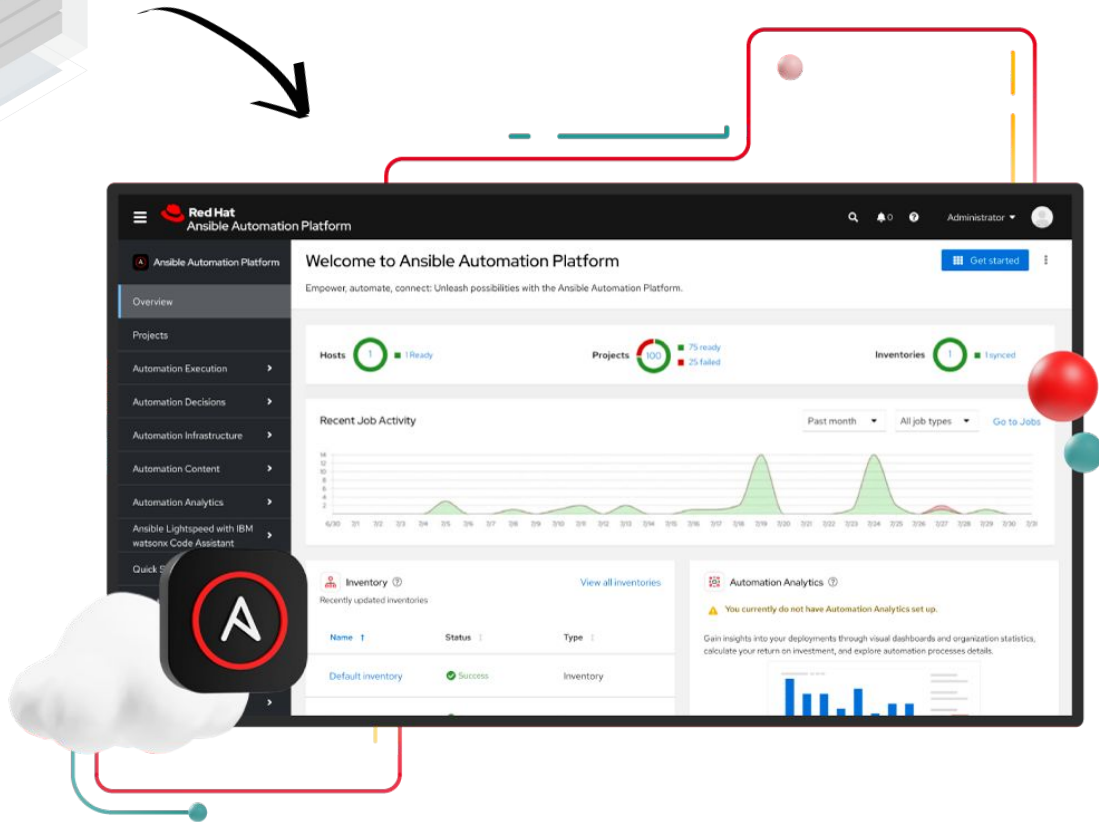
Automation of IT processes

Automates routine IT tasks, such as backups, patching, and monitoring

Integrating with other tools and systems to create end-to-end automation pipelines

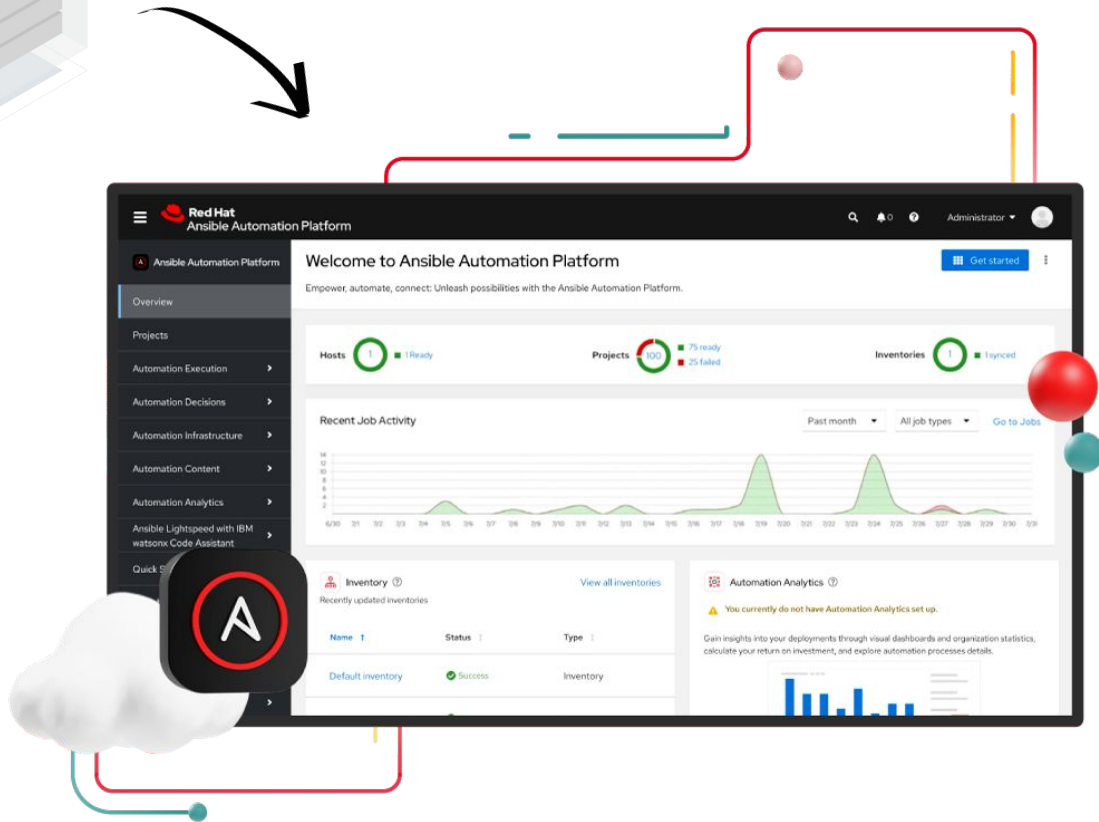
Responds to incidents

What RHAAP can do for me? knowledge as an asset



Knowledge is no more owned by single IT engineers and developers

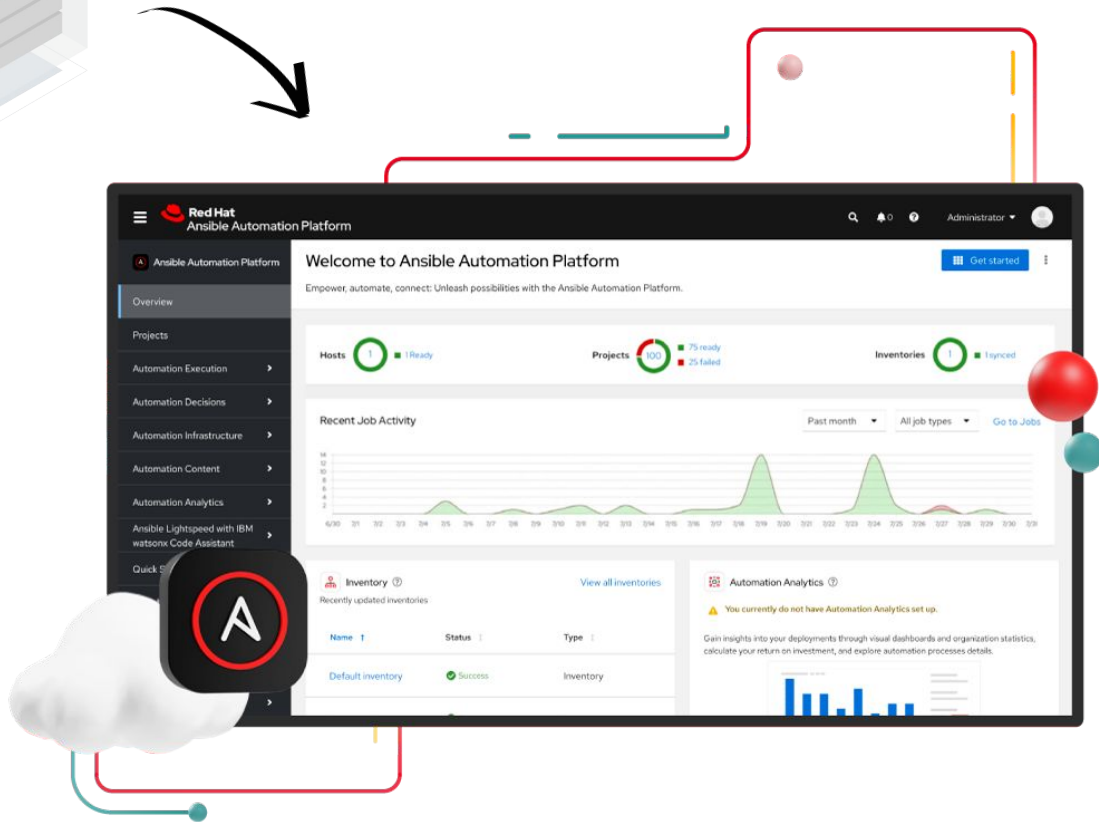
What RHAAP can do for me? knowledge as an asset



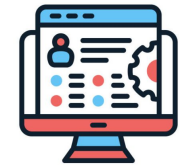
Knowledge is transferred
from the single to the
company



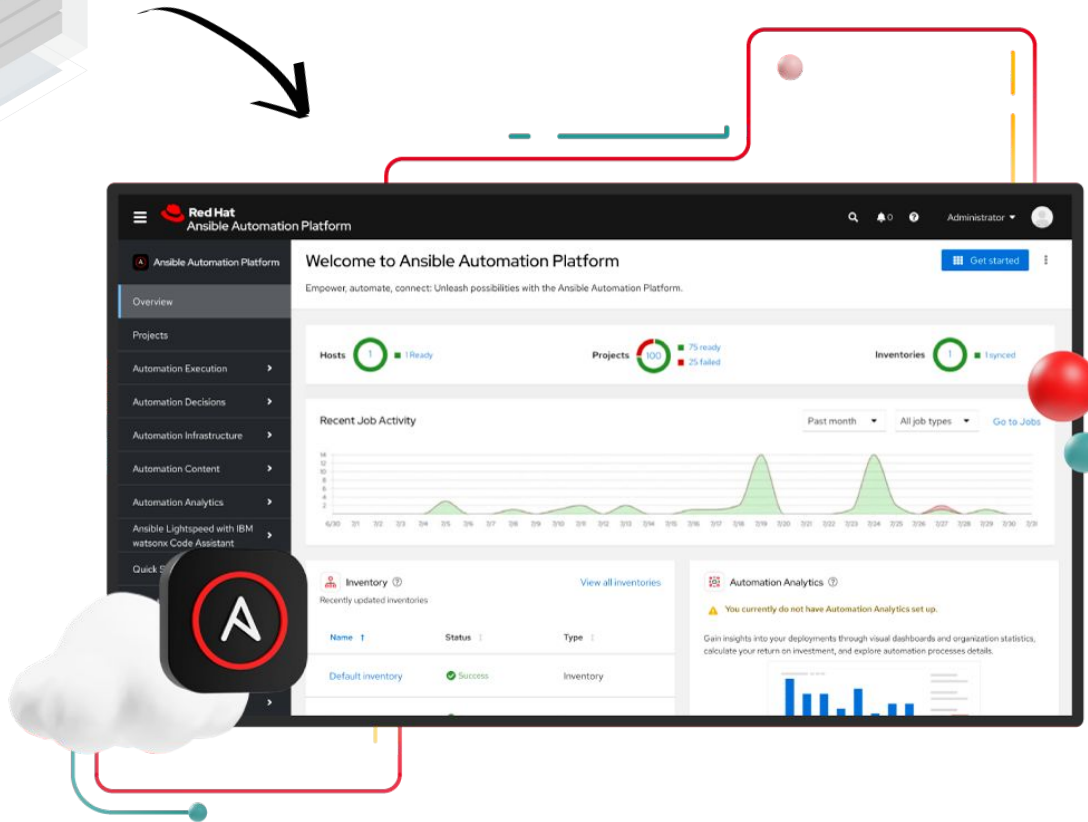
What RHAAP can do for me? wbbp?



Every process is automatable



What RHAAP can do for me? wbbp?



Every process is automatable



IT Automation: tomorrow challenge accepted!

Improved consistency

Helps ensure that IT environments are **consistent and compliant** with best practices.

Improved efficiency

Helps IT teams work **more efficiently** and **focus on higher-value activities**.

Reduced risk

Helps **reduce the risk of errors and outages** by automating manual processes.

Lower costs

Helps **reduce IT costs** by automating manual tasks and **eliminating the need for additional staff**.

Resistance to Change

Faster time to market

Help organizations **deploy new applications and services more quickly**.

Vendor Lock-in

Unforeseen Challenges

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“So long and thanks for all the fish!”

*Douglas Adams,
Hitchhiker's Guide to the Galaxy*

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