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# Enterprise wide IT Automation

Let's go on an automation journey

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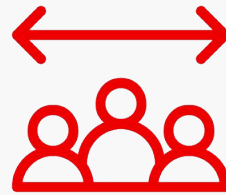
# Achieve goals and focus teams with advanced automation techniques



## Speed

Reduce the number of manual steps, enable orchestration of multiple tools and accelerate cross-tool interaction

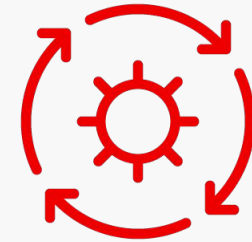
**Become more agile**



## Consistency

Minimize risks with automated workflows, avoid human errors and use auditable and verifiable processes

**Ensure resilience**



## Innovation

Innovate to more advanced levels of automation and free productivity for innovation and higher level projects

**Transform IT**

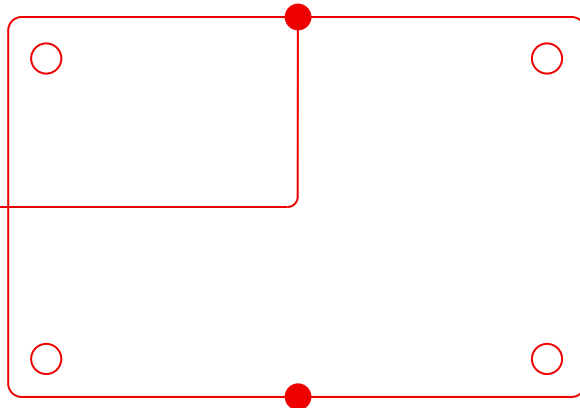
# Build a scalable foundation for innovation

Organizations achieved significant value with the Red Hat Ansible Automation Platform

**668% three-year ROI**

**8 months to payback**

IDC's research demonstrates the strong value that organizations have achieved with the Red Hat Ansible Automation Platform.



**61%** reduction in unplanned downtime



**36%** development team productivity gains



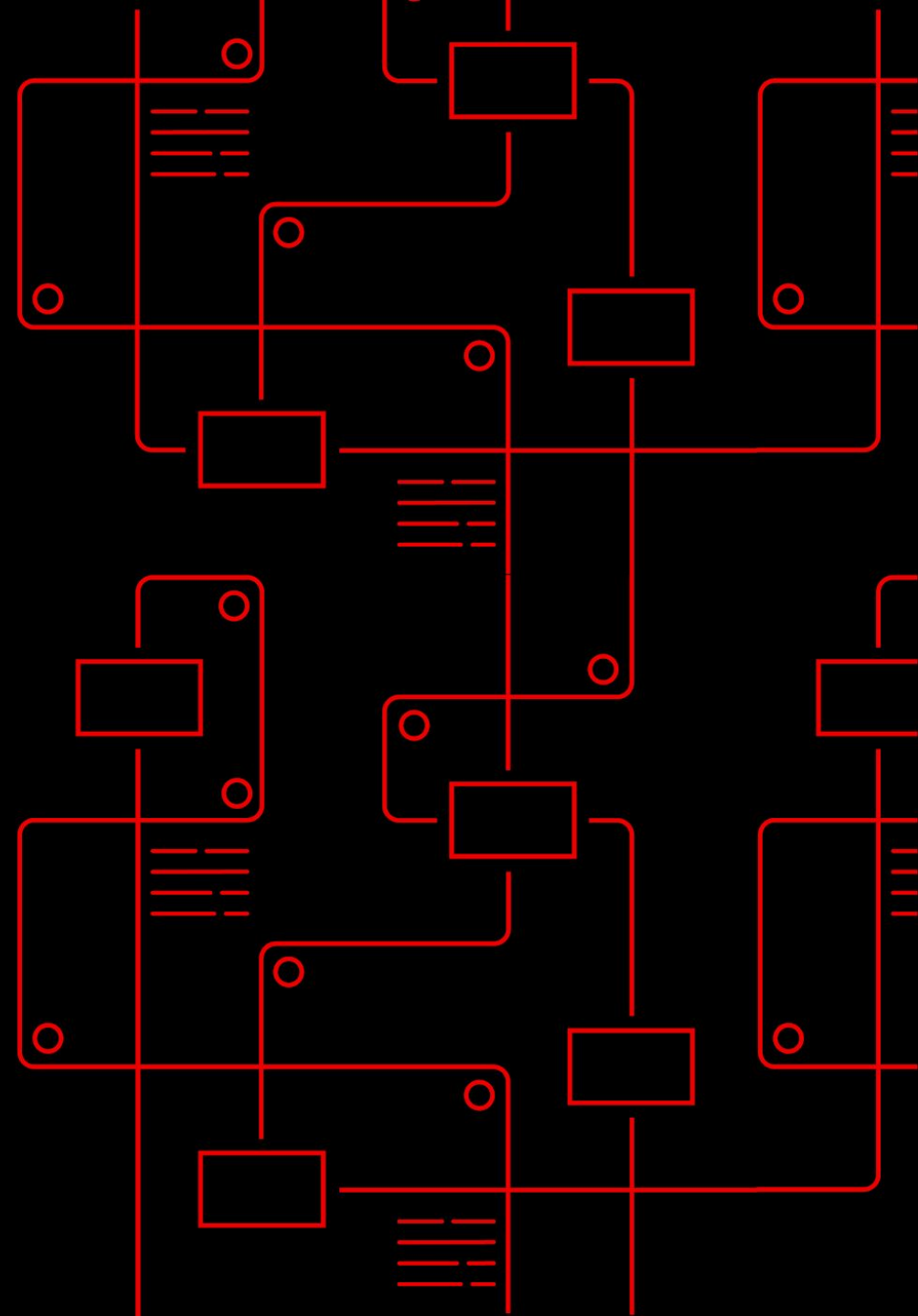
**68%** faster to deploy new compute resources



**38%** more efficient network infrastructure management

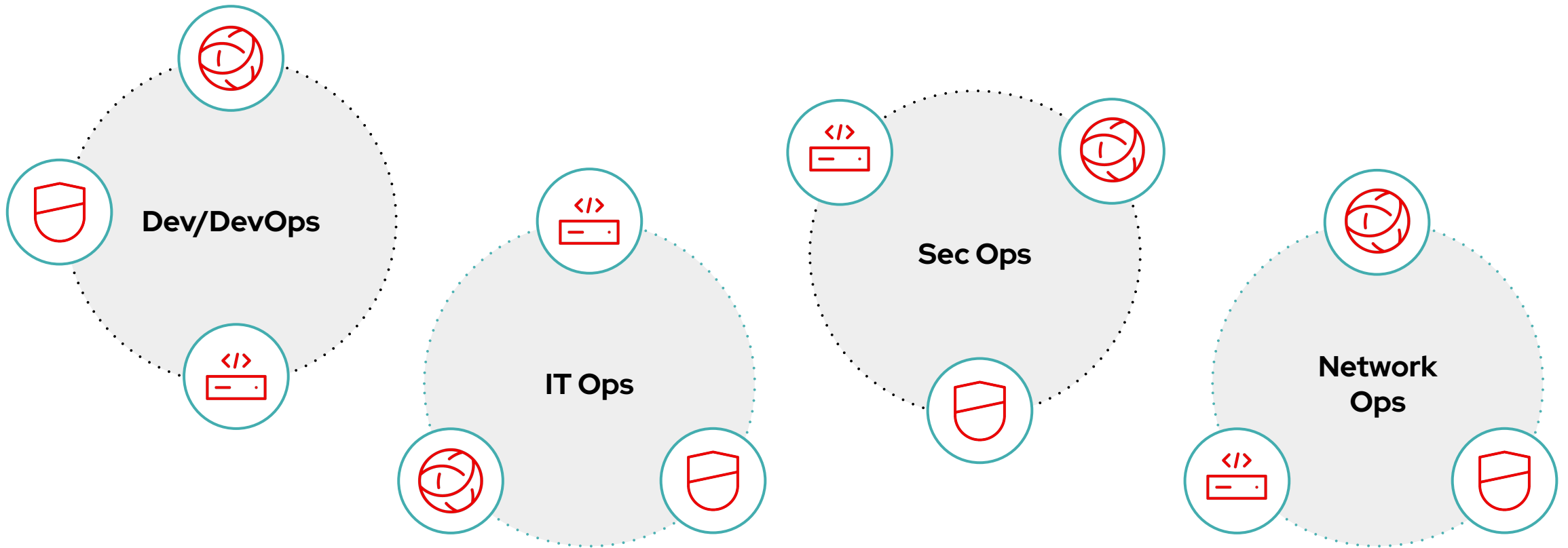
So why isn't  
everyone doing it?

**Anyone can automate...**  
**but an enterprise needs to**  
**coordinate and scale**



# What's holding organisations back?

Too many unintegrated, domain-specific tools, limited collaboration, scale...



A grayscale photograph of a diverse group of people standing in a circle, with their hands stacked on top of each other in the center. The image is dimly lit, with the text overlaid in white. The background shows the arms and hands of several individuals, suggesting a collaborative or team-building activity.

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



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





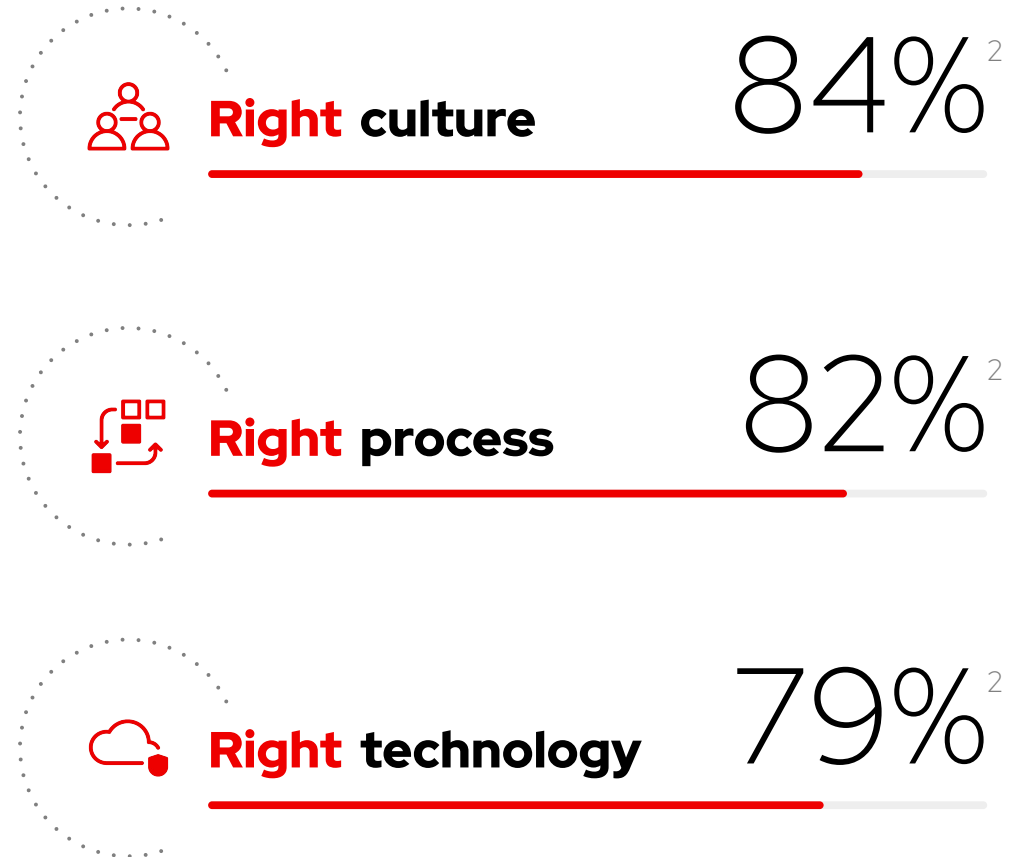
Tactical

Strategic

What path makes the most sense for **your** organization?

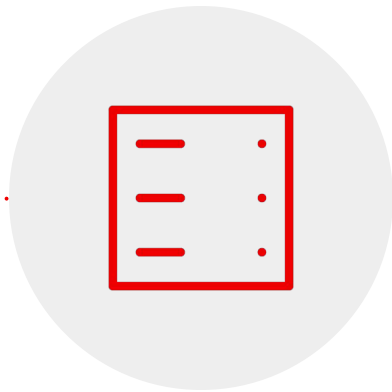
89% of executives surveyed say success comes from addressing all three

Harvard Business Review  
**components.** →  
findings validate their necessity

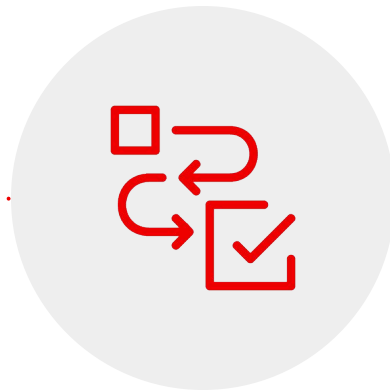


# Enabling Enterprise IT Automation

The 3 Ps to succeed in enterprise scale automation strategy



**Platform**



**Process**



**People**

**Open transformation**



“We are becoming an organization where a culture of Extreme Automation thrives, ultimately enabling us to continue delivering amazing employee and customer experiences.”

Joe Mills  
Director,  
Discover Financial Services

# Discover’s culture of extreme automation is saving 800K annual hours

## Challenge

Discover aimed for manual processes across the organization to be understood, optimized, automated, or eliminated, as part of a wider process to extend automation to every possible process within the business.

## Solution

Discover developed Extreme Automation, a dedicated program spanning DevOps, process automation, and an automation community of practice.

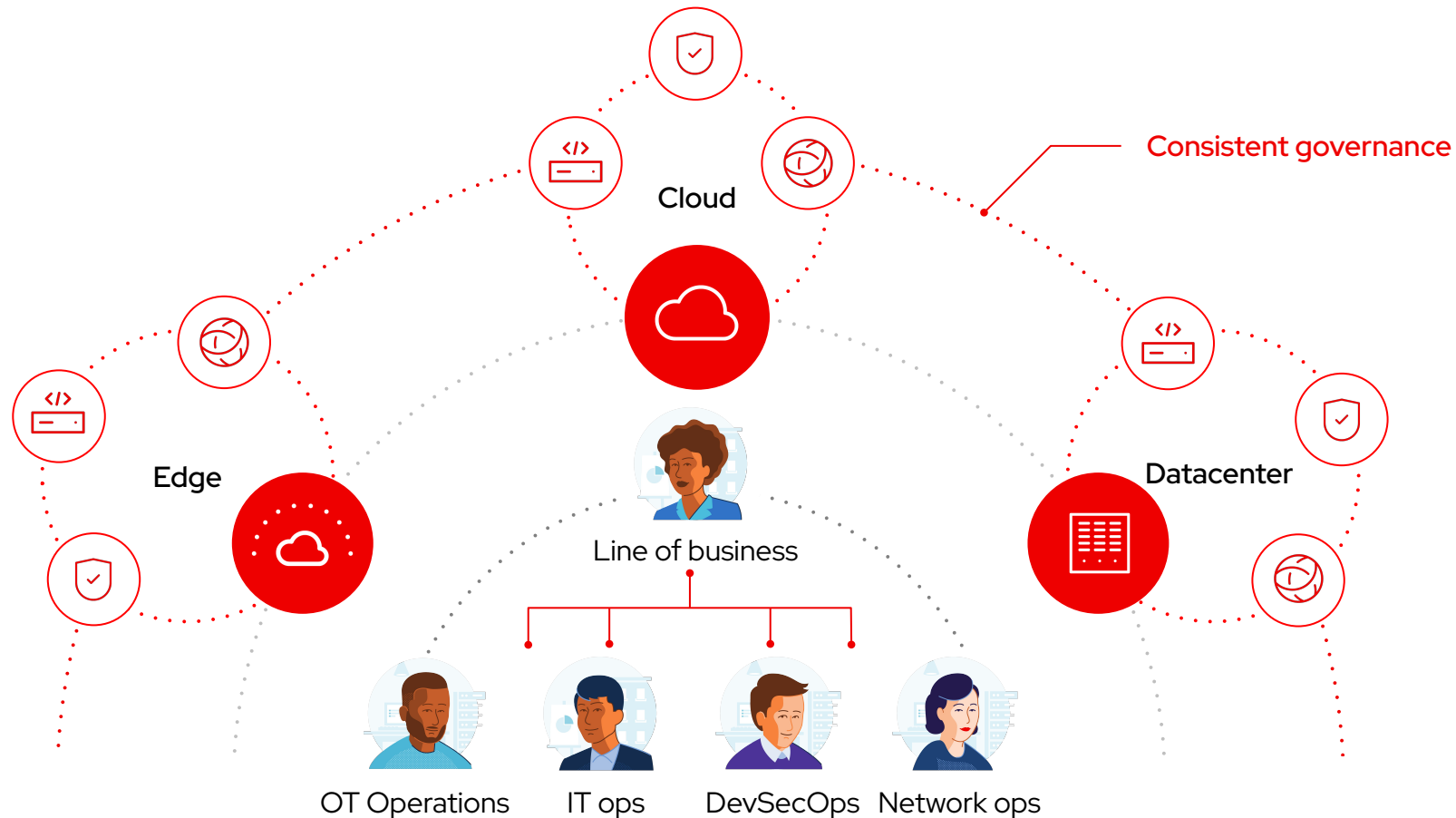
## Results

- Developed repeatable solutions that accelerate new deployments in other areas of the business and enable staff to focus on higher-value work
- Used insightful output metrics to prioritize wider efforts across the company
- Freed up over 800,000 annualized hours of manual work
- Increased the number of identified business use cases that are suitable for automation by 400%

# Platform

# Build bridges across the organisation

Different teams, differing skill sets, single platform

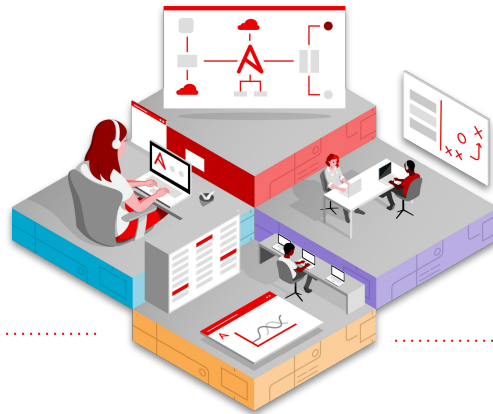


# Red Hat Ansible Automation Platform

A comprehensive IT automation solution

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

Simple | Human readable | YAML



Ansible Automation Platform is engineered to help IT teams **create, manage, and scale** their automation.



## Applications

- ▶ DevOps
- ▶ CI/CD
- ▶ GitOps



## Network

- ▶ Network visibility
- ▶ Configuration management
- ▶ Network operations



## Cloud

- ▶ Orchestration
- ▶ Operationalization
- ▶ Governance



## Security

- ▶ Investigation enrichment
- ▶ Threat hunting
- ▶ Incident response



## Infrastructure

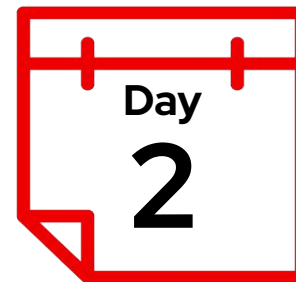
- ▶ Deployment
- ▶ Provisioning
- ▶ Management



## Edge

- ▶ Infrastructure, network and security extension
- ▶ Industrial/IoT device automation
- ▶ Manufacturing/Retail remote site management

## Where we see the market going



### Infrastructure as Code

- ▶ *"Build, Provision, Configure, Deploy"* - with a more focused, automation-first mindset.
- ▶ Extend and leverage "legacy knowledge"
- ▶ Expand into additional IT domains and footprints (network, edge, cloud, etc)

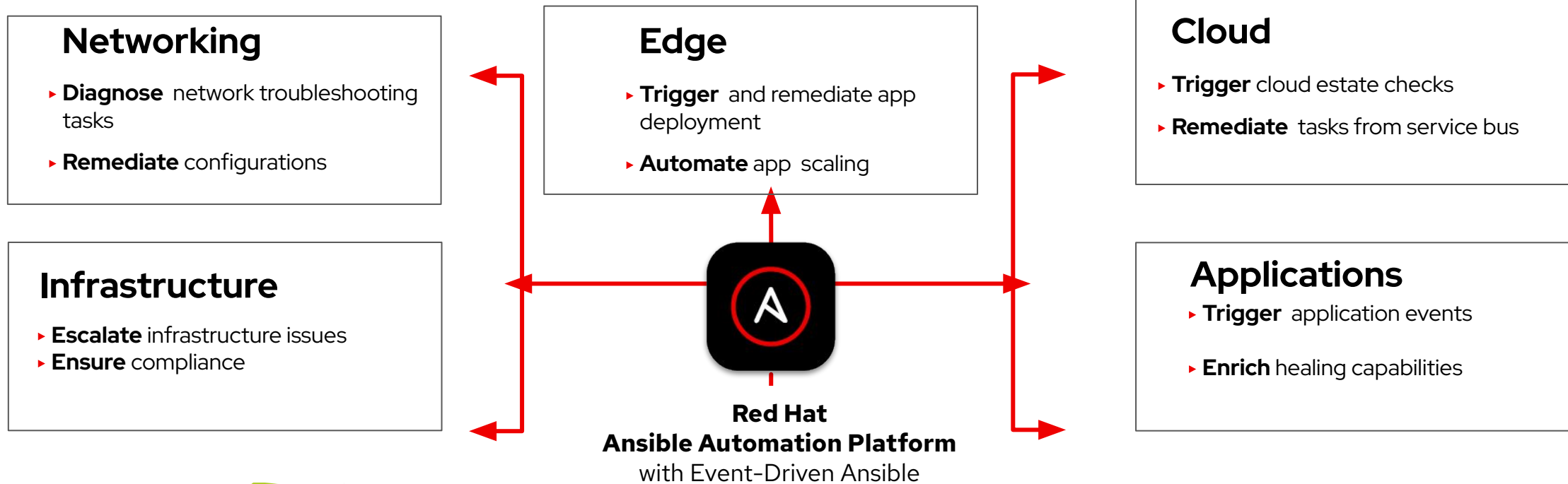
### Operations as Code

- ▶ Standardize operations processes IT-wide
- ▶ Observability is easy, remediation is hard
- ▶ A skills vacuum is coming soon

**Growth in end-to-end automation across the entire lifecycle**



# Event-Driven Ansible is **use case-friendly**.



IBM Turbonomic



FORTINET





“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.

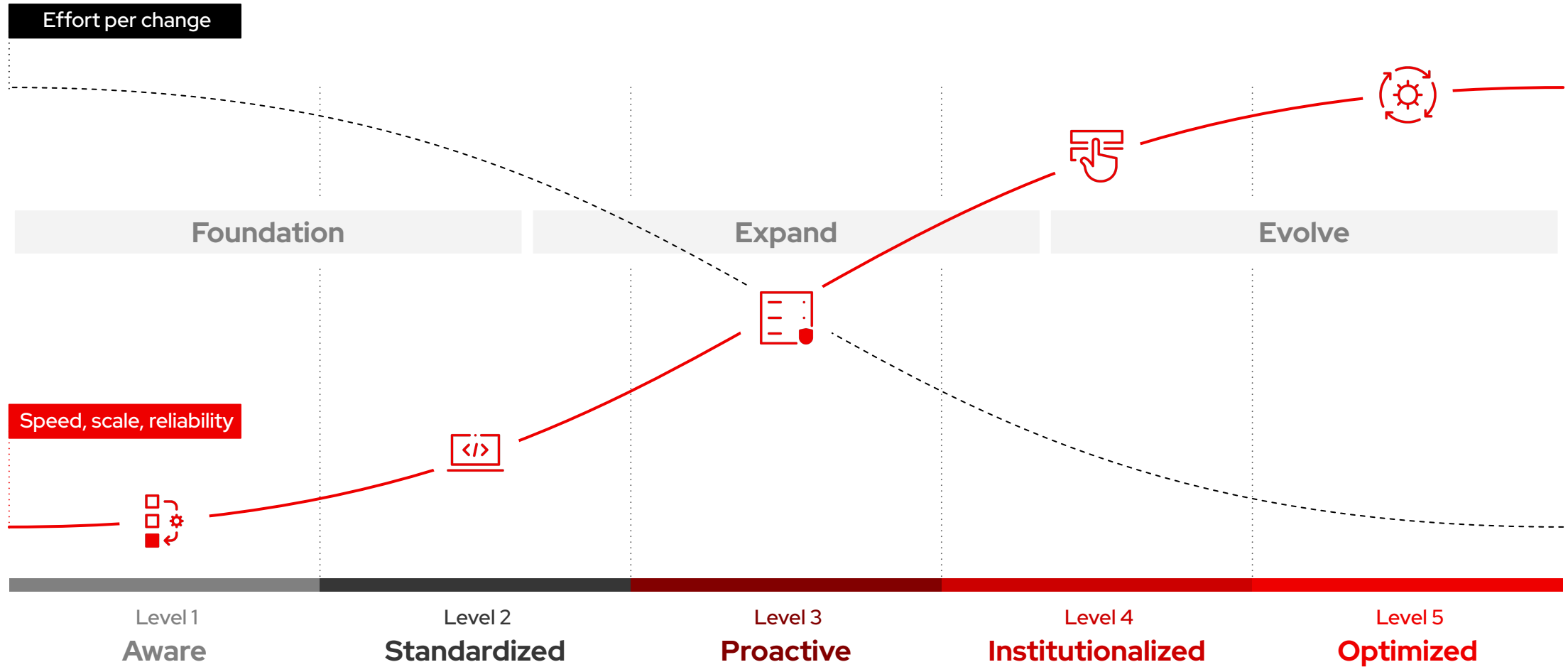
Combining observability with self-healing has improved resolution times and reduced service downtime. **We saw a 50% reduction in service tickets.”**



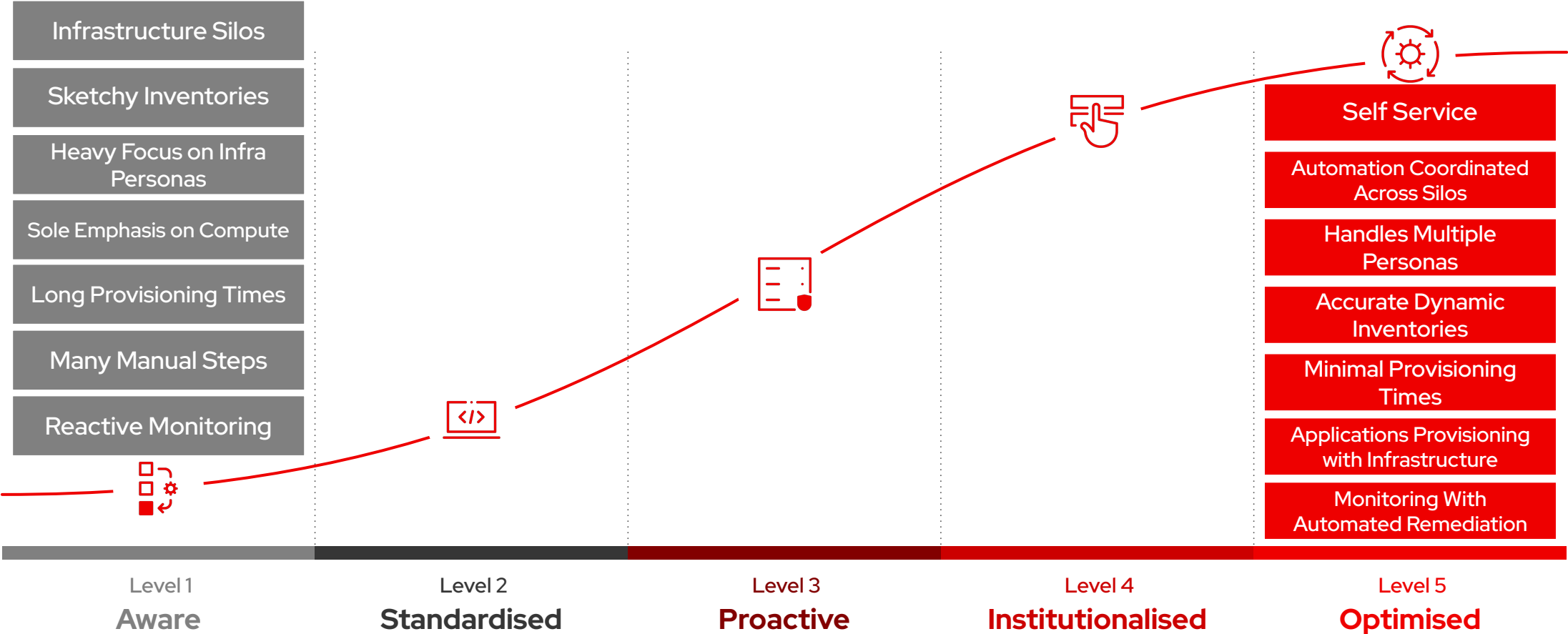
Marta Ceciliano, Head of Middleware, Automation, and Observability, Mutua Madrileña

# It's a journey

# Assessing organizational maturity



# Enterprise automation maturity



# Where next?

## Some ideas / summary / maybe even next steps

- The benefits are big but Enterprise Automation is a journey
- Start small, think big
- Get management involved (you need a champion, not a sponsor)
  - An automation strategy
- Platform
- Adoption, adoption, adoption, adoption .....
  
- There is help
- Engage today, discuss, share ideas & challenges

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