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Ansible Automation
Platform

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Configuration as Code

Streamlining Automation with Version-Controlled Configuration

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Evolving the focus and impact of automation

Accelerate	Orchestrate	Innovate
Automate for speed ● Automation modernization ● Focus on tasks ● Team-centric ● Repeatable, model-based	**Engineer for scale** ● Enterprise automation ● Focus on workflows ● Multi-team ● Standardization and governance ● Deployment strategies	**Design for agility** ● Automation-first culture ● Business impact focus ● Broad collaboration ● Reinvention of workflows
Efficiency	**Reliability**	**Competitive edge**

What is Configuration Management?

Is a process for maintaining a desired state of IT systems and components.

Expectations:

- Consistency and security
- Avoid configuration draft
- Prevent undocumented changes
- Repeatability

Why it matters?

- Too many systems, environments, networks, storage, servers, and devices.
- Do it right and only once!
- Security incidents due to misconfigurations
- High availability and disaster recovery plans

What is Configuration as Code (CaC)?

Is managing system configuration through machine-readable files.

Why? Because it enables...

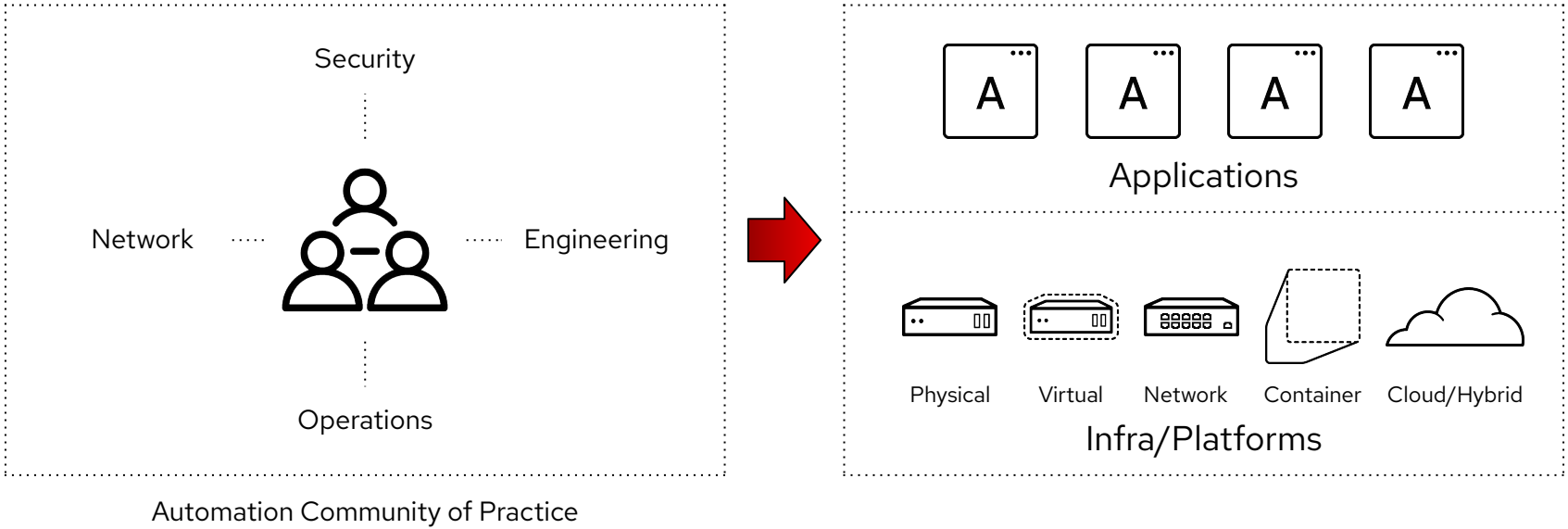
- Consistency and security
- Avoid configuration draft
- Prevent undocumented changes
- Repeatability

Why it matters?

- Repeatable deployments
- Collaboration via Git
- Governance and auditability

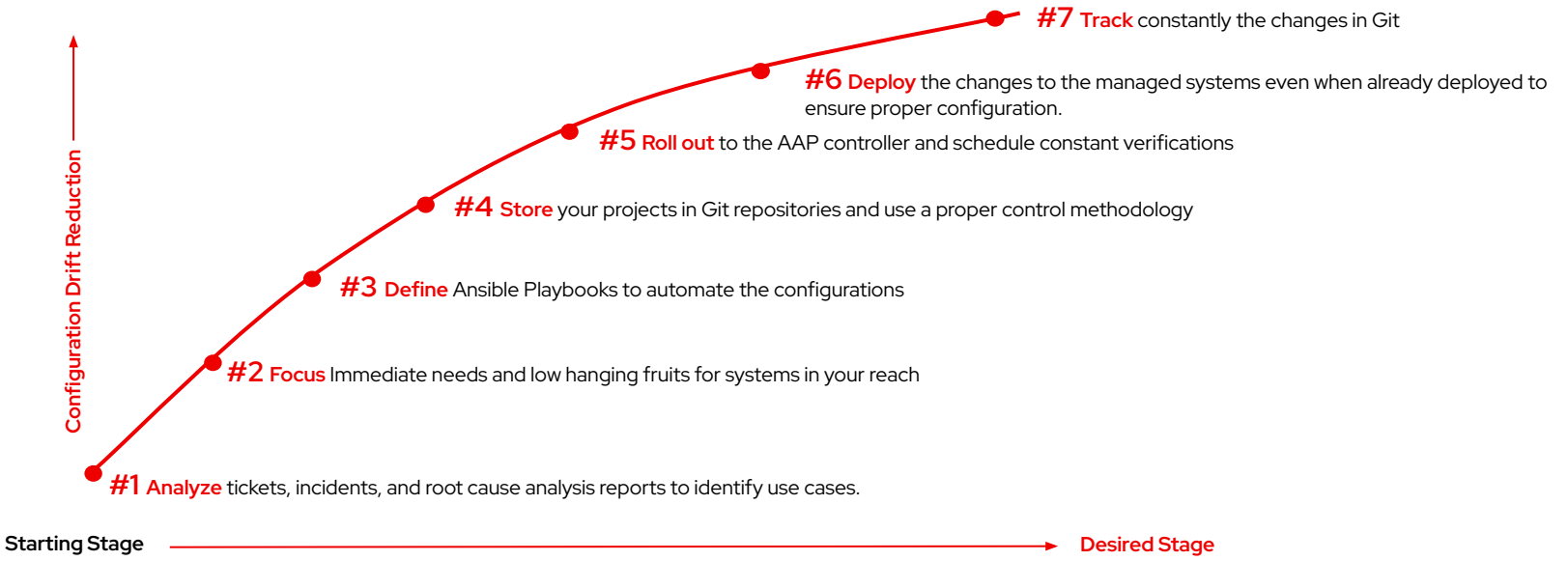
Unify your automation efforts into a single strategy

Reduce the cost and complexity of engineering and operations



Everyone uses and shares the same automation strategy and best practices

CaC Lifecycle in AAP



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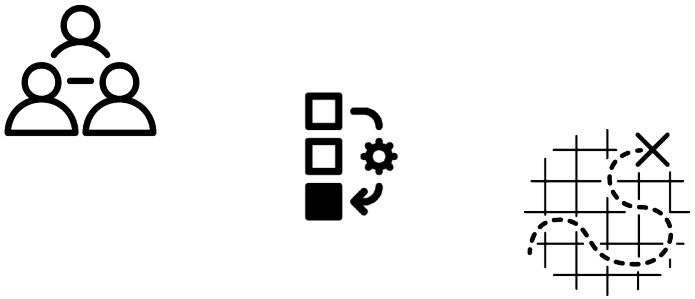
Business Hurdles of Configuration Management

- GOVERNANCE
- SECURITY
- PREDICTABILITY
- MODERNIZATION
- SUPPORTABILITY
- SOURCE OF TRUTH
- SCALABILITY
- RESILIENCY



IT organizations typically spend 64% of their budget on running their current IT environment, leaving less budget for growth and innovation.

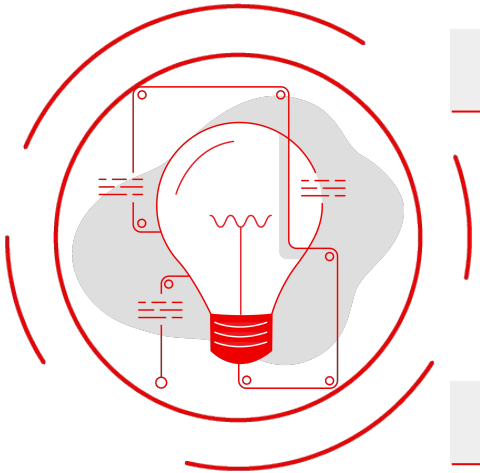
Enhancing innovation, with business as usual

Advantages of modern governance

Open ecosystem

Self Learning

Audit



Risk Management

Operations

Compliance

Security

Agile

Faster Adoption

Market change readiness

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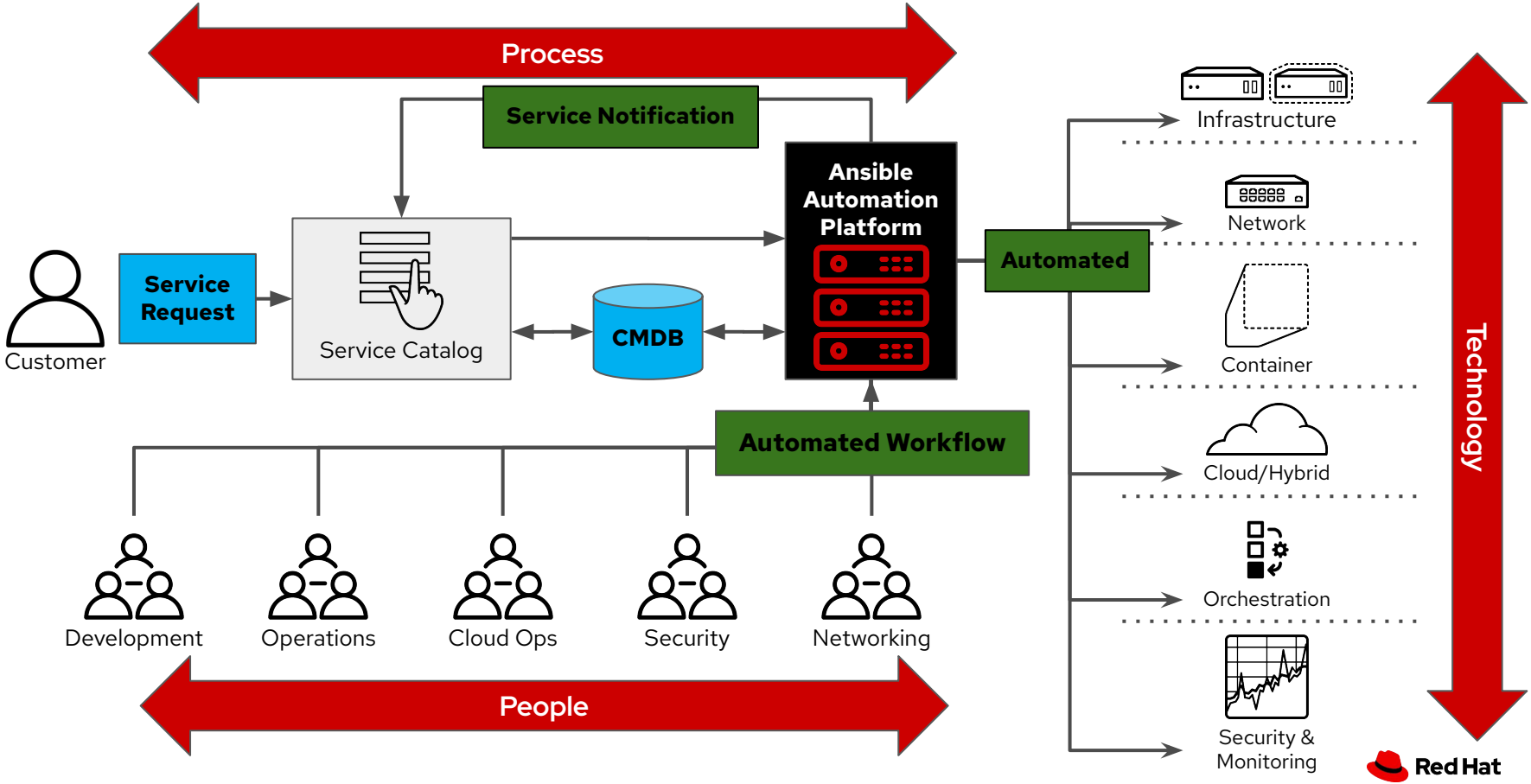
Cross-Organization Automation Governance



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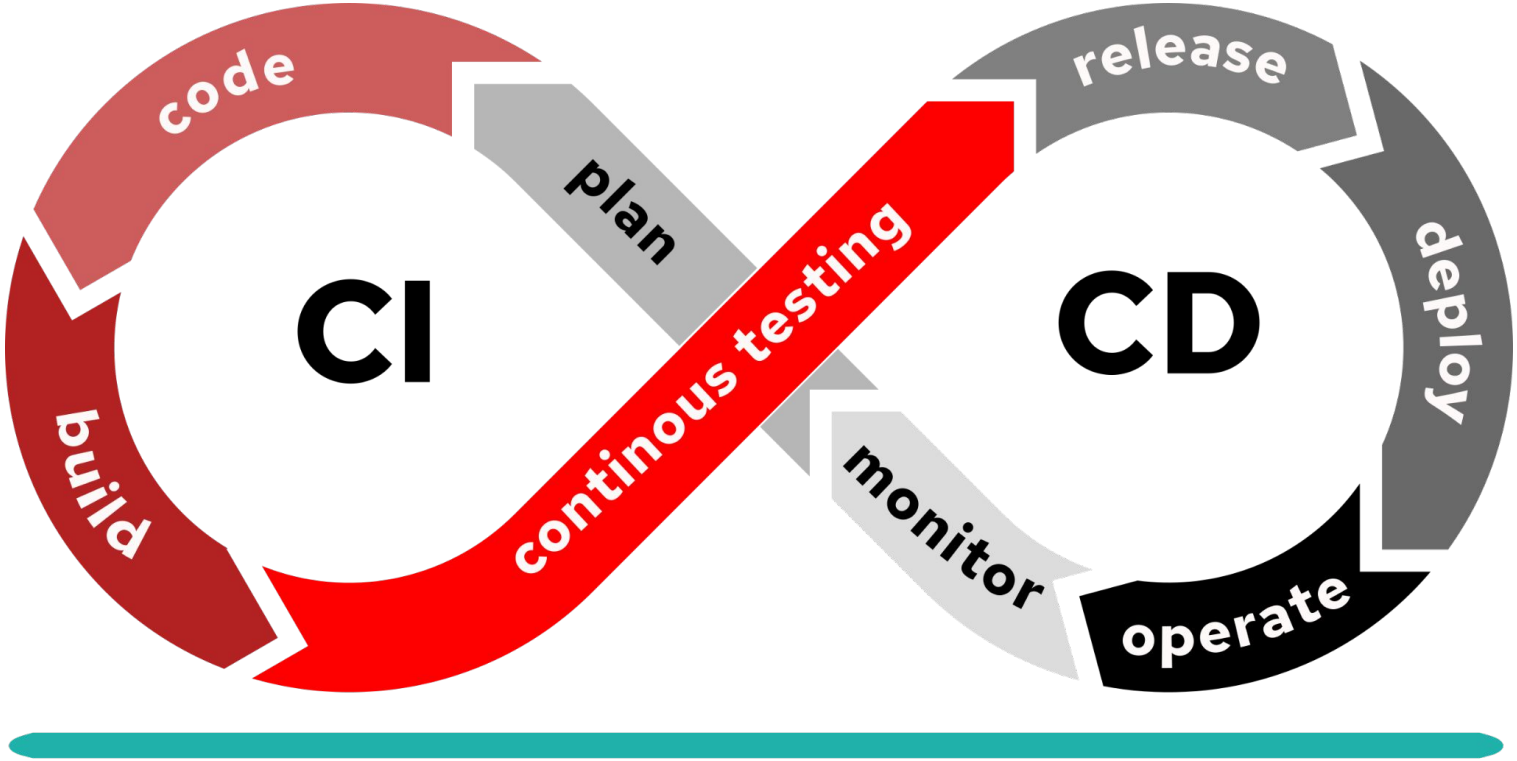
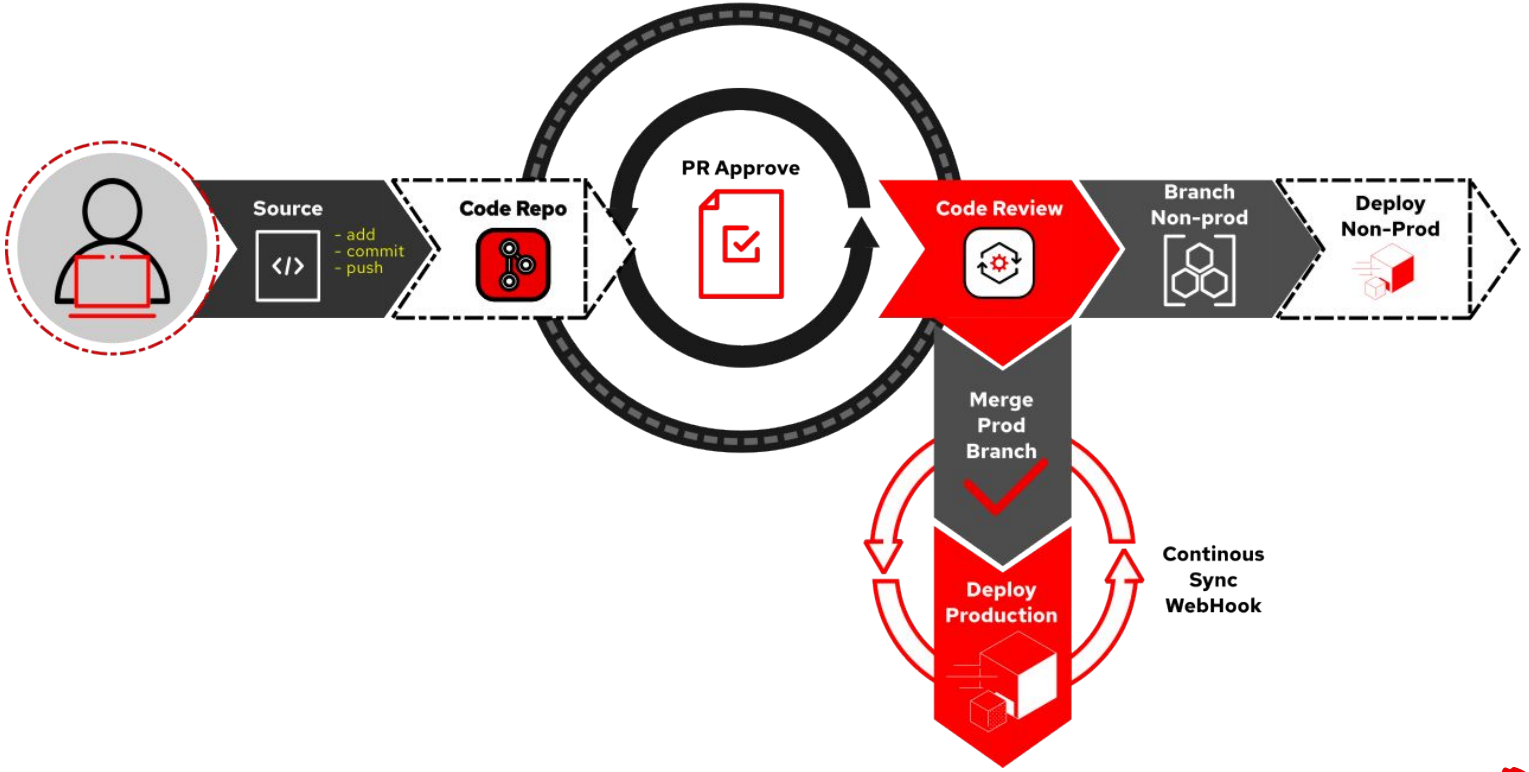
Continuous Integration and Delivery CI/CD



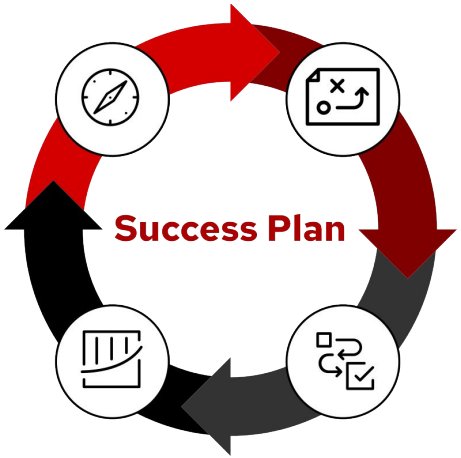
GitOps LifeCycle



Recommended Practices

Is managing system configuration through machine-readable files.

- Store configurations in Git from the start
- Use a consistent and logical directory structure
- Use templates to enhance readability and maintainability
- Implement Git workflows (branches, PRs)
- Make your playbook your documentation
- Test changes in a non-production environment
- Use CI/CD pipelines for deployment



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