

Automation Everywhere: Value of automation

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~~Automation is a tool.~~

~~Automation is tactical.~~

Automation is strategic.

According to **Forrester Research...**

"Automation is now a boardroom imperative."

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COVID-19 Has Made Automation A Boardroom Imperative

MAY 13 2020



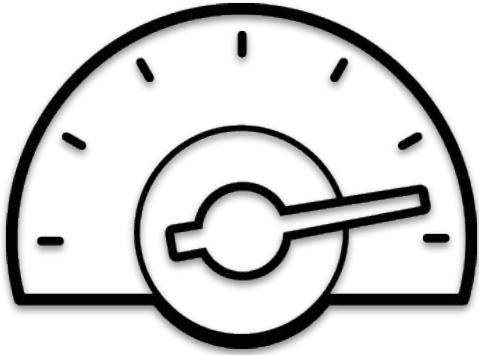
As we emerge from the Coronavirus crisis, firms will undoubtedly look to automation as a way to mitigate the risks that future crises pose to the supply and productivity of human workers. The report "The COVID-19 Crisis Will Accelerate Enterprise Automation Plans" details how automation has been a major force reshaping work since long before the pandemic, and how it's now taking on a new urgency in the context of business risk and resiliency. Key takeaways include:

- **Firms will invest in more cognitive capabilities and supplied AI, industrial robots, service robots, and RPA**, however these investments will have unequal impacts on the global workforce
- **COVID-19 has made automation a boardroom imperative** as CEOs are now forced to expand business continuity and risk to include 'white swan' events
- **Businesses will need to approach automation with empathy** as the human impact of the crisis on the workforce continues into recovery

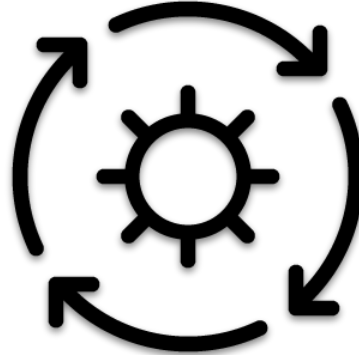
The author of the report, Leslie Joseph, has also published a blog post on this topic: [COVID-19, Automation, And You](#). Leslie is available for media interviews. Please reach out to press@forrester.com

Automation adoption is a game-changer

How you can expect the right automation strategy to impact your IT - and your business



Faster innovation



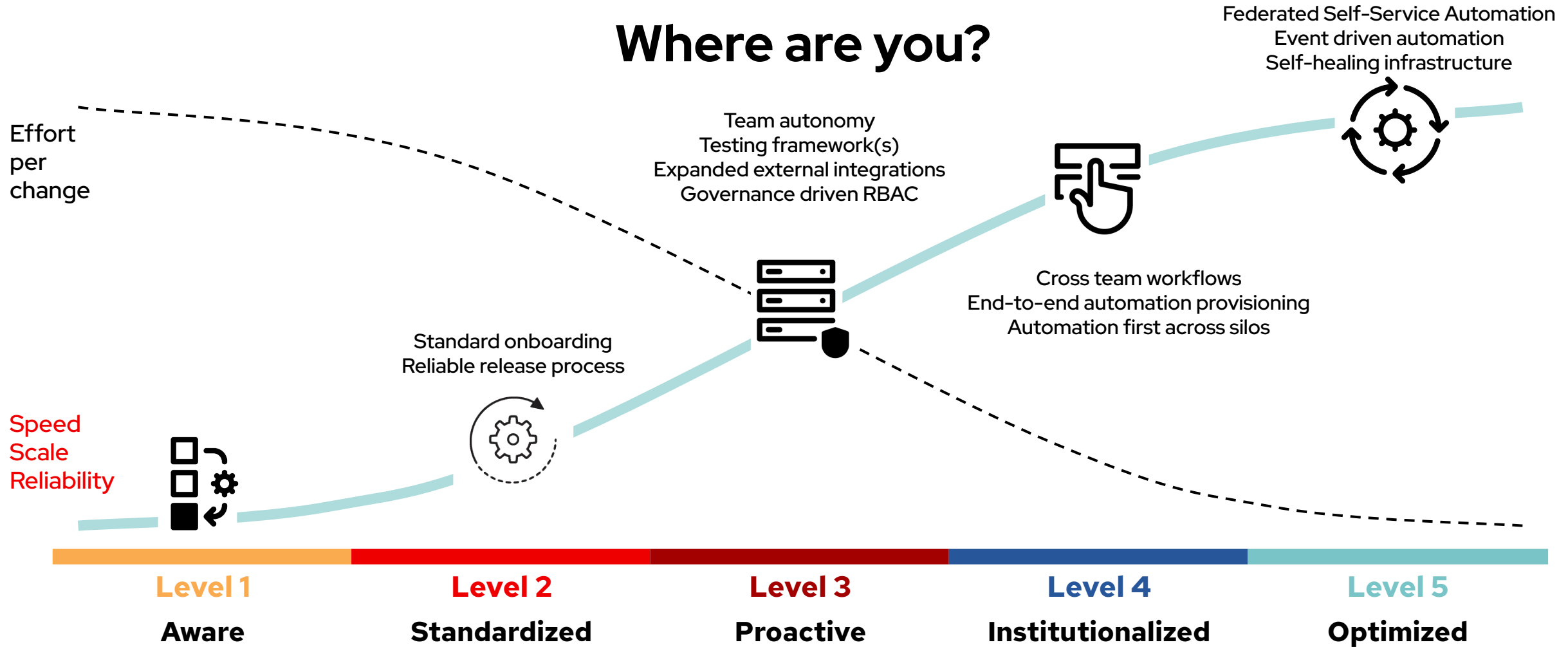
Increased efficiency



Reduced cost

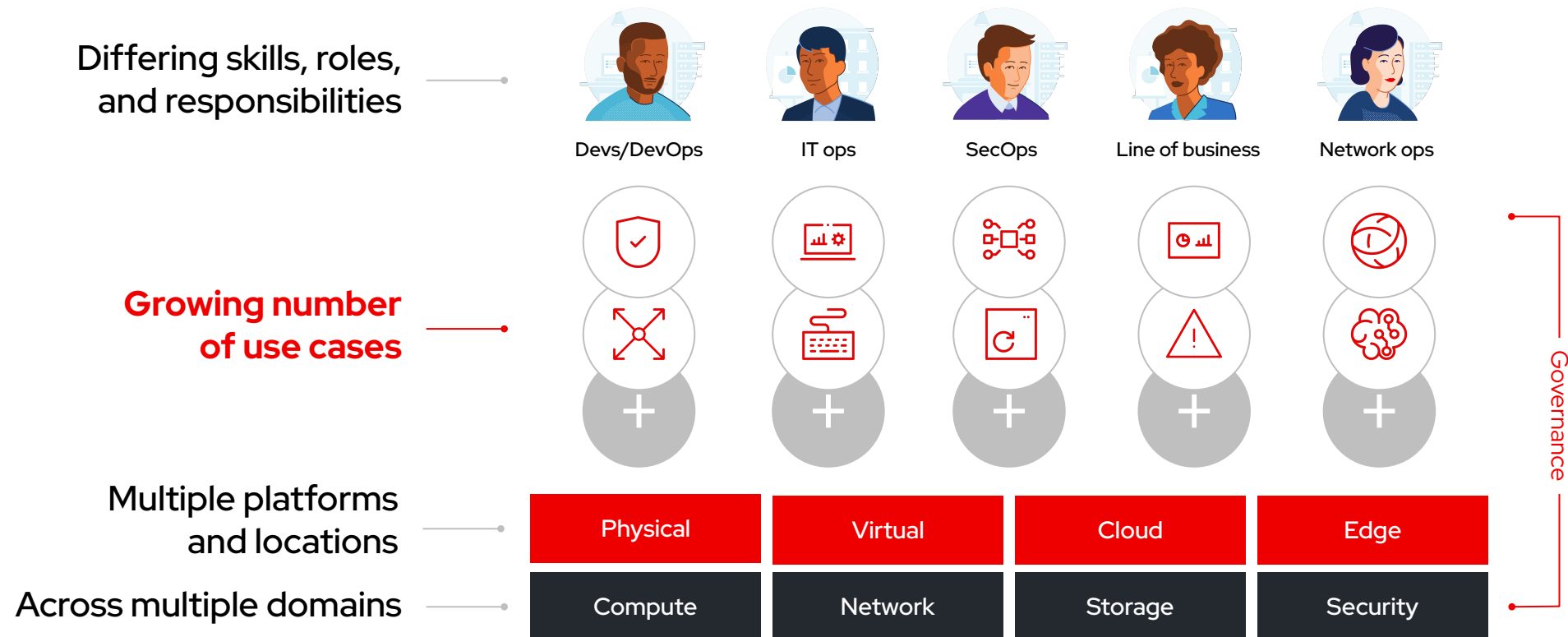
Automation Maturity Curve

Where are you?

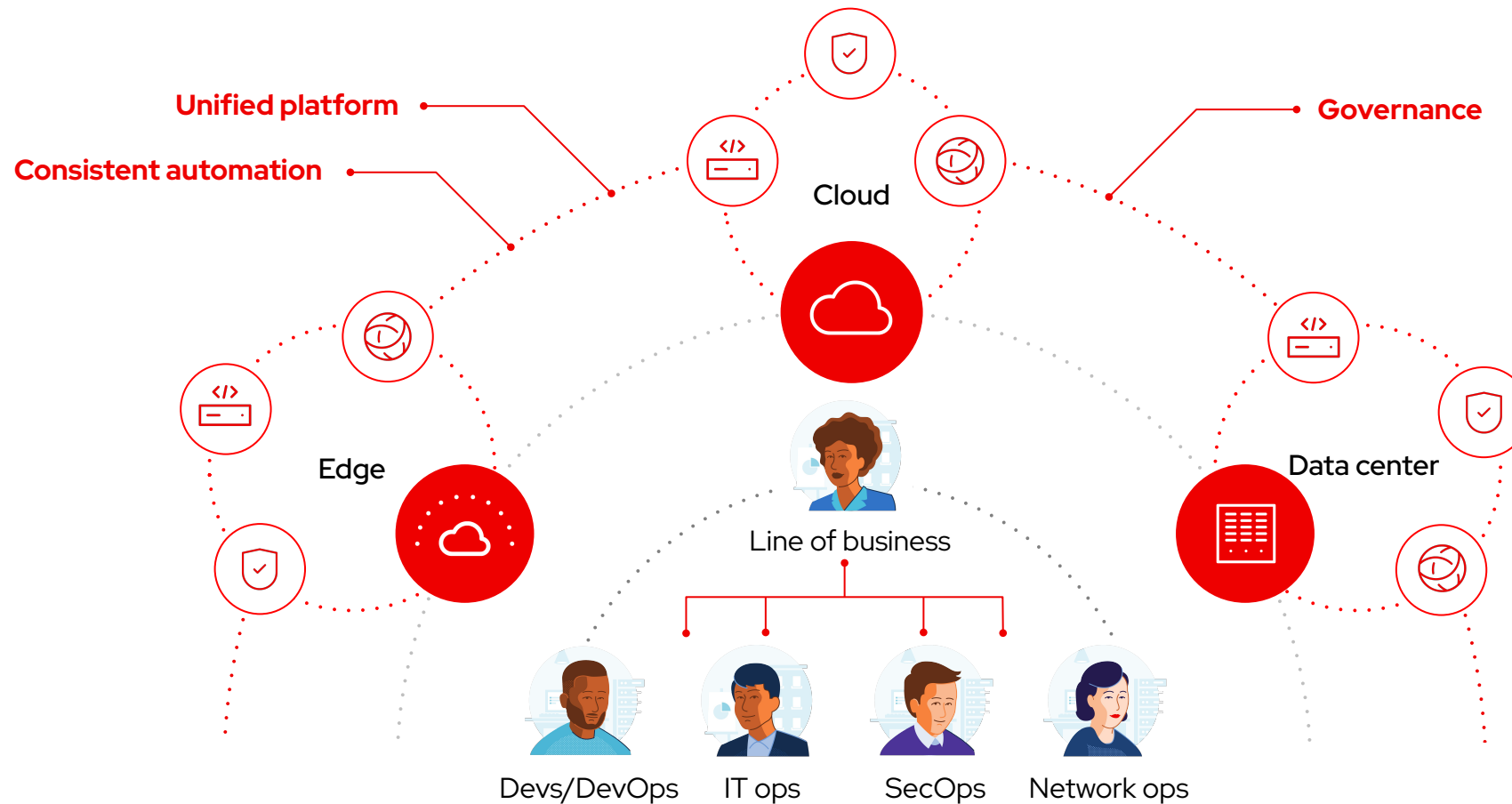


Common challenges!

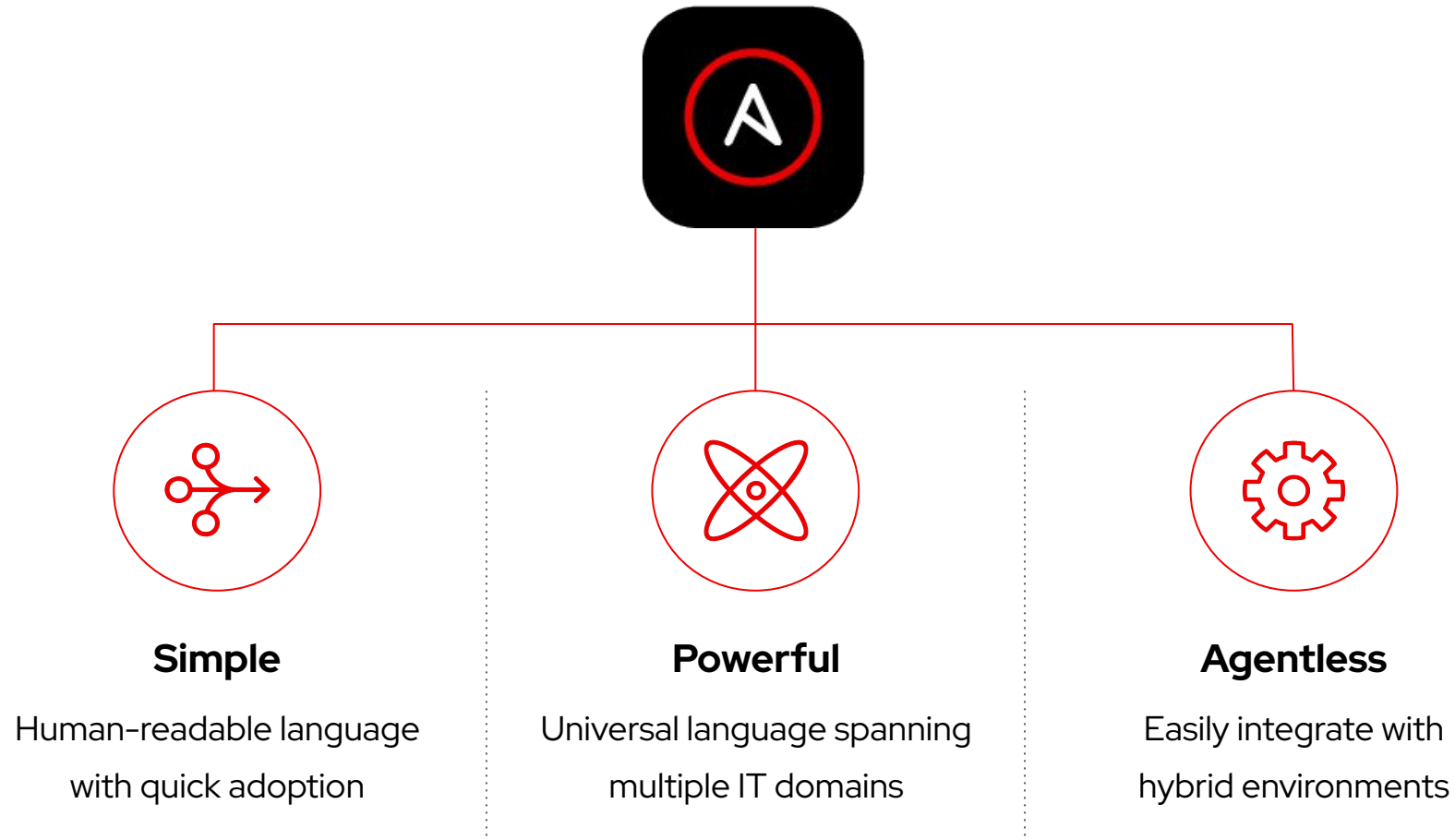
Many organizations **share the same challenge**



The solution? **Establish collaboration!**



Ansible is the **de facto automation language**.



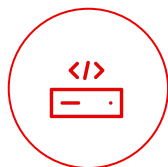
Supported and certified **content you can trust.**

140+

Certified Content
Collections

55+

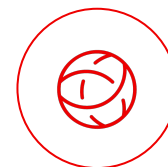
Certified technology
partners



Infrastructure



Cloud



Network



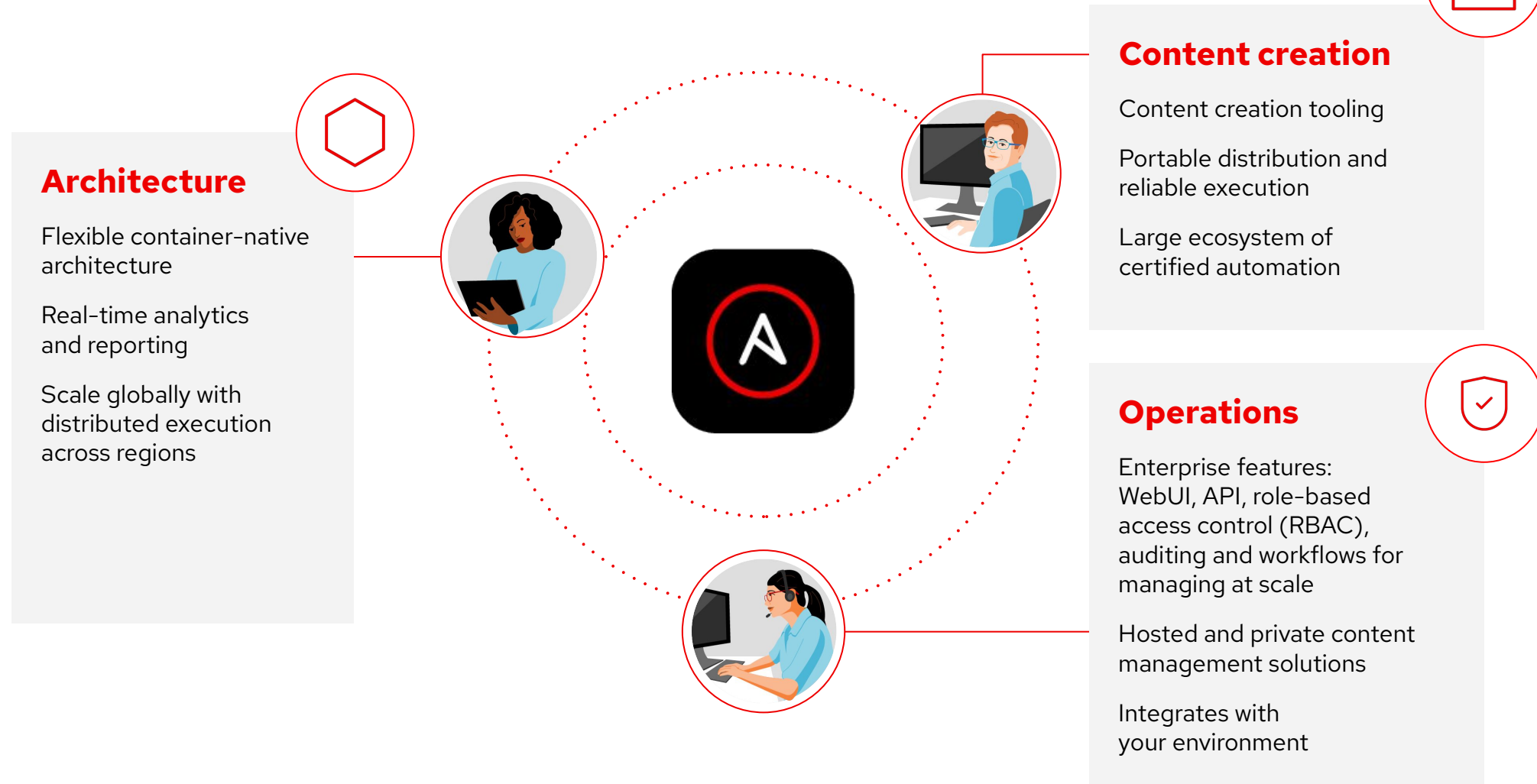
Security



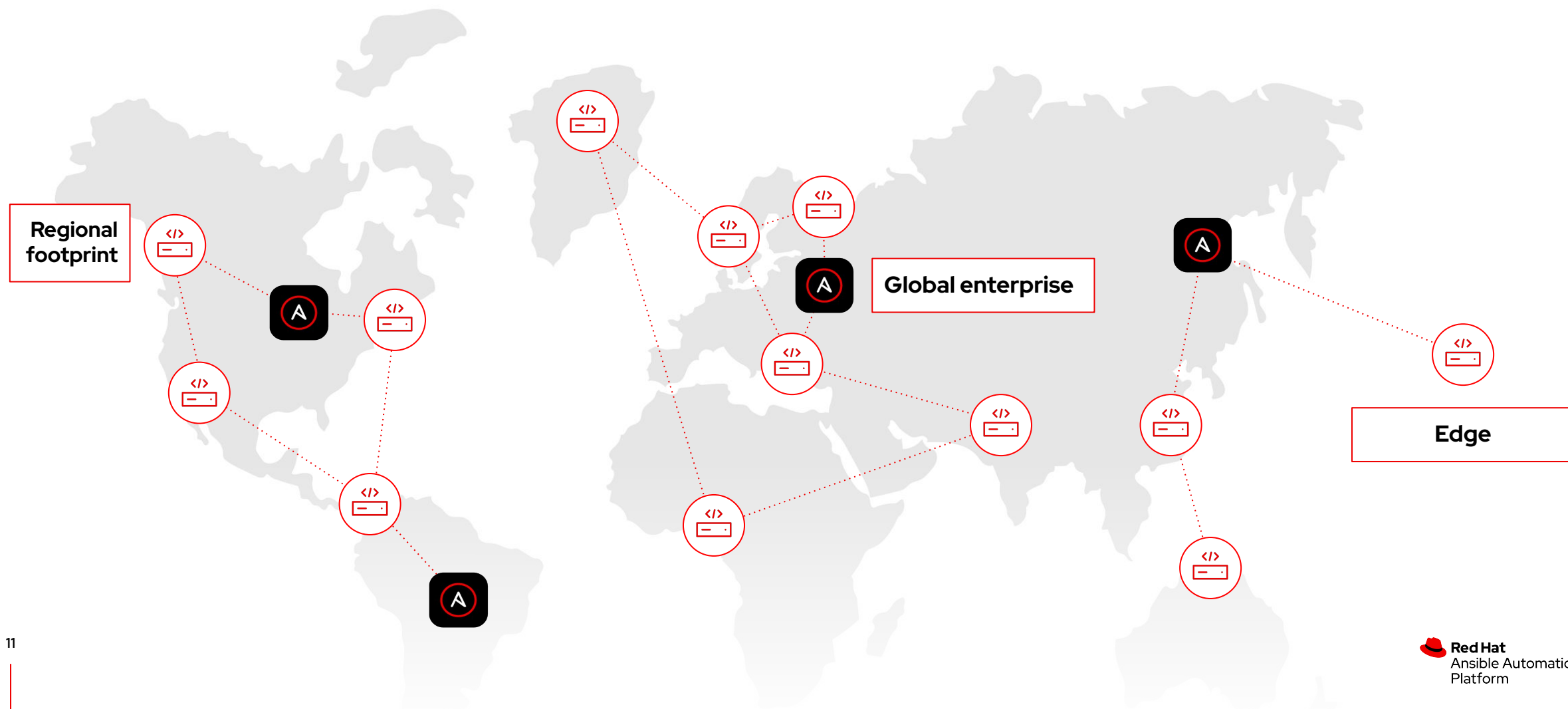
Edge



A platform for the **entire automation team.**



The flexibility to scale, **wherever that may be.**



Red Hat is a **leader** in the 2023 Forrester Wave™: Infrastructure Automation

THE FORRESTER WAVE™

Infrastructure Automation

Q1 2023



*A gray bubble or open dot indicates a nonparticipating vendor.

Vendor Profiles

Our analysis uncovered the following strengths and weaknesses of individual vendors.

Leaders

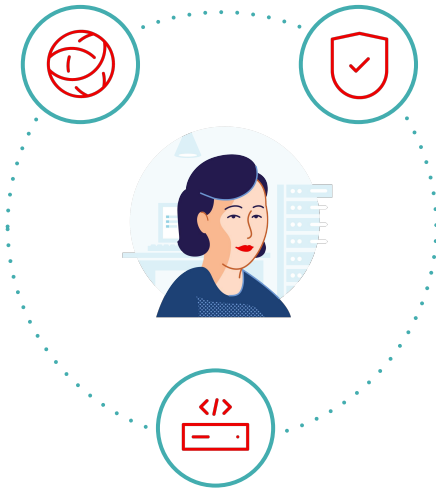
- **Red Hat leverages its strong open source community to power innovation.** Red Hat is well-known for commercializing open source software for enterprises. It adds capabilities to upstream Ansible via its Ansible Automation Platform; this solution includes Automation Hub, Automation Services Catalog, and Insights for Ansible. Red Hat sets the pace of the market by addressing operational challenges, skill gaps, and budgetary pressures. Its strength lies in its community, which has led to solid partnerships and supporting services. Red Hat capitalizes on this ecosystem by adopting and embracing the work of contributors. Key upcoming features include trusted automation supply chain, Event-Driven Ansible, and AI-led automation through Project Wisdom.

Ansible has strengths in configuration management, integration with configuration management database (CMDB), analytics, and community support. It can clearly handle scale: Large global systems integrators lean on it to deliver managed services. Ansible's minimal support for storage contrasts with its strong server and network capabilities; it also lacks multilayered service blueprints, infrastructure templates, and complex orchestration (handling incidents with automated resolutions or remediation). Reference customers find the upgrade path and process troublesome despite their best efforts. They also want more flexibility and better capabilities for business continuity and disaster recovery. Red Hat is a great fit for firms seeking consolidated automation across many infrastructure technologies and vendors.

Source: Forrester Research. "[The Forrester Wave™: Infrastructure automation Q1 2023](#)," 2023.

Many organizations share the same challenge

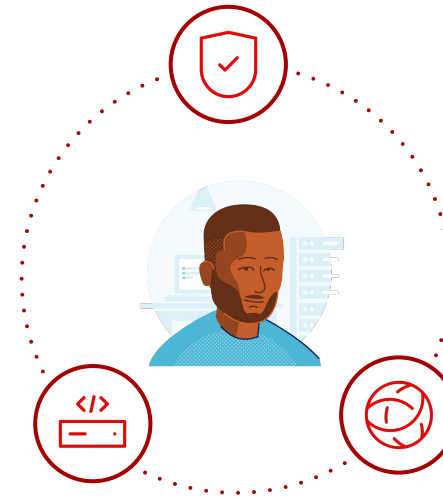
Too many unintegrated, domain-specific tools



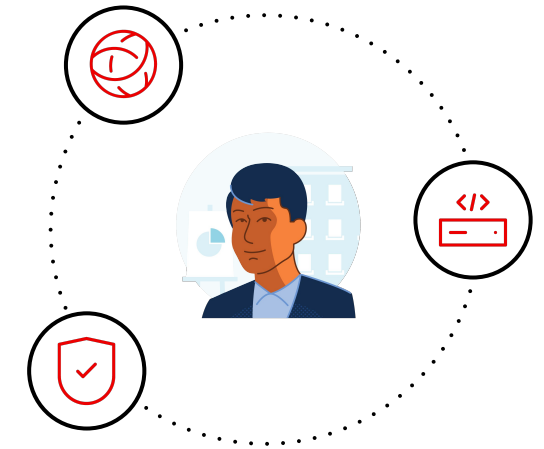
Network ops



SecOps



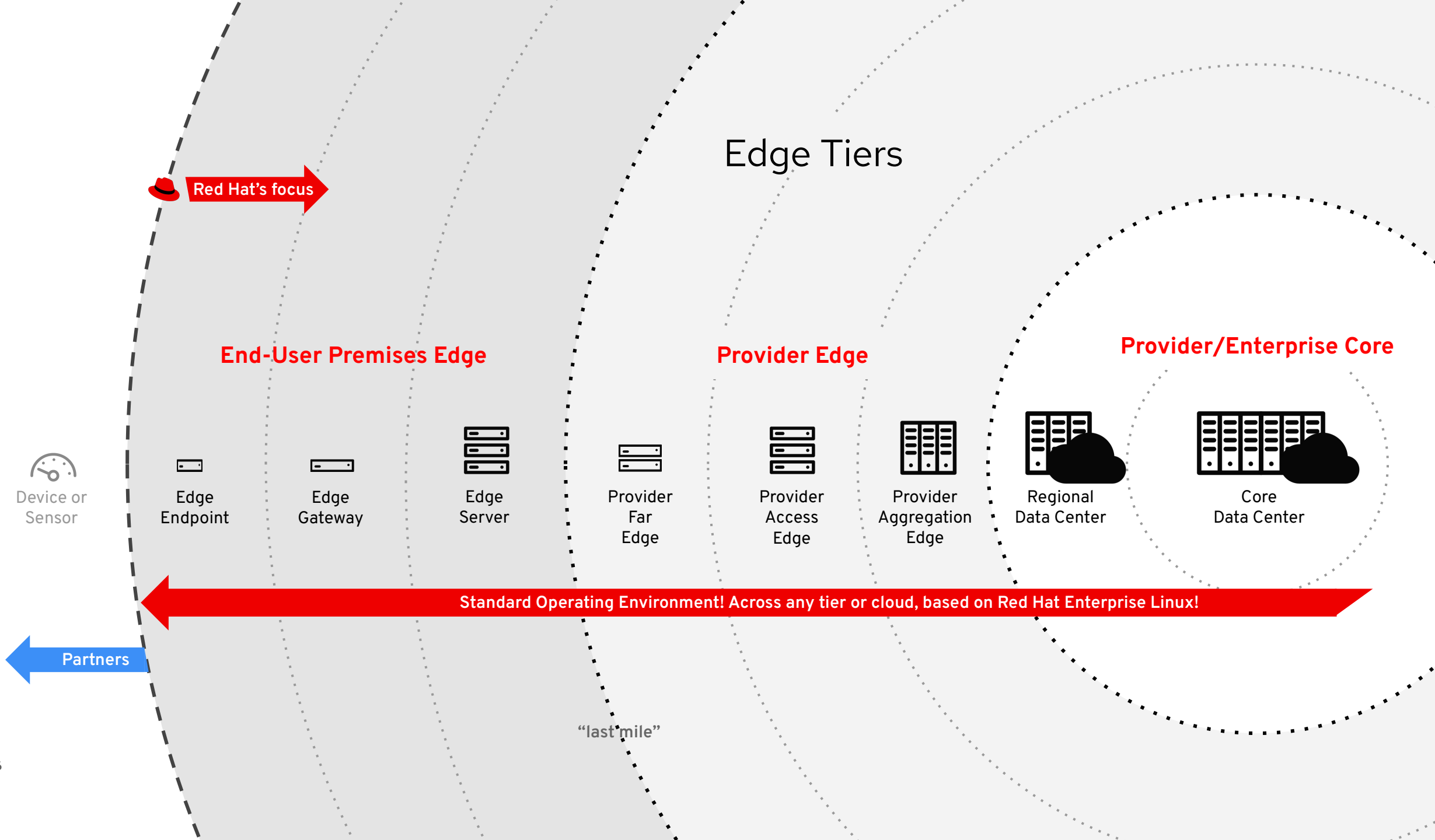
Devs/DevOps



IT ops

**We tend to focus a lot on
the technology!**

Let's talk about the how!



There is no lack of tools!



....and many, many more!

5 key value areas



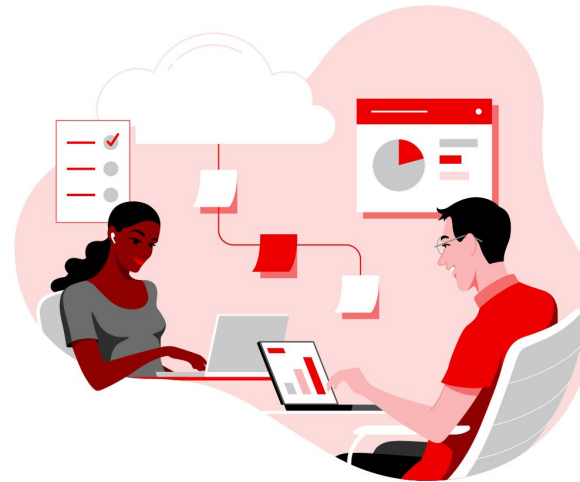
1. Improve efficiency, reduce costs, and accelerate time to market
2. Eliminate islands of automation
3. Support security
4. Minimize bespoke tooling
5. Attract and retain talent

How you do IT automation the right way

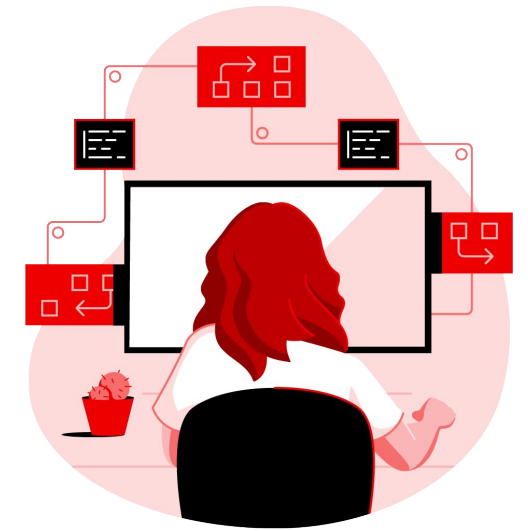
Adopt the following!



**Have an automation
first cultural mindset**



Leverage and share
individuals' skills and
experience



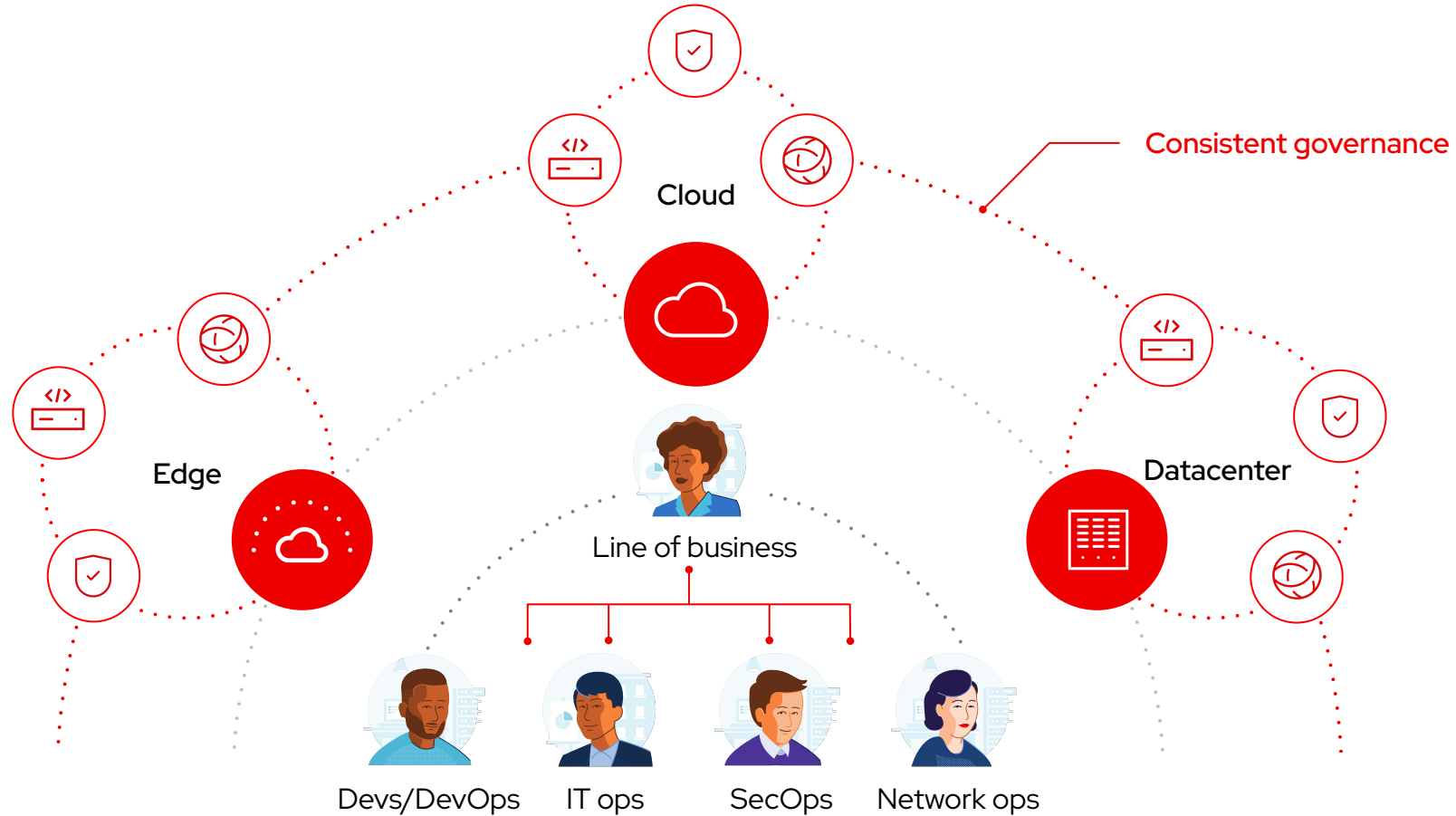
Think like effective
software developers

**We need to focus more
on the people and the
business processes!**

**We need to build a
community and culture
for automation**

Accommodate collaboration

Different teams, one platform



**We need some common
tools and methods!**



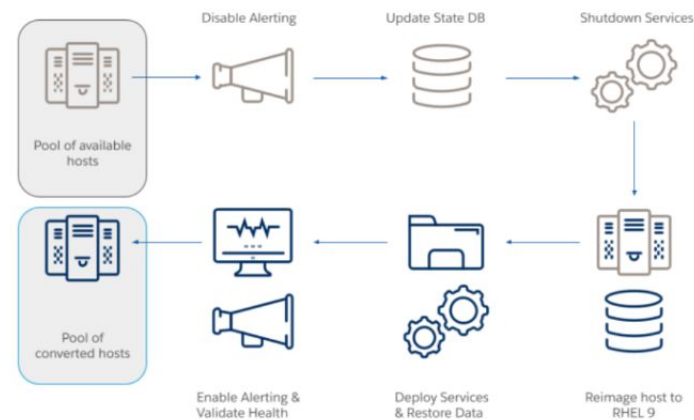
Red Hat Ansible Automation Platform



Red Hat

Automation at Scale: Migrating 200,000 Machines from CentOS 7 to RHEL 9

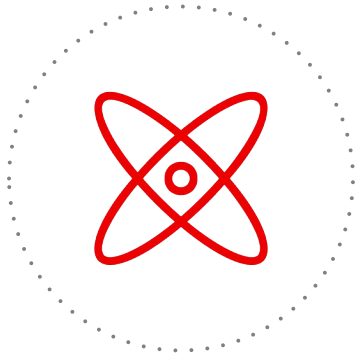
Scott Nyberg



When a legacy operating system (OS) approaches its end-of-support date, some organizations will upgrade their OS as fast as possible. **Others may kick the can down the road, delaying any headaches they might encounter during the upgrade process.**

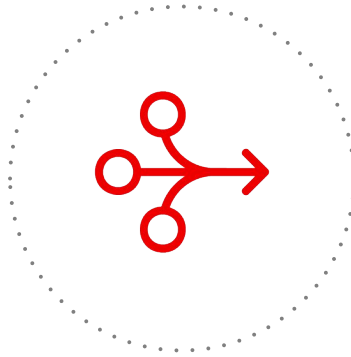
Six years ago, Salesforce Engineering put the pedal to the metal, migrating to CentOS 7, an open-source operating system based on the Red Hat Enterprise Linux (RHEL) source code. Back then, the team's biggest challenge for upgrading was the tedious and time-consuming manual labor involved, ranging from determining the health of machines to scheduling their OS upgrade.

Why the Ansible Automation Platform?



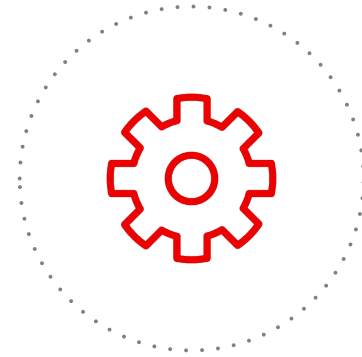
Powerful

Orchestrate complex processes at enterprise scale.



Simple

Simplify automation creation and management across multiple domains.



Agentless

Easily integrate with hybrid environments.

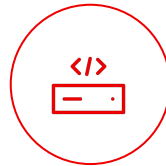
Supported and certified **content you can trust.**

140+

Certified Content Collections

55+

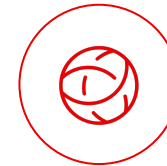
Certified technology partners



Infrastructure



Cloud



Network



Security



Edge



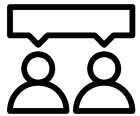
Five best practices for a successful automation rollout



Be a champion of the technology, rather than a sponsor (KPI)



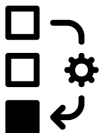
Align to business objectives



Support change, collaboration, and accountability



Encourage adoption by investing in people



Transform by shifting to an automation-first culture



"Adopting Red Hat Ansible Automation has not only changed how our networks are managed, but also sparked a cultural transformation within our organization."

Bart Dworak

Software Engineering Manager, Infrastructure and Operations, Network



Ansible security automation content

Certified Content Collections



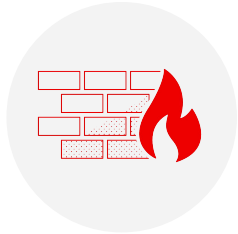
Security Information & Events Management



Enterprise Security



QRadar



Enterprise Firewalls



Check Point
SOFTWARE TECHNOLOGIES LTD

Next Generation Firewall
GAIA OS



Adaptive Security Appliance (ASA)



Advanced Firewall Manager



Fortigate: NGFW



SRX (JunOS)



Intrusion Detection & Prevention Systems



Check Point
SOFTWARE TECHNOLOGIES LTD

IPS Blade



Fortigate: IPS



Intrusion Detection System



Privileged Access Management



CYBERARK

PAM



Apache Syncope



ISAM



Endpoint Protection



CROWDSTRIKE

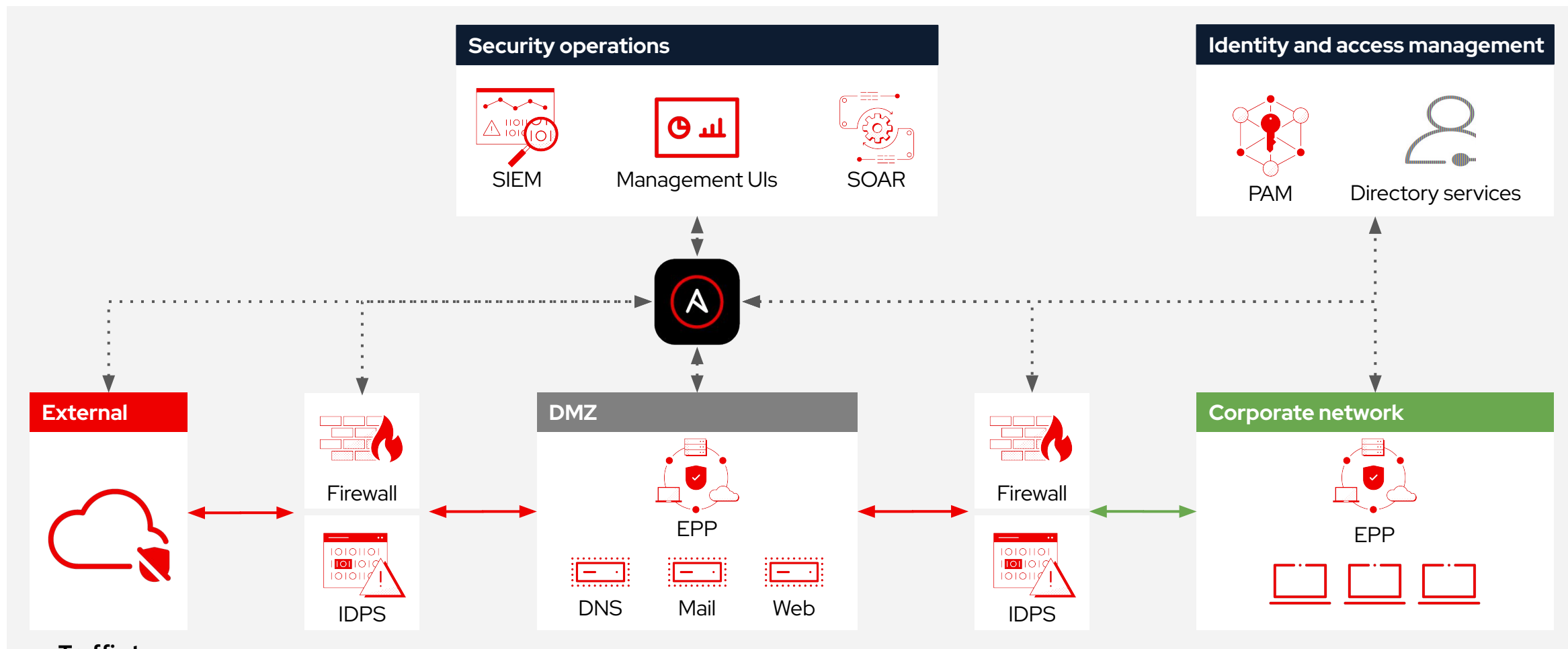
Falcon



Deep Security

Ansible security automation in your environment

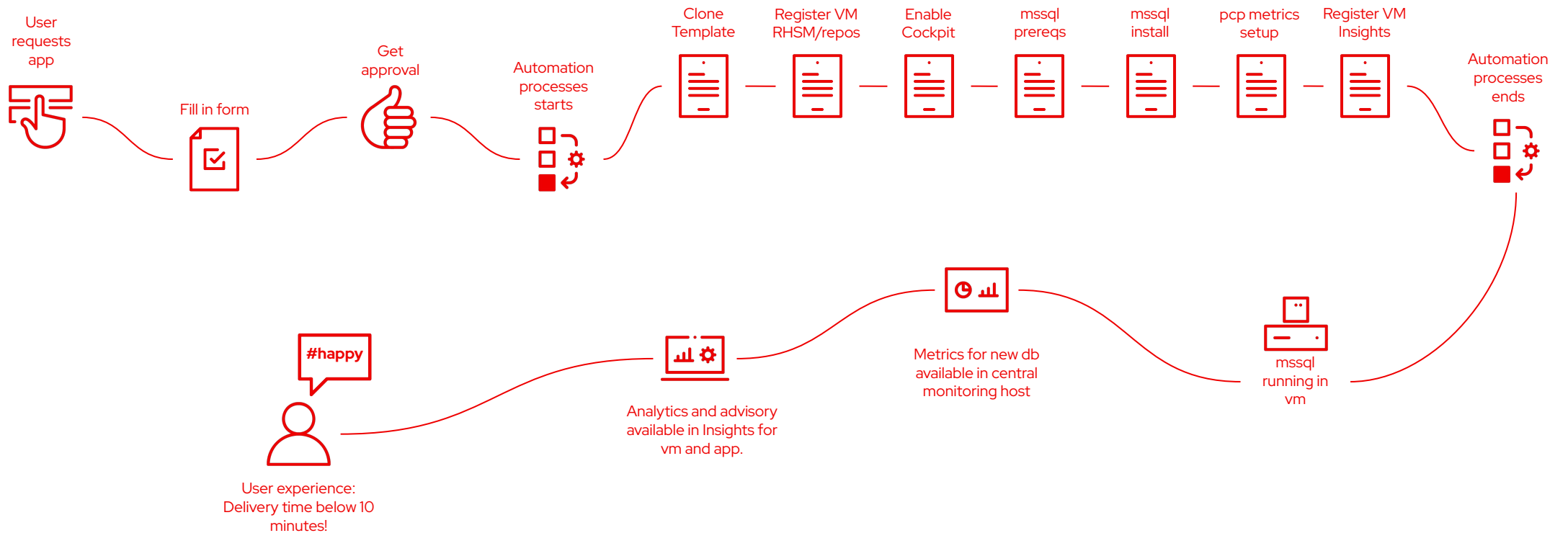
Integrated and orchestrated security ecosystem



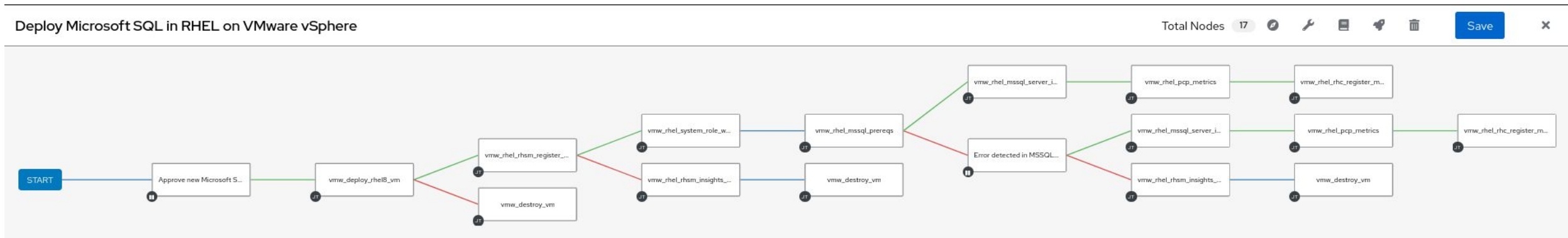
Traffic types

- 1) Security management
- 2) External data
- 3) Corporate network data

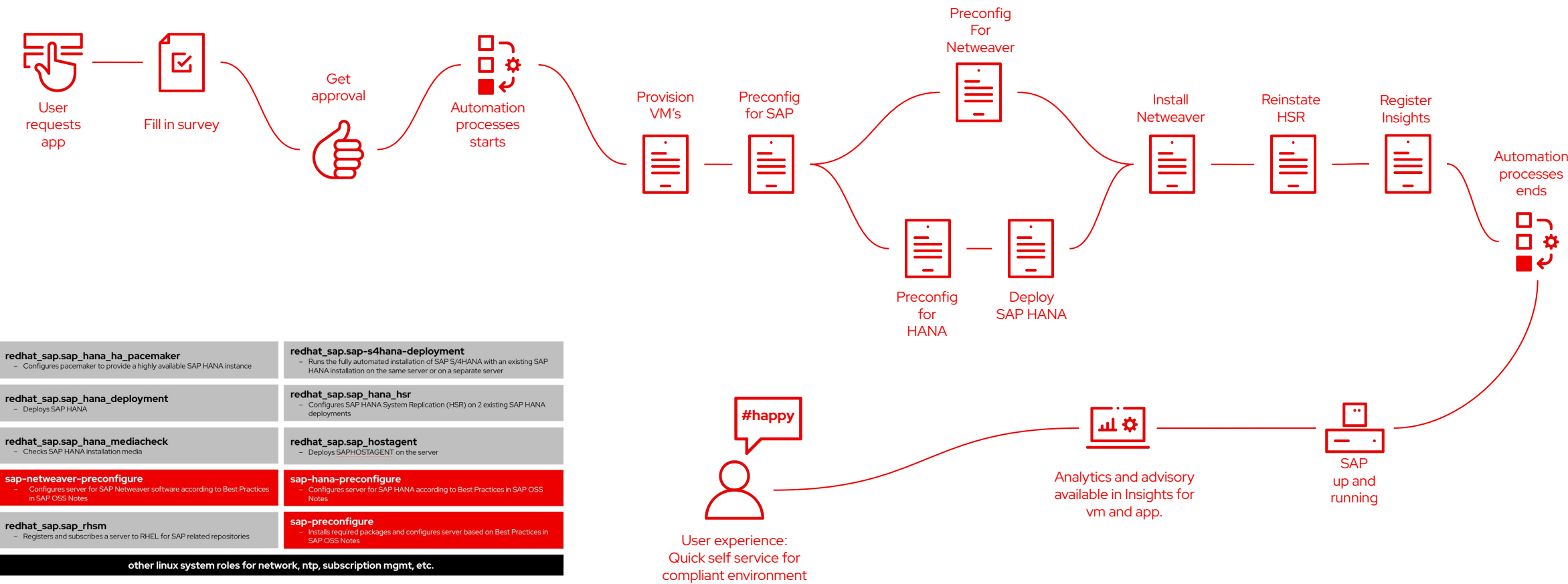
Name: "Deploy Microsoft SQL in RHEL on VMware vSphere"



Visual representation of the same workflow in Ansible Controller:



Push button deploy of SAP HANA with Ansible Automation



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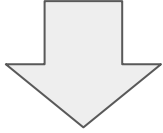


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Ansible Automation Savings Tools



IDC Tool

- Interactive, cloud-based sales tool.
- Identify multiplier effect.
- Highlight time & cost savings.
- Deep dive business discussion

Time Savings Calculator

- Publically available
- Lead generation
- Attract stakeholders

Analytics ROI tool (part of Ansible Platform)

- using Analytics to extend adoption across their organization
- drives consumption and renewal



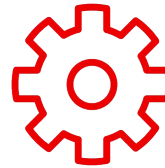
Rapid Adoption Services for ANSIBLE AUTOMATION PLATFORM

Focuses on deployment of one Red Hat Ansible Automation Platform cluster.

The standard scope includes:

- One cluster built to a reference design automating
- One use case
- 1 SKU of 100 subscriptions for Ansible Automation Platform
- 52 GLS Training Units for RHCE and Ansible Automation Platform (Virtual Training)

Duration of Effort: 2 weeks



Prerequisites

- Completion of Discovery Workshop
- Detailed infrastructure requirements are available
- Participation of the customer team members



Scope Outline

- Analysis: the team reviews the customer environment
- Plan: All about topics related to AAP and the customer
- Build: The reference platform is deployed into the customer environment
- Create: Automation content to achieve the use case selected is started
- Report: All the work done is captured and reported back to the team



Outcomes

- A standardized platform capable to address the use case, which can be used to kickstart the automation journey
- A report capturing all the work and recommendations on how to pursue Automation



IDC Business in 3 Steps

Discovery



Discovery

Provide information on your current environment and select which domains you would like to assess.

Pre-Assessment Profile

Persona

Business and IT Priorities

Challenges

Discovery

Automation Strategy

Assessment



Assessment

Explore how the Red Hat Ansible Automation Platform can help you reduce costs and take advantage of the potential benefits.

Selected Domains

Compute

Completed

Storage

Completed

Network Automation

Completed

Cloud Services

Completed

DevOps

Completed

Investment



Investment

Identify the criteria to enable you to quantify the Return on Investment for Red Hat Ansible Automation.

Update

<https://redhatansibleroi.com/>



Business Case Reports

Executive



The [Executive Report](#) is a ten-page executive summary designed to provide a high level but complete analysis of the benefits and ROI of adopting the Red Hat Ansible Automation Platform.

Detailed

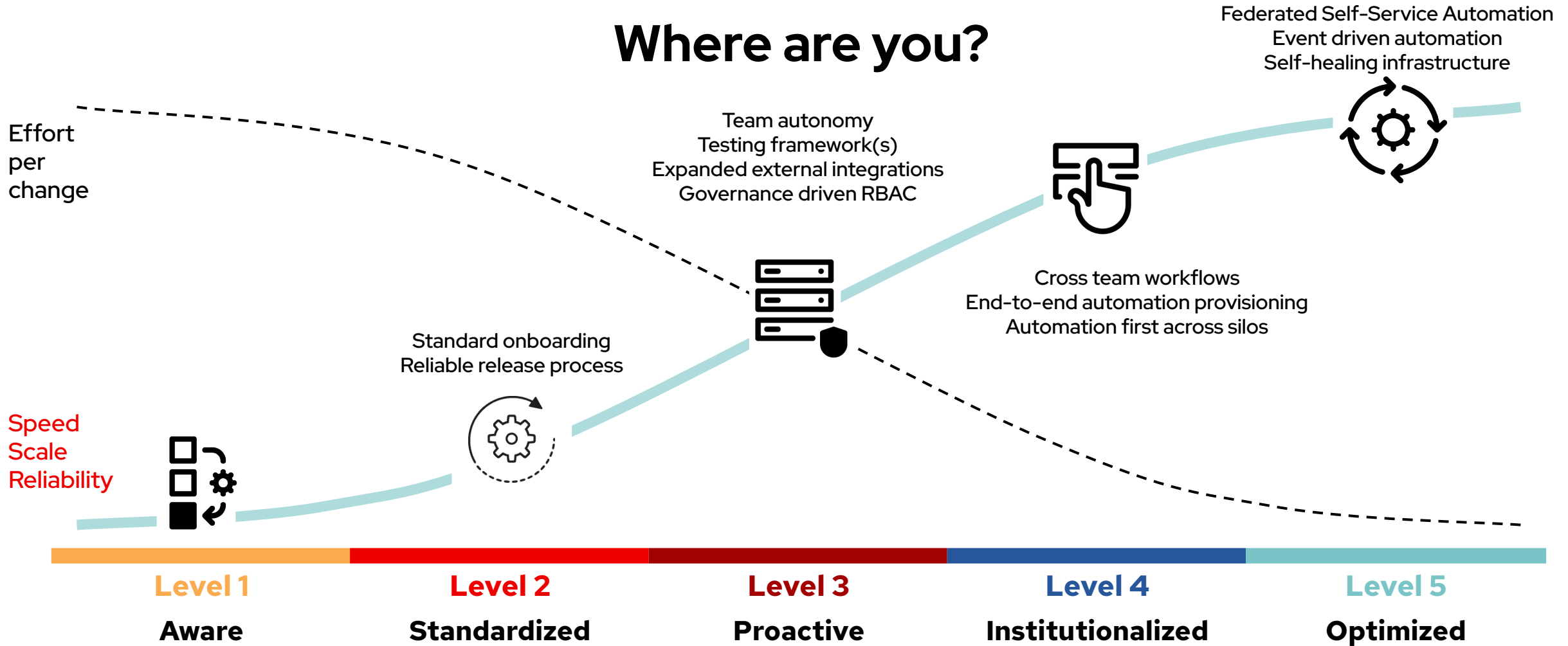


The [Detailed Report](#) is designed to enable the customer to further customize the assessment to match their environment, tailoring the results based on a domain by domain assessment.



Automation Maturity Curve

Where are you?



What have we learnt today

- **Tools are great, but we need a common language**
- **There is a starterpack available!**
- **How to solve security and compliance requirements**
- **Focus on the needs of the organization**
- **It's ALL about the people!**
- **<https://redhatansibleroi.com/>**

Thank You for joining our event!

Reach out to your Red Hat partner for more information!

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