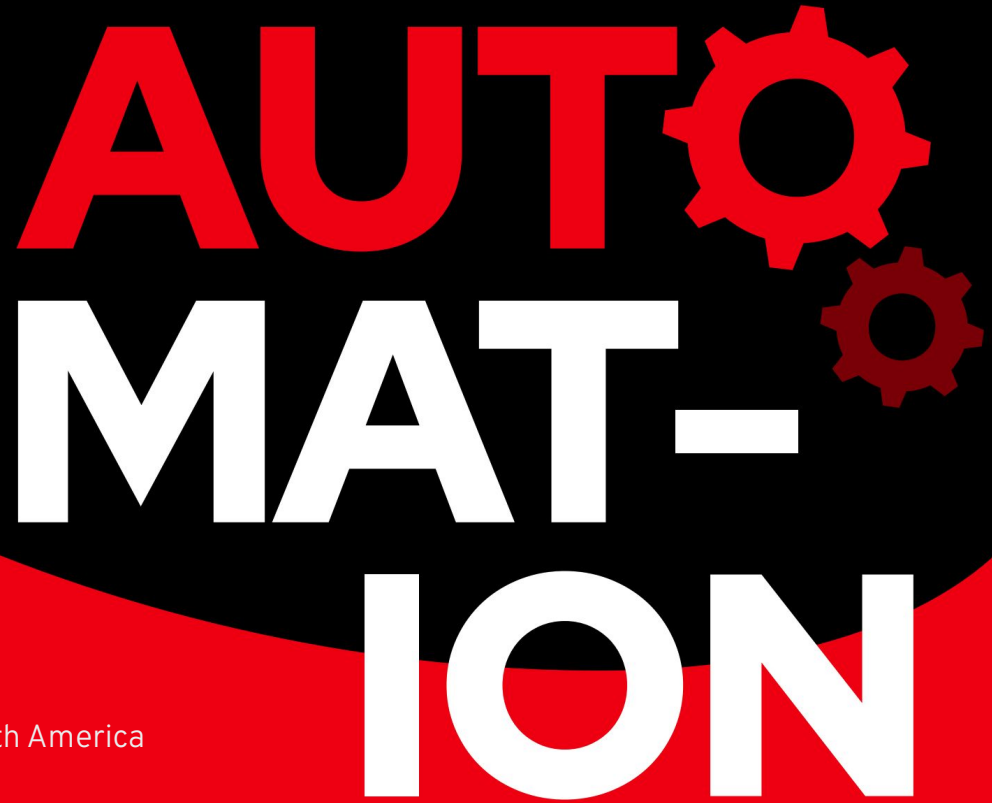# Automate your Enterprise:

Why and how to be a champion for automation in your business

Ash Davis

Principal Practice Lead, Enterprise Automation, North America

Who am I?

Ash Davis

5+ years at Red Hat

Pre-sales practice lead for Enterprise Automation

Engineer and automator

14+ years industry experience

Crazy cat person

Red Hat

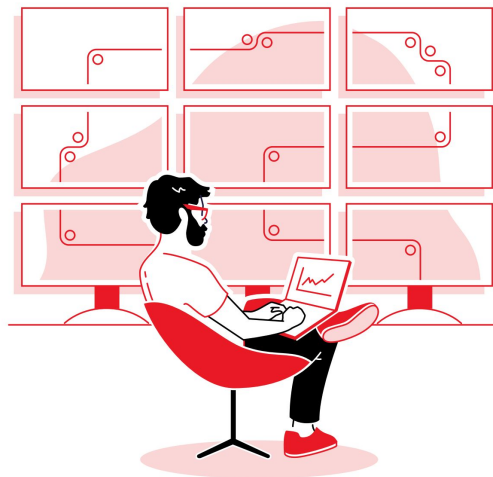# 2021: Automation Becomes A Business Imperative

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Automation is a way of life, not (just) technology.

Organizations across all industries face daily-mounting pressure to deliver services more quickly, effectively, securely, and affordably.

*IT plays a crucial role in meeting these demands, **but it can serve as a blocker if it can't keep up**.*

The solution often lies along one of the two paths: **hire** or **automate.**

Scaling in **people** doesn't work forever**.**

Point 1: Effective Automation does not happen on accident.

Automating an enterprise requires three primary areas of work **in this order**.

- **People:** Empower, equip, and incentivize people for a new way of doing things

- **Processes:** Examine, create or improve, then document effective processes

- **Technology:** Automate business functions and orchestrate technical workflows

By 2025, more than 90% of enterprises will have an **Automation Architect** (up from less than 20% in 2020).

Source: Gartner, Top 10 Trends Impacting Infrastructure and Operations for 2020, Ross Winser, David Cappuccio, April 14, 2020

Point 2: Automation should not happen in a vacuum

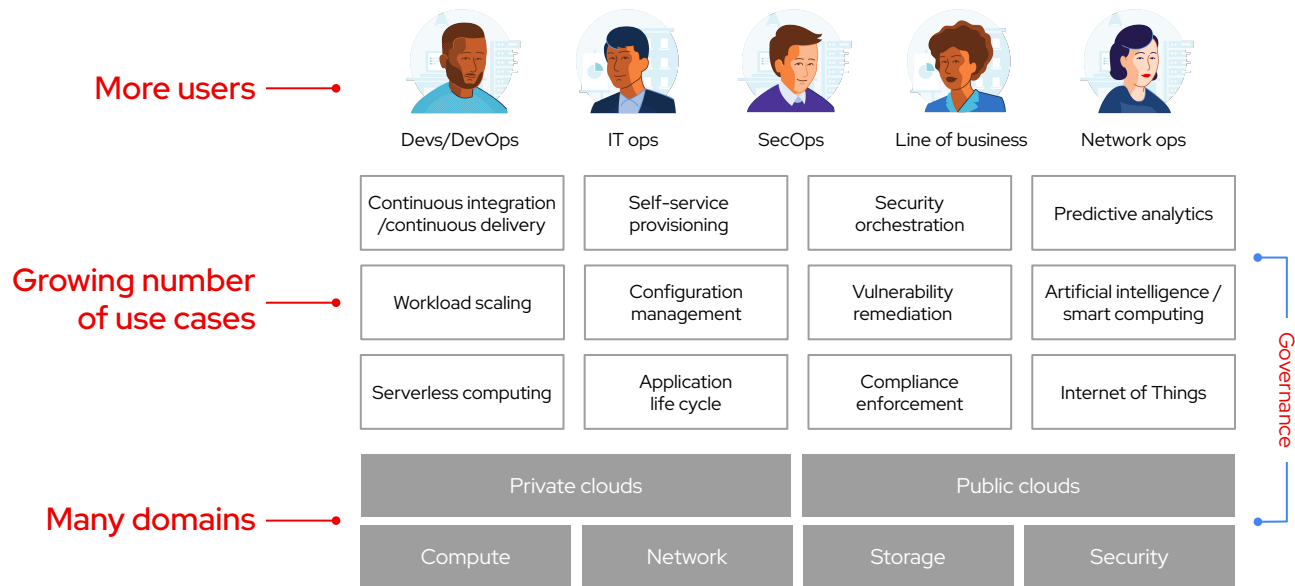Businesses do not use technology for fun – they apply technology to meet business goals.

Automation is the process of connecting people, processes, and technologies together into seamless, autonomous workflows.

It is not any one use case, but rather the sum of all use cases and business outcomes.

Automation is a whole-business strategy.

Many organizations share the same challenge

Too many unintegrated, domain-specific tools, and silos of automation

More users ———

Devs/DevOps	IT ops	SecOps	Line of business	Network ops

Growing number of use cases ———

Continuous integration /continuous delivery	Self–service provisioning	Security orchestration	Predictive analytics
Workload scaling	Configuration management	Vulnerability remediation	Artificial intelligence / smart computing
Serverless computing	Application life cycle	Compliance enforcement	Internet of Things

Many domains ———

Private clouds		Public clouds	
Compute	Network	Storage	Security

Governance

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Point 3: You absolutely can automate your (whole) organization.

Automation is a necessary technical evolution facing all areas of technology and business, and it **absolutely can be done across your organization** – even if there are current barriers.

Let's talk about what you can do to achieve a well-automated future - for the benefit of your organization and your own career.

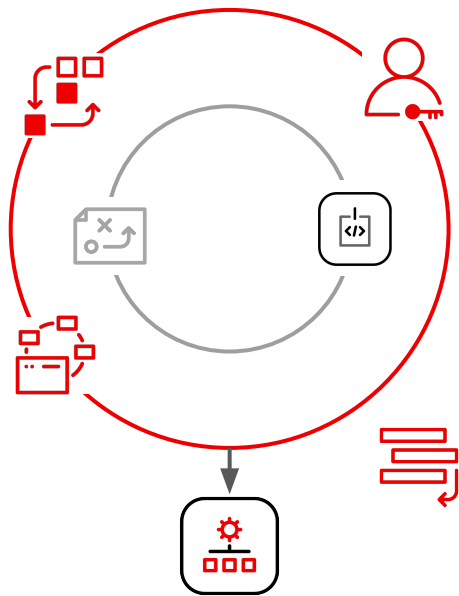# Best practices for a successful <mark>automation transformation</mark>

Be a champion rather than a sponsor

- Be a champion of the technology
- Have a vision for how it benefits your organization and your colleagues
- Become involved in the process
- Socialize your confidence loudly and frequently
- Empower your colleagues to embrace automation

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Best practices for a successful automation transformation
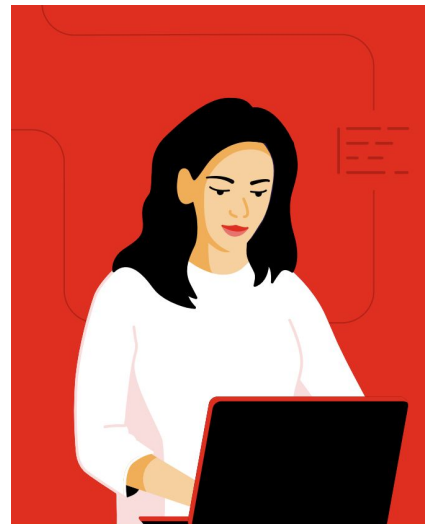
Align to a business objective

- ❏ Position automation as a way to achieve a business objective, and **define what success looks like.**

- ❏ Once you've determined this, **focus on outcomes, not outputs,** and socialize and champion those outcomes.

- ❏ Speak in **your business's language**, not just technology and use cases. If your business sells ice cream, talk about ice cream not servers!

Best practices for a successful <mark>automation transformation</mark>

Find a middle ground

While multiple levels within your organization might agree that automation is important, they might not agree on automation priorities.

Demonstrate the value of automation by showing how you can **automate across multiple teams and levels of infrastructure.**
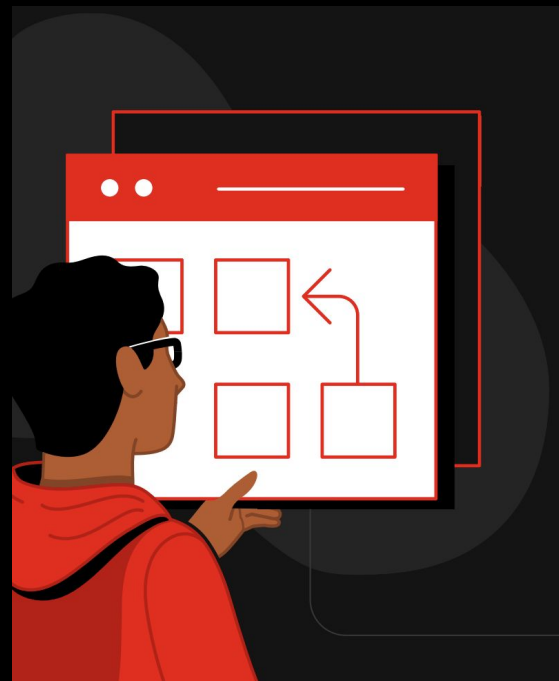
But what about the technology?

The technology you choose *does matter*.

The partner you choose also matters.

Selecting the right **enabling platform** from **the right partner** is imperative to the success of your automation goals.

What to look for in an IT automation solution

- ❏ Choose a platform, not a tool

- ❏ Find an automation platform that supports your workload portability needs

- ❏ Select an automation solution that is easy to adopt

- ❏ Embrace an automation solution that doesn't lock you in

- ❏ Ensure your automation platform includes management tools

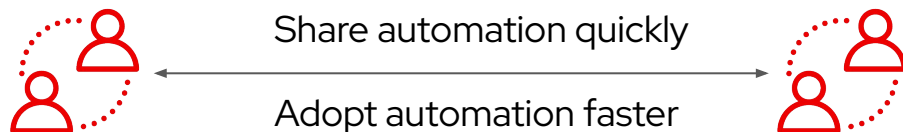- ❏ Select a partner who will support your goals

How can Red Hat help?

Red Hat has over 25 years of experience helping our customers adopt new ways of using technology to achieve their business goals.

Red Hat Ansible Automation Platform can build the technical foundation for your whole-company automation needs.

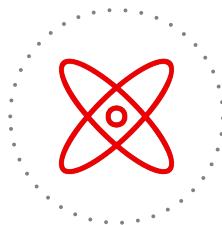Red Hat Consulting and Support can make sure you get there successfully.

Why a platform?

Share automation quickly

Adopt automation faster

❏ **Operate and consume automation at scale**
Enterprise support for automation, easy path to production on premises and in the cloud

❏ **Flexible, accessible automation**
Automation that can effectively be shared between teams

❏ **Develop and deliver automation quickly**
Engineers can focus on what they need to automate,
not building and maintaining a platform to run on.

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Ansible Automation Platform

Combining the universal automation language with cloud services and certified content for automating, deploying, and operating applications, infrastructure and services securely at enterprise scale.

Ansible automation

Providing scalable, secure implementation for describing, building, and managing the deployment of enterprise IT applications across diverse enterprise architectures.

Cloud services

Cloud services that facilitate team collaboration and provide operational analytics for automating heterogeneous, hybrid environments.

Certified content

Extends native platform capabilities with certified, supported content designed to expand the automation domain and accelerate adoption for enterprise customers.

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The Art of the Possible

The Swiss Federal Railway

- **Reduced device configuration times by more than 90%**
- Enhanced security for critical national transportation infrastructure
- Established comprehensive device access for easier service updates and innovations

Ensono

- Saved more than 100 work hours by automating repetitive manual tasks
- Better able to allocate support staff and support enhancement of service management platform
- **Improved Windows and Linux team collaboration through standardization**

Global Top 10 Oil and Gas

- Gained financial benefits and agility by selling off data centers and migrating to public cloud
- Completely automated cloud application lifecycle management needs
- **Modular architecture enabling significant re-use across the company**

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Read: 6 Ways to Promote Organization-wide IT Automation (on our website)

CHECKLIST

6 ways to promote organization-wide IT automation

Last Updated: April 21, 2021

Download

https://www.redhat.com/en/resources/6-ways-to-IT-automation-adoption-checklist

Take the Ready-to-Accelerate Assessment to evaluate your organizational maturity. red.ht/RTA-Ansible

Your Ready-to-Accelerate Assessment begins here

Select each area that applies to your business goals.
The estimated time to complete each section is 8-10 minutes.

Modernizing platforms

Ensure your organization is poised to provide the platform flexibility and scalability to manage demand.

Modernizing applications

Understand how you can modernize your development and address the best choices for future deployment.

Automating IT

Determine the level of effort required to expand and integrate automation in your organization.

Transformation

Learn about safeguarding your organization's longevity through continuous innovation.

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Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.

linkedin.com/company/red-hat

youtube.com/user/RedHatVideos

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twitter.com/RedHat

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