



Red Hat
Summit

Connect

Mission Critical Automation

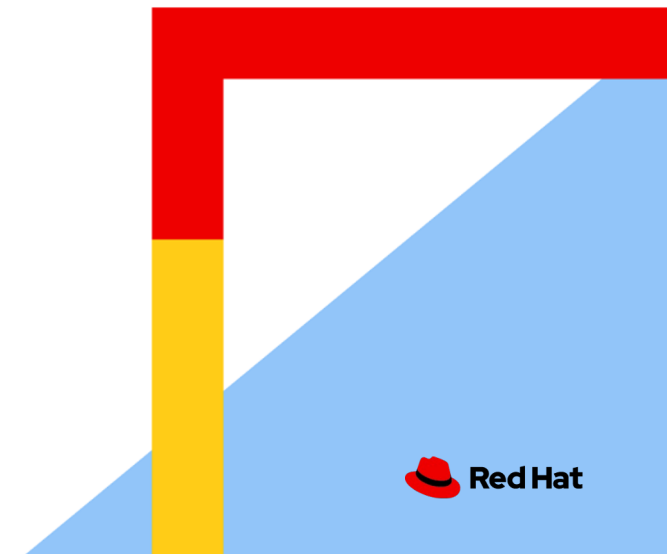
How we build the mission-critical mindset

Nuno Martins
Principal Technical Marketing Manager
Ansible Business Unit



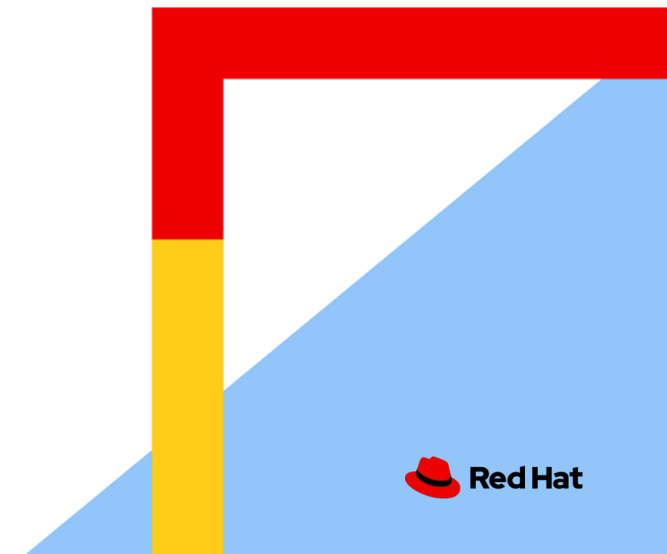
Observation # 1

Automation is being
taken for granted

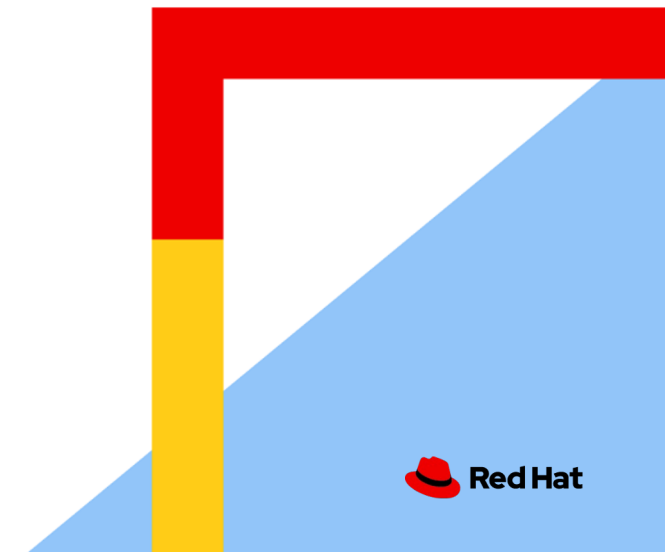
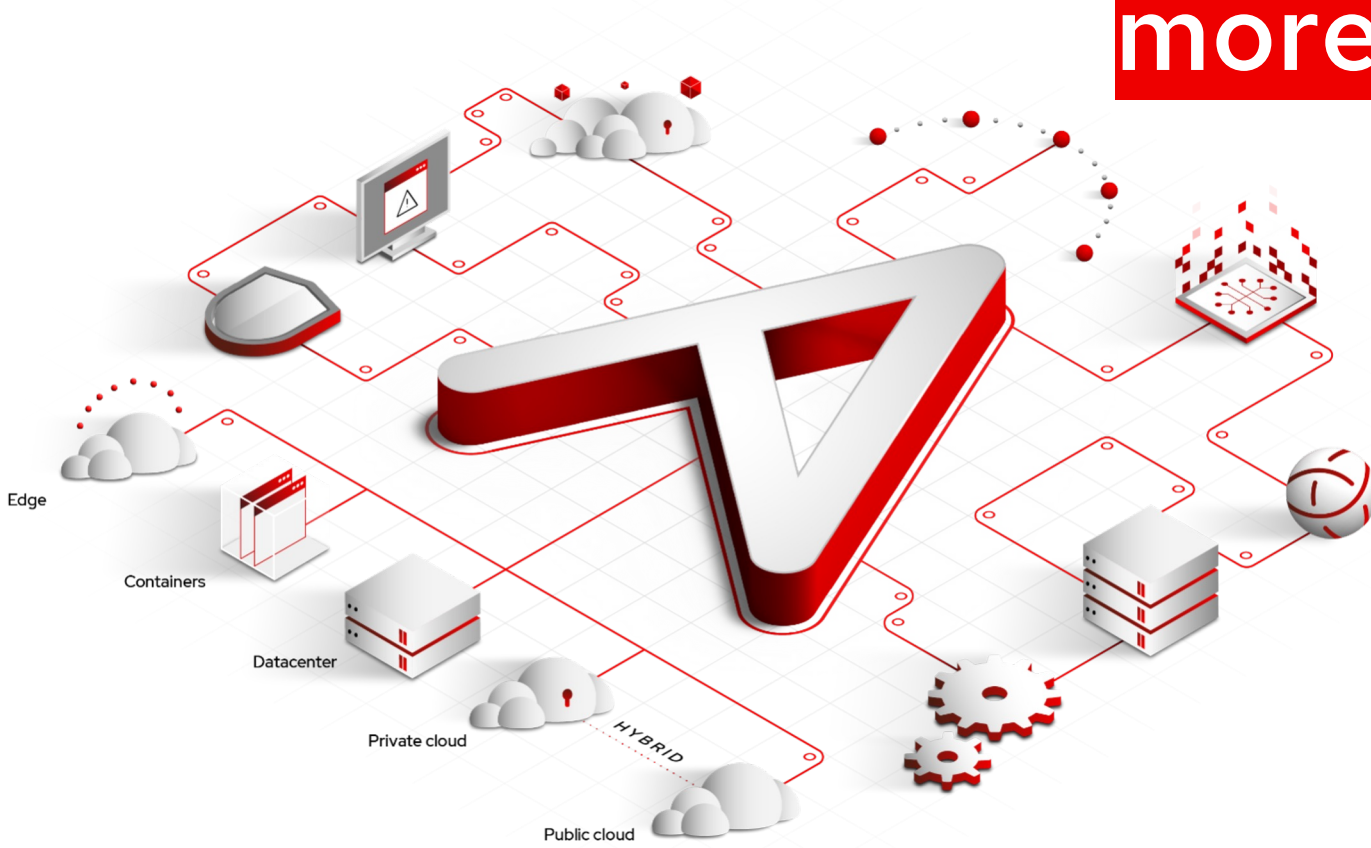


Observation # 2

**Ansible has come
a long way**



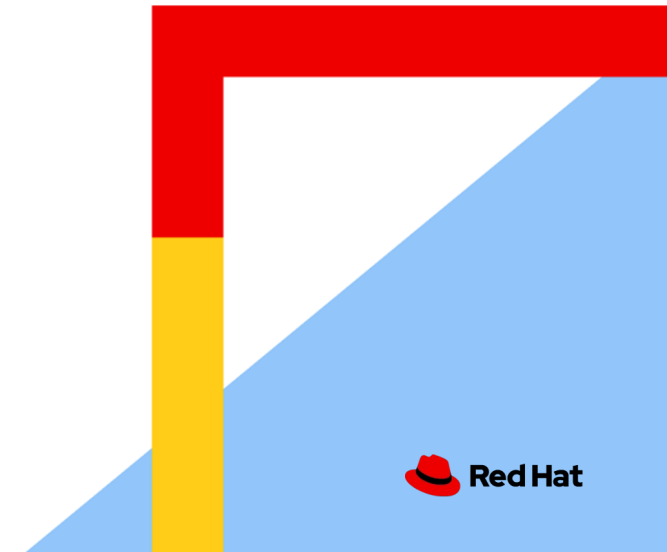
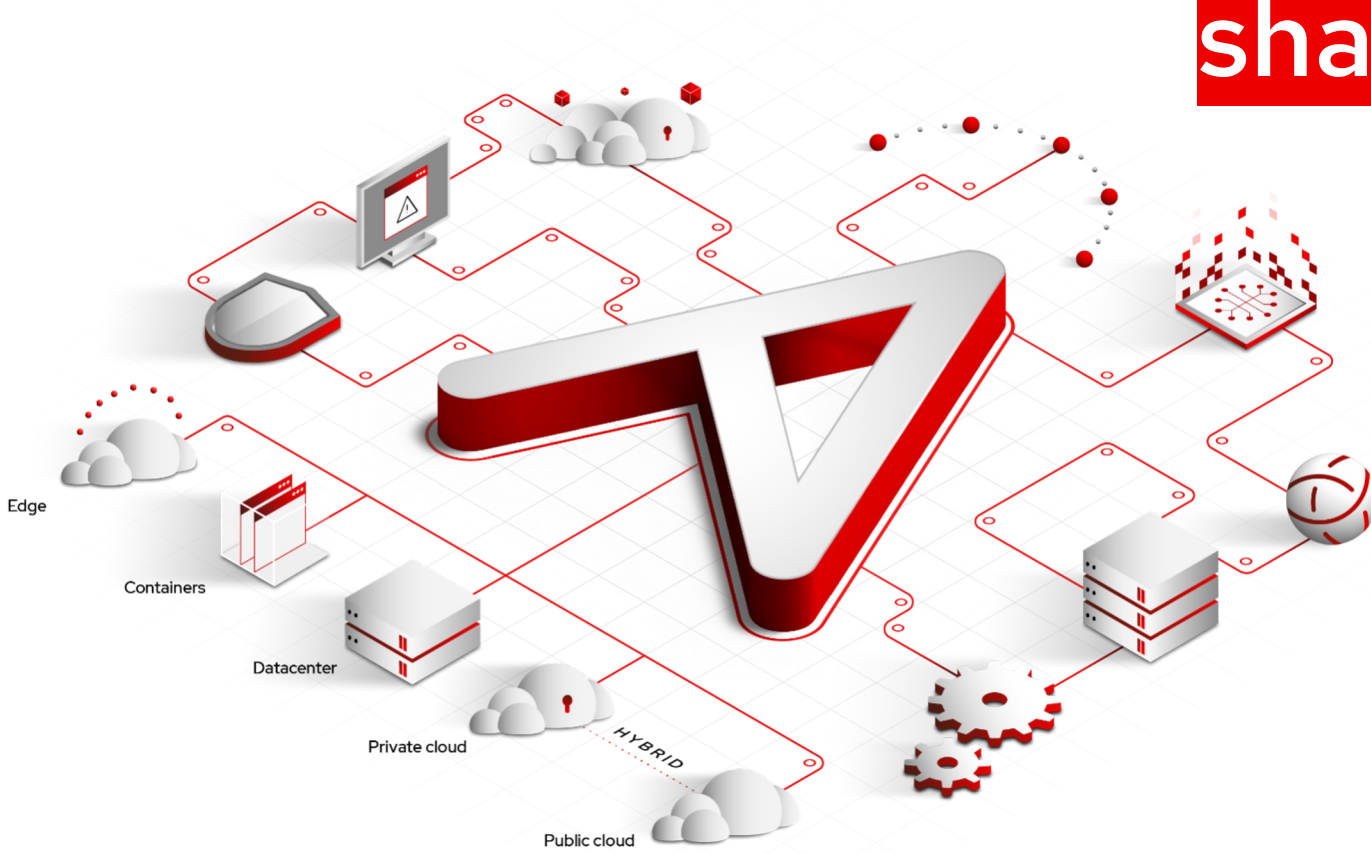
Ansible made automation more accessible



Ansible

made automation

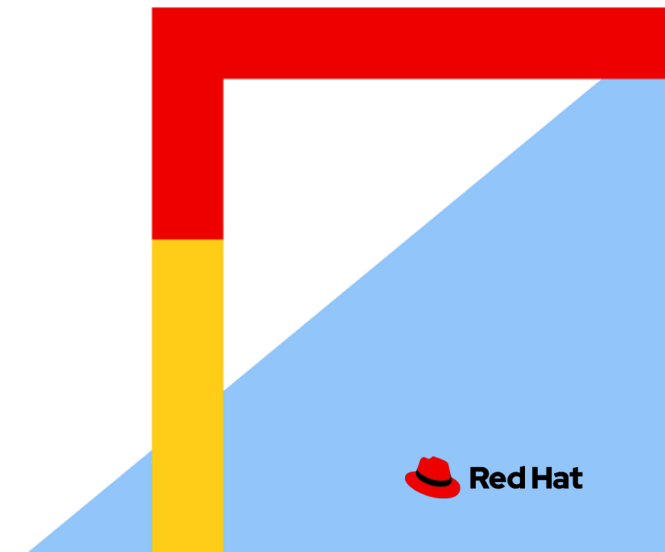
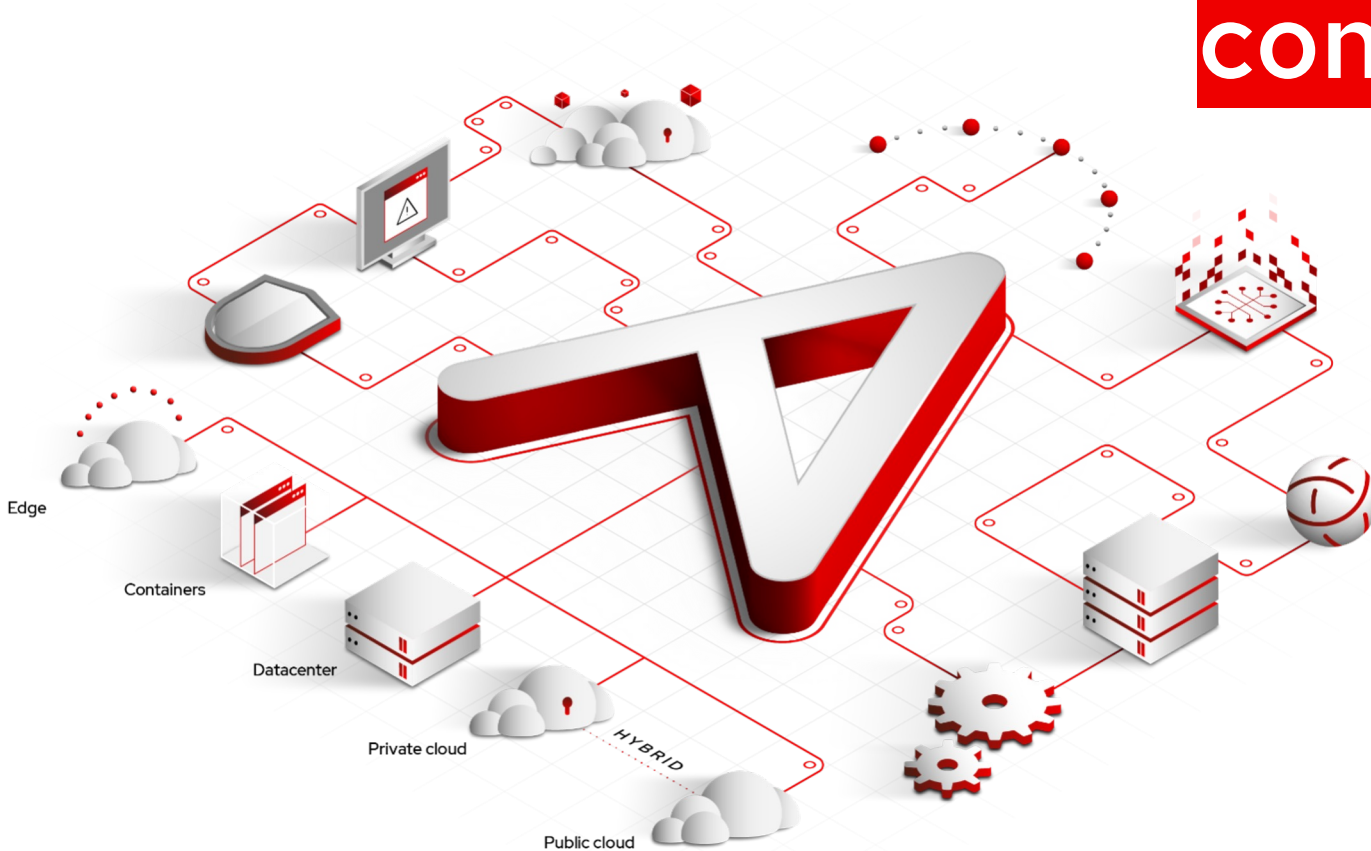
shareable



Ansible

made automation

consumable

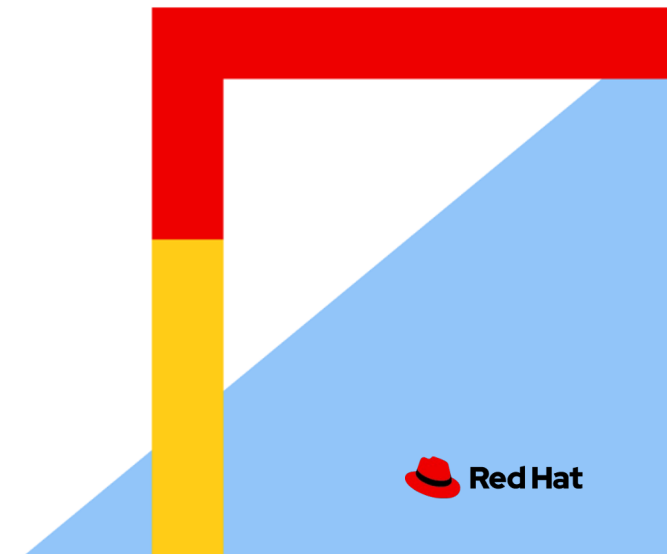


Observation # 3

AI is a

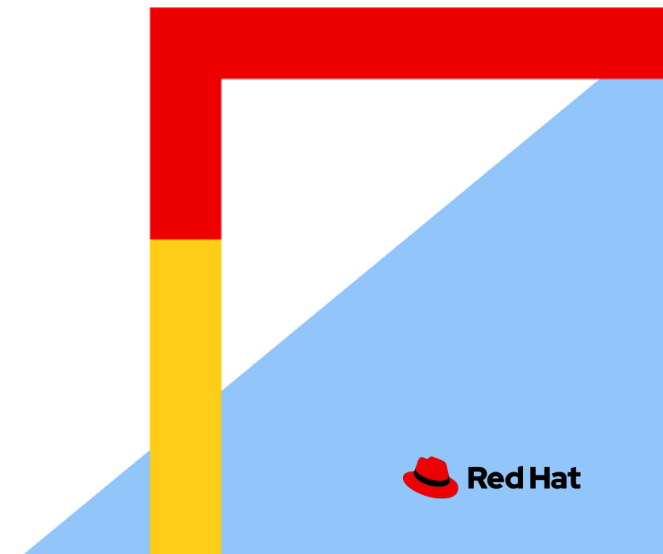
natural progression

of automation



AI means machines:

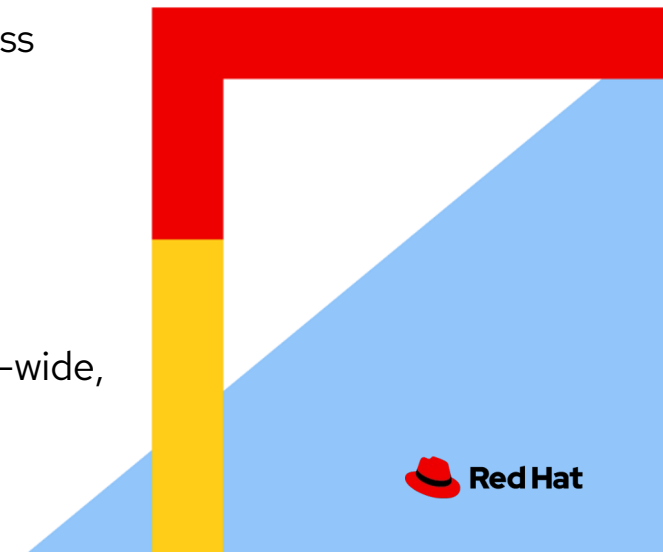
- Automating processes
- Connecting infrastructure and tools
- Making decisions



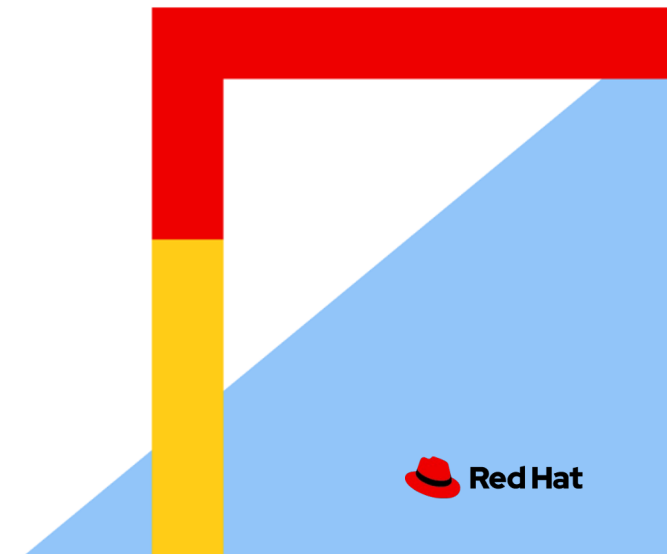
Automation is Mission Critical

For organisations that:

- > Need to drive **consistent, reliable** and **compliant IT ops** workflows across domains in order to keep pace with the needs of the business
- > Need help making **essential tools**, workflows and **IT investments** more **actionable**?
- > Need your **teams** and **technology** to be **better prepared** for enterprise-wide, **AI-driven workflows**

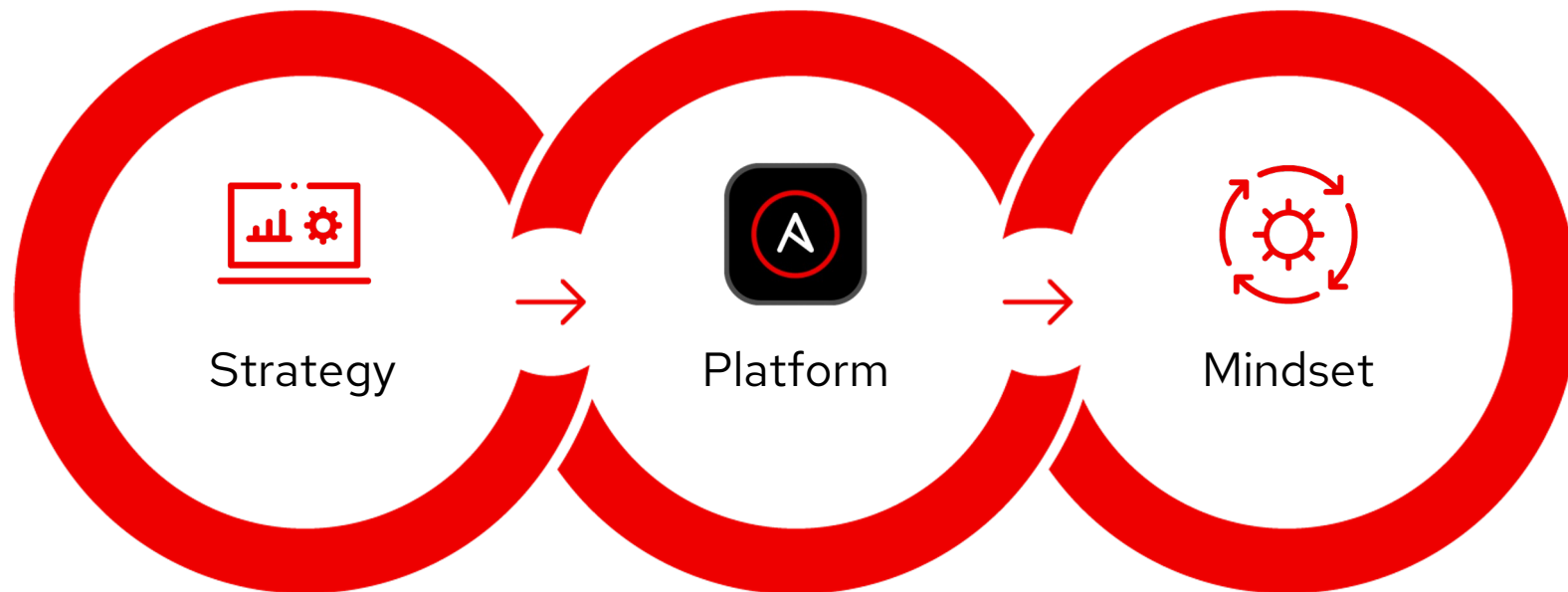


How do you bring mission-critical automation to your organization?"



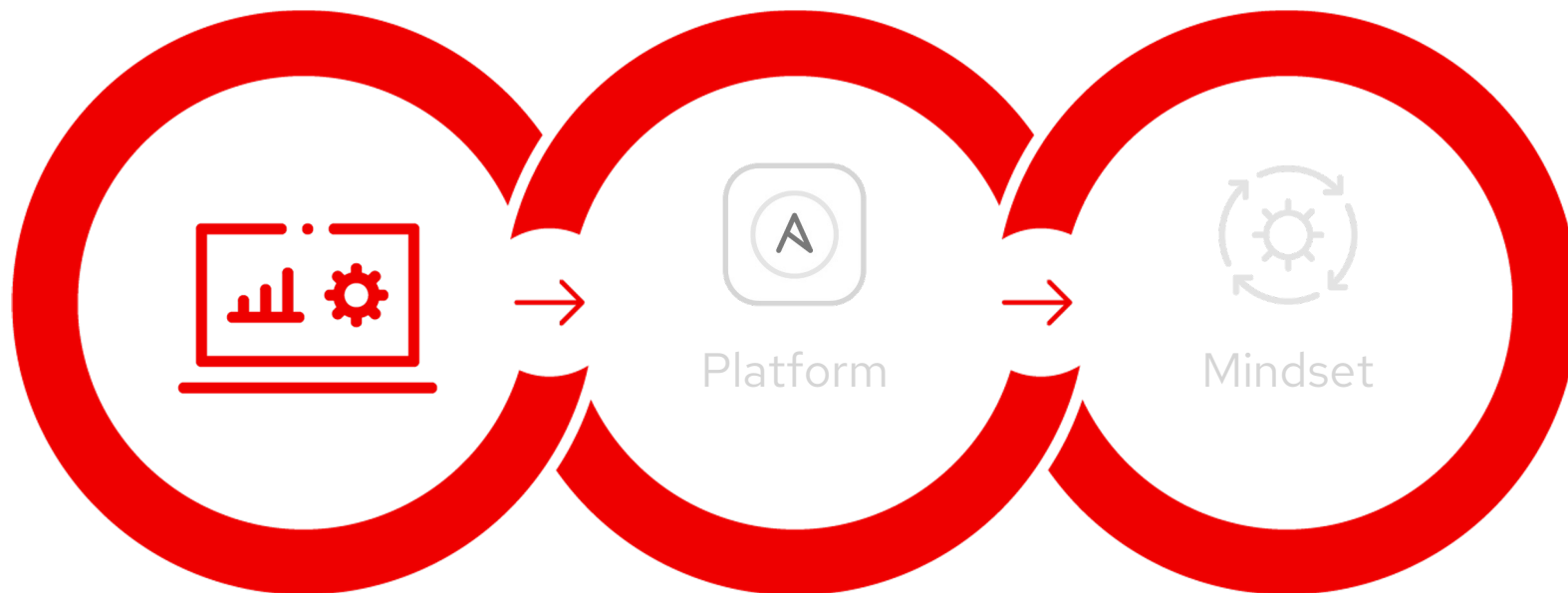
Making automation mission-critical to the organization

Success highly achievable - but it is not a given!



Strategy

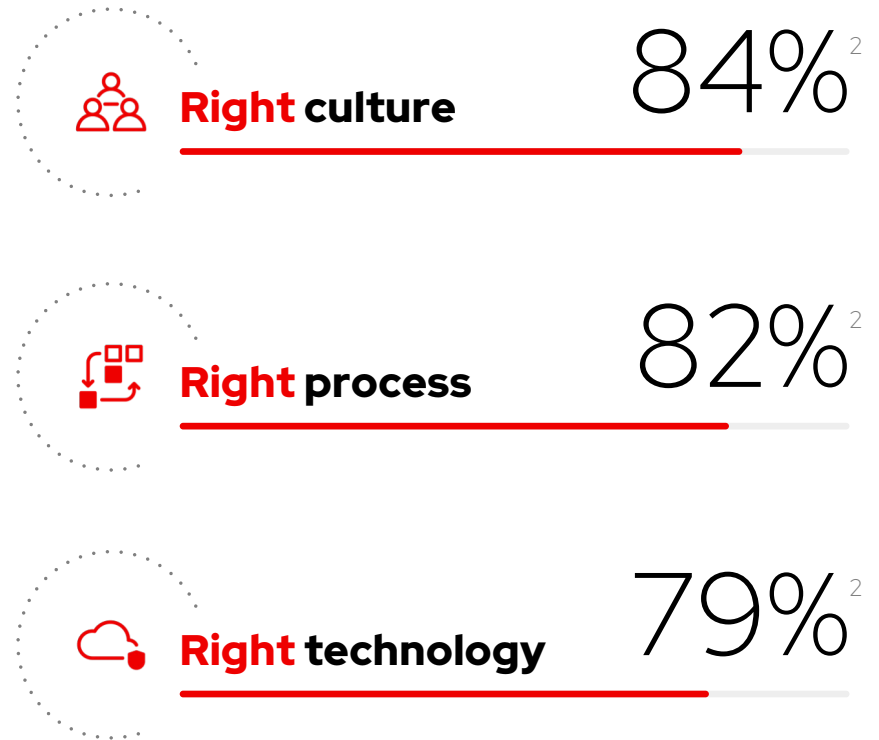
Are your barriers to automation **technical** or **cultural** ?



89% of executives surveyed say success comes from addressing all three components.

Harvard Business Review →

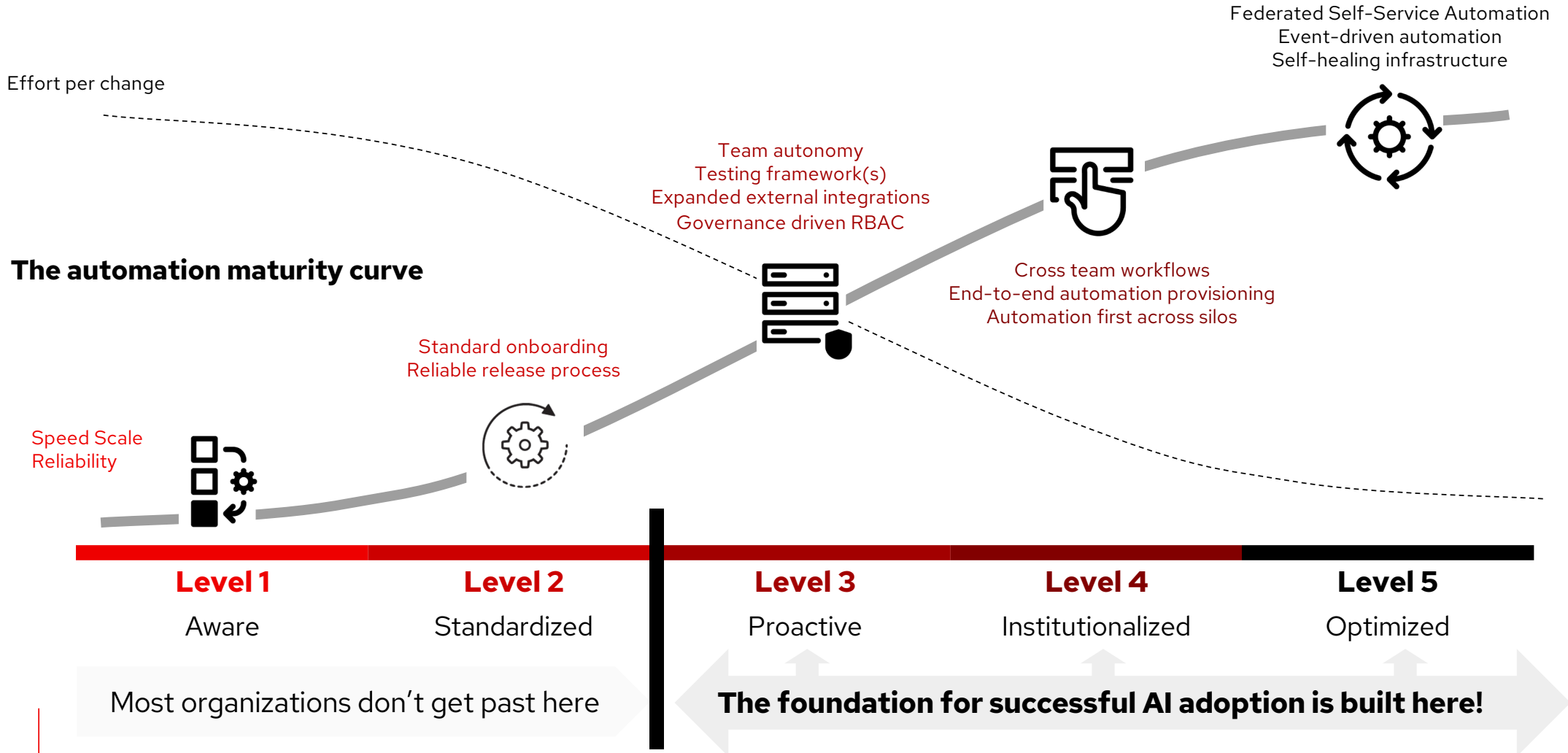
findings validate their necessity



- Accelerating Transformation for a Post-Covid-19 World ([source](#));
- Harvard Business Review Analytics Services survey, February 2021



Successful automation takes strategic commitment



Success Metrics

From there we identified success metrics that map to each facet.
These are an initial set of success metrics and more could be added over time.

Utilization

Platform-driven

- Subscription Utilization/Consumption
- Cluster Count
- Active Users / Teams
- % Workloads vs Target

Performance

Delivery

- Lead Time for Change
- Deployment Frequency
- Mean Time to Restore
- Change Failure Rate

Reliability

- Traffic
- Latency
- Error Rate
- Saturation



Proficiency

Organizational Knowledge

- Completed Training
- Skills Assessments
- Advocacy Events
- Onboarded Teams

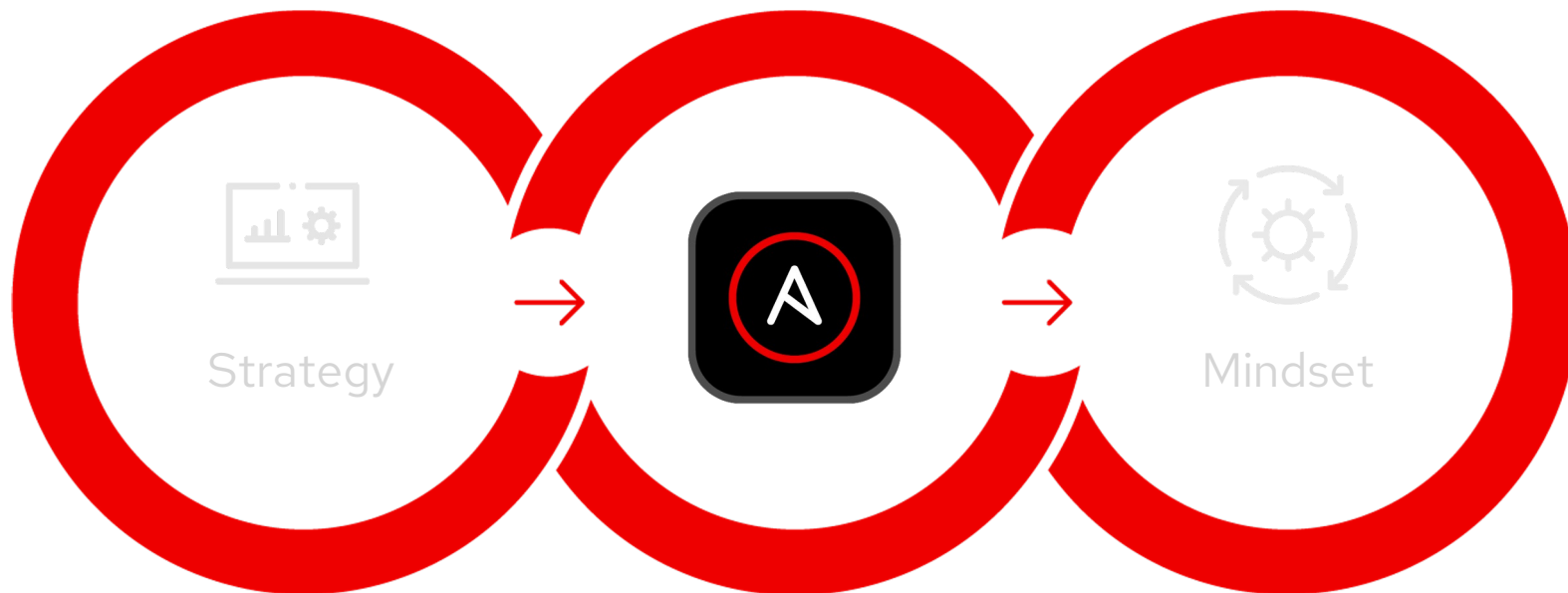
Perception

People-driven

- Value
- Compatibility
- Complexity
- Observability
- Trialability

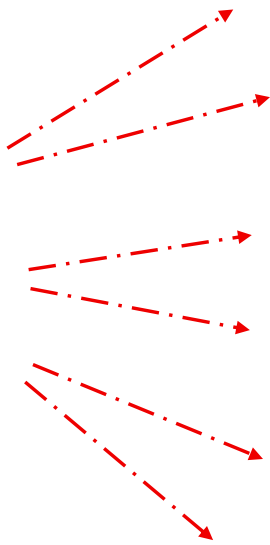
Platform

How do you envision **taking your IT ops to the next level ?**



It takes a mission-critical automation **platform**

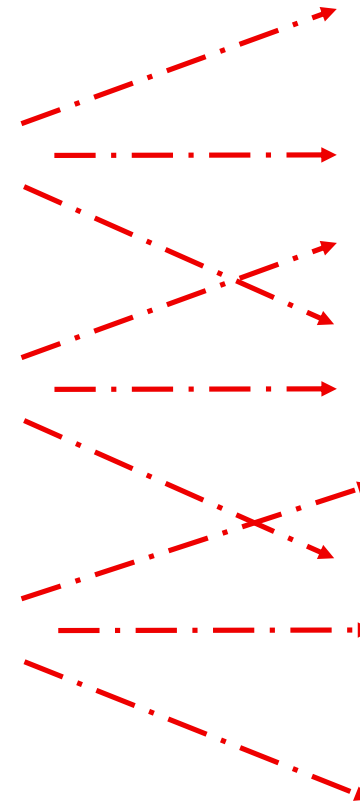
Red Hat Ansible is a force multiplier for IT teams



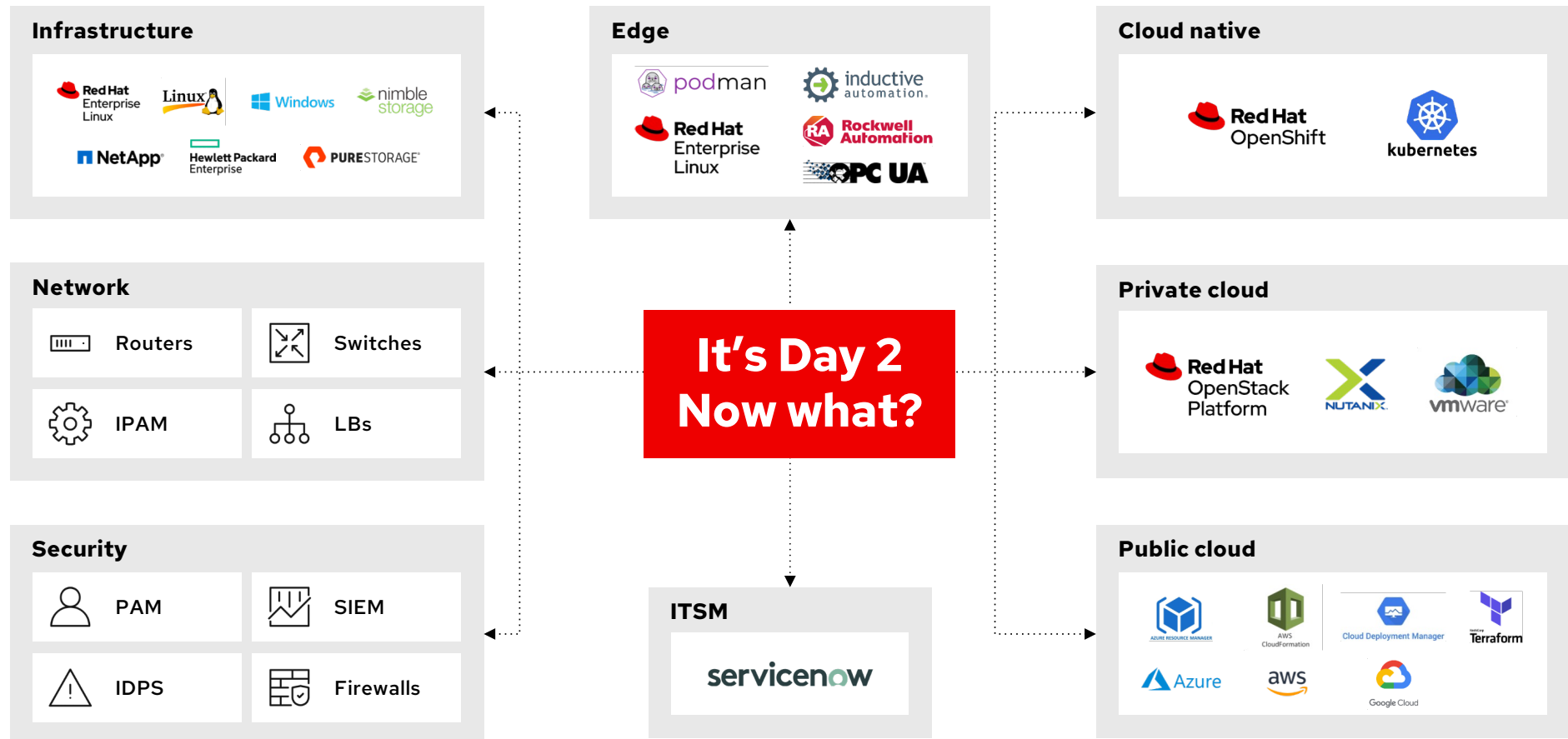
Maximize ROI on existing technology investments by making essential tools more actionable with Event-Driven Ansible.

Operate with more flexibility across environments for true open hybrid cloud automation.

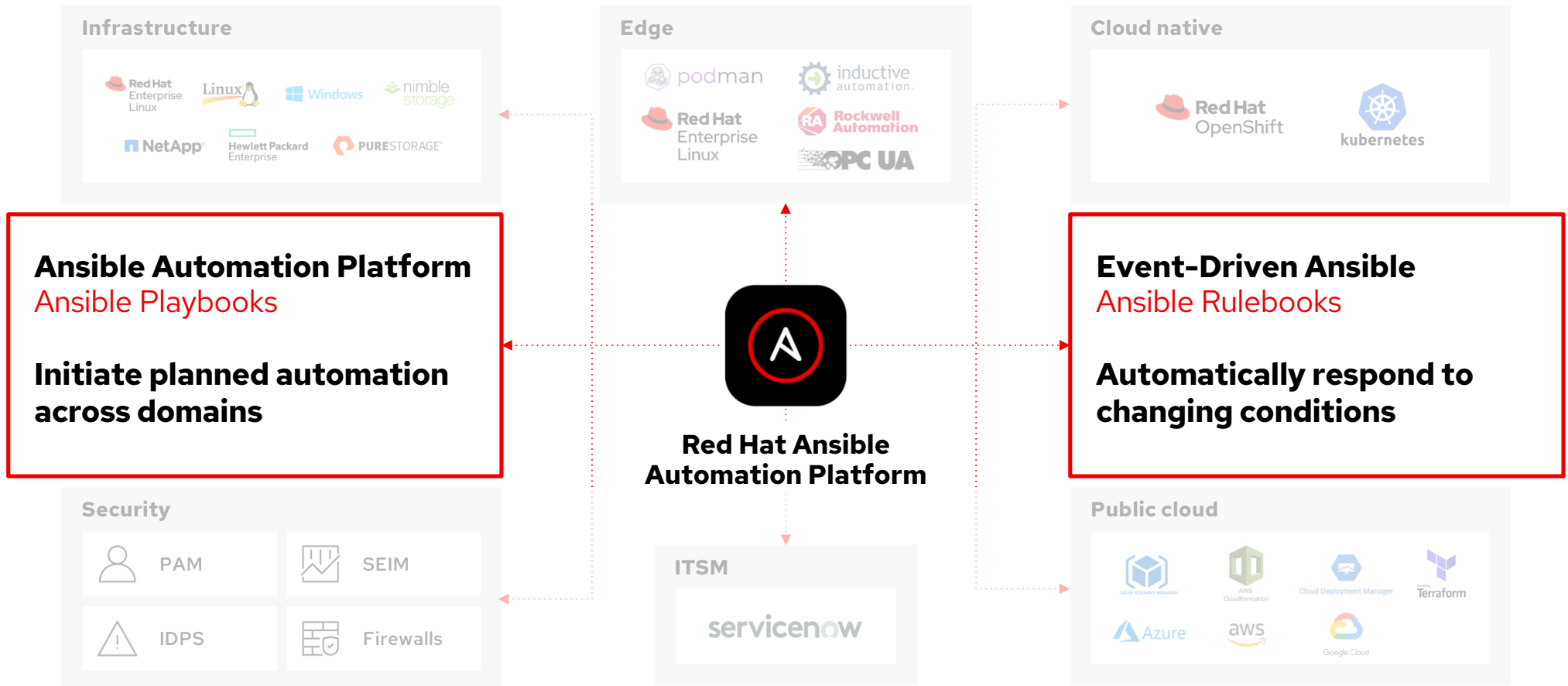
Accelerate time to value, while extending automation SME across your workflows for greater operational impact, with Ansible certified and validated content.



The reality of hybrid infrastructure

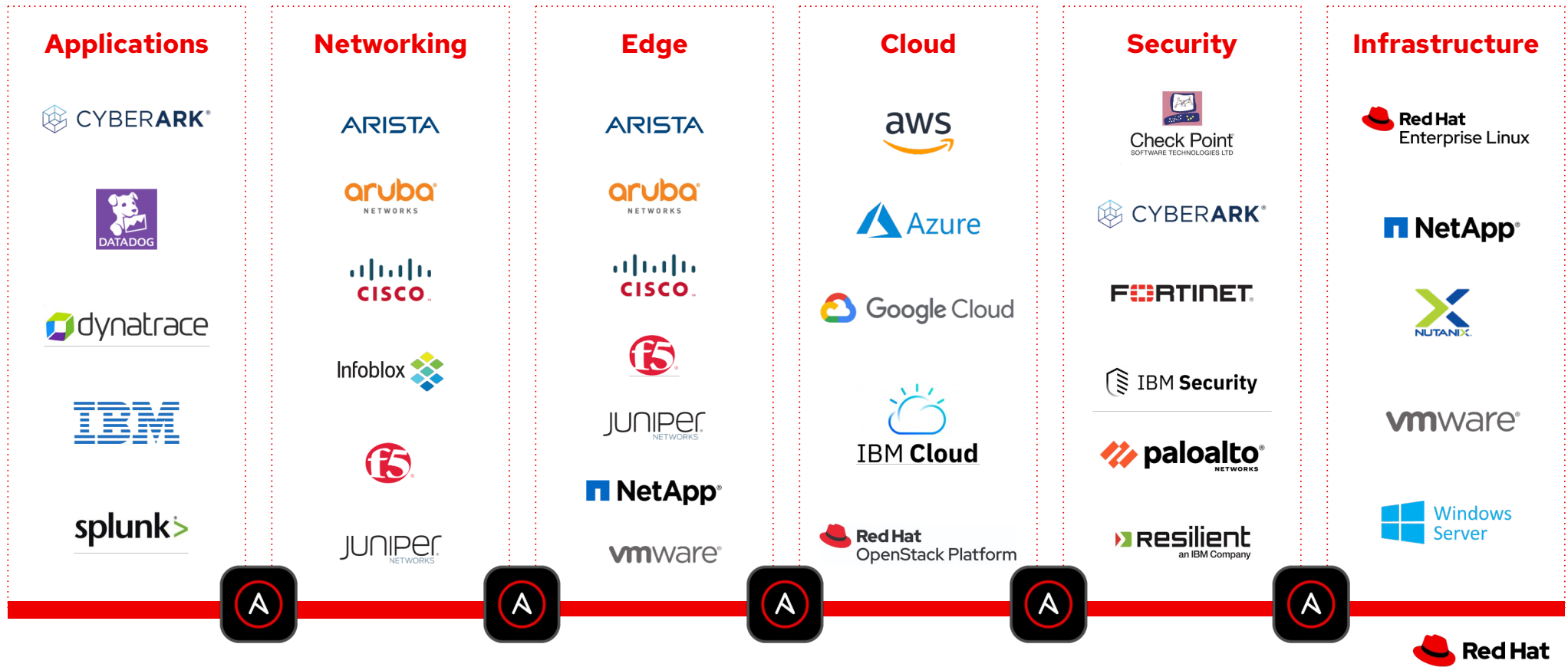


Choosing the right automation platform means **you have options**



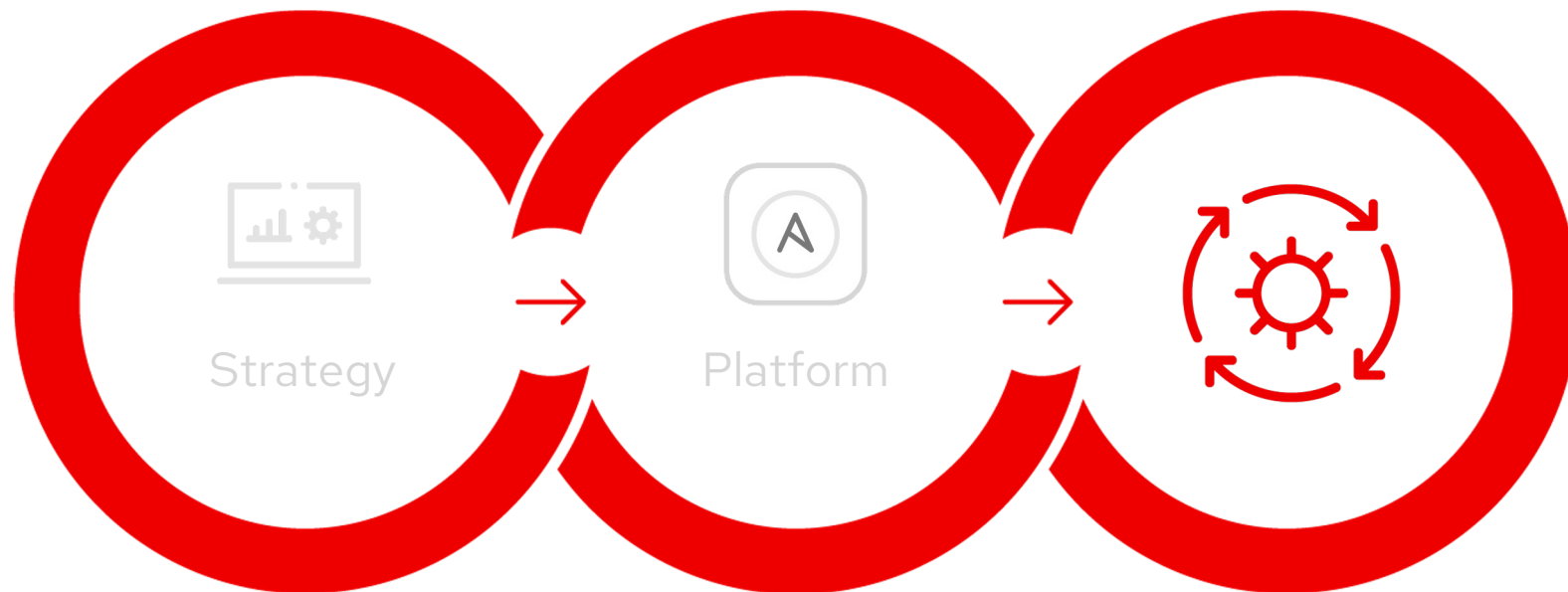
Seamless integration with other mission-critical tools

Build and operate essential workflows across the open hybrid cloud ecosystem



Mindset

Do your teams clearly understand how they can benefit from automation ?

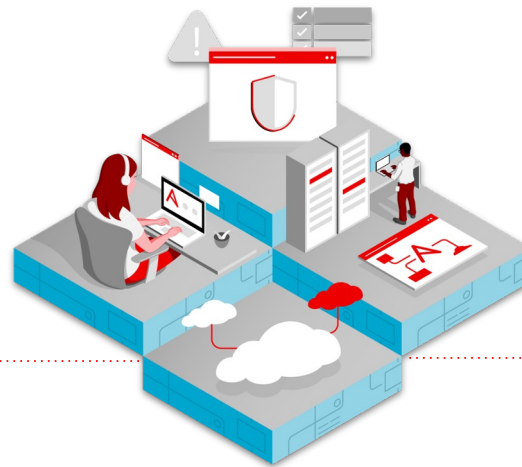


It takes a mission-critical automation **mindset**

Maximizing automation adoption across domains

3000+
customers

170+
Certified
Content
Collections



70+
Certified
Technology
partners

110+
Systems
integrators +
Resellers



**Network +
Edge**



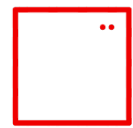
Security



Virtualization + OS



Cloud



Applications

Red Hat Ansible as a force multiplier

Making your entire stack more secure, actionable, and compliant with automation



Operating Systems



Cloud

Network

Application Delivery

Virtualization

More Secure

- Securely automate RHEL, Windows, and more
- Certified content offers security from Red Hat and OS vendors

- Automate securely with support by Red Hat and Cloud Providers
- Red Hat-managed +self-managed options for your security needs

Security

- Consistent standard configuration mitigates misconfiguration risk
- Respond faster to vulnerabilities via configuration changes

- Automate security checks
- Create audit trails
- Manage access privileges

- Build in security requirements
- Notify and/or remediate alerts or threats

More Actionable

- Fact gathering and notification
- Basic to advanced remediation
- Configuration and drift management
- Address security faster

- Trigger cloud estate checks
- Remediate tasks from the service bus
- Automated troubleshooting
- Coordinate deployment actions

Event-driven automation

- Automated critical incident management to open tickets with relevant data at the moment of the failure
- Trigger troubleshooting workflows for known operational issues

- Automate testing
- Respond to observability alerts (hardening etc.)

- Automatically respond to service requests including ticket enrichment, self-service, user access needs
- Scale up or down as conditions change

More Compliant Distributed

- Securely automate RHEL, Windows, non RH Linux on edge devices
- Certified content offers security from Red Hat and OS vendors

- Leverage Red Hat and Cloud provider support for compliance
- Reduce compliance risk by migrating to cloud

Governance, Risk, Compliance

- Schedule compliance checks and remediation actions
- Integrate with network Identity Services, enforce predefined policies across devices.

- Enforce standards (internal, security, etc.)
- Verification of SSL certificates

- Enforce standard configurations and security
- Control provisioning criteria (e.g size of VM limits)
- Audit and report to identify compliance stance./drift

Edge

- Branch updates + patching
- Integrate and automate SDN cloud managed systems (SASE and SD-WAN)

- Deliver and manage edge devices
- Ensure edge device security, e.g patch when device is online

Checking what makes sense here

