

AHEAD

2023

AHEAD & RedHat Enterprise Automation

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Agenda

- Why AHEAD
- AHEADs approach to Enterprise Automation
- Use Cases
 - Network Automation – Firewall Change
 - Observability as Code - Emergency Change

Accelerating Impact in Every Client We Serve

\$3.0B

REVENUE

1,600

EMPLOYEES

1,100

ENGINEERS

900

CLIENTS



END-TO-END ACCOUNTABILITY

One delivery model serving
strategy thru operations



```
31 def home():  
32     check_db()  
33     all_books = db.session.query(Book).all()  
34     return render_template("index.html", books=all_books)  
35  
36 @app.route("/edit", methods=['GET', 'POST'])  
37 def edit():  
38  
39     if request.method == 'POST':  
40         book_id = request.form.get('book_id')  
41         book_to_update = book_query.get(book_id)  
42         book_to_update.title = request.form.get('title')  
43         db.session.commit()  
44         return redirect(url_for('home'))
```

INTEGRATED SOLUTIONS & IP

Cross-domain approach to
solve complex problems



360-DEGREE APPROACH

Technical, operational &
financial perspectives

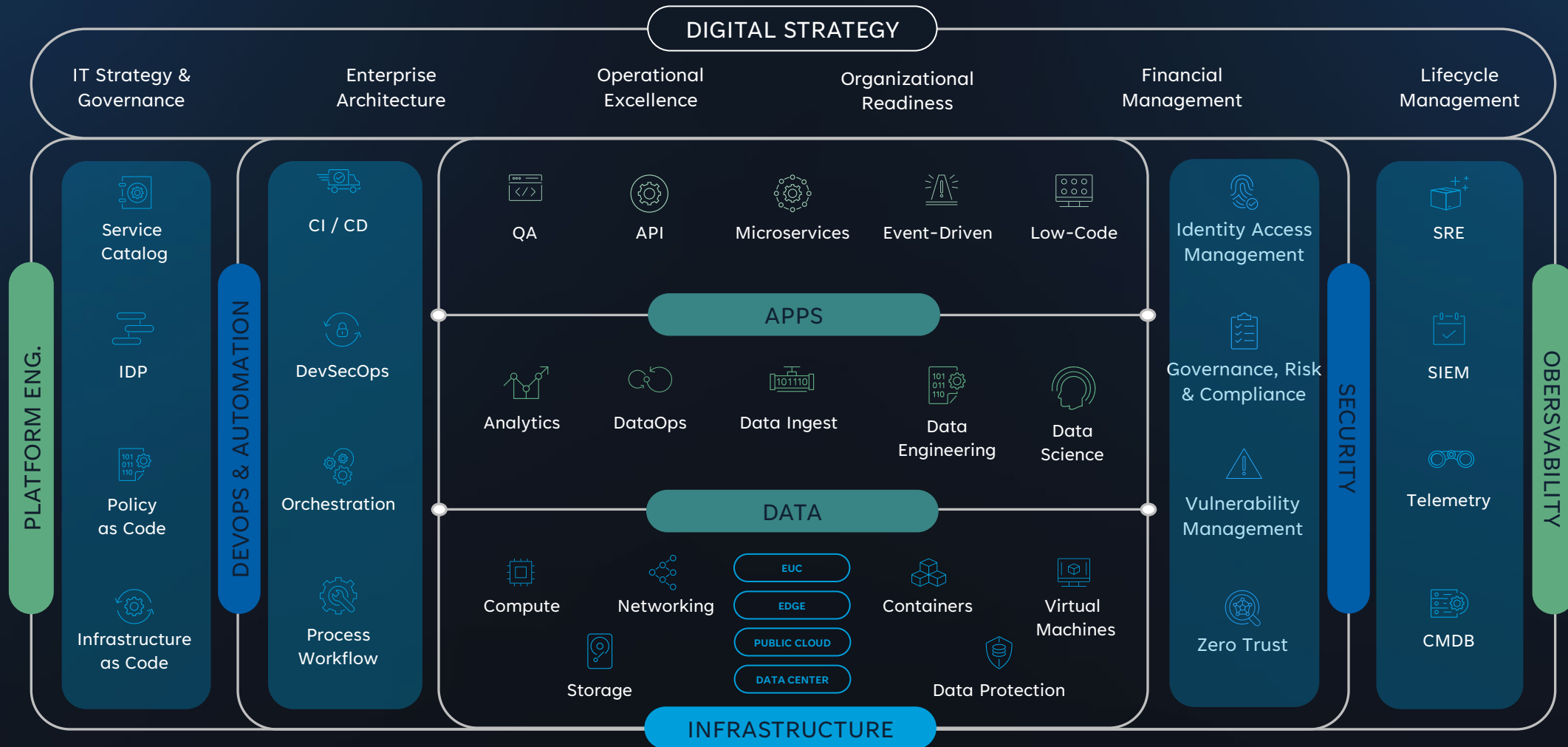
Our Approach

Accountable from strategy through execution



AHEAD Digital Delivery Platform

Integrated approach to help you deliver better outcomes faster



Why AHEAD for Microsoft

Industry Recognition

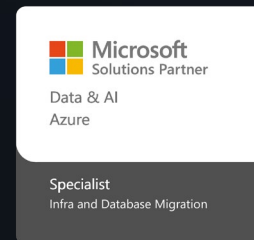
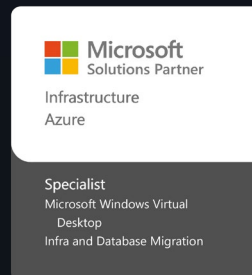
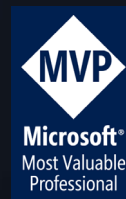
- 2021 Microsoft – Azure Migration Partner (AMP)
- 2021 Microsoft – Azure Winners Circle
- 2021 VMware - Systems Integrator partner of the year (Americas)
- 2019-2022 HashiCorp - Partner of the Year - Americas



Deep ISV Delivery & Integration Expertise



Microsoft Certified



Why AHEAD for GCP

Industry Recognition

2021 VMware - Systems Integrator partner of the year (Americas)
2019-2022 HashiCorp - Partner of the Year - Americas

Deep ISV Delivery & Integration Expertise



Google Certified



Why AHEAD for AWS

Industry Recognition



- Immersion Day
- ProServe Ready
- Solution Provider
- Public Sector Solution Provider



- Amazon EMR Delivery
- DevOps Services Competency
- Storage Services Competency
- Migration Services Competency

- Networking Consulting Competency
- Data & Analytics Services Competency
- Digital Workplace Services Competency

Deep ISV Delivery & Integration Expertise



AWS Certified



Why AHEAD for Red Hat

10 + year old partnership with Red Hat

AHEAD, INC is a strategic Red Hat partner helping our customers with some of our most complex digital, cloud, and application transformations.

AHEADians lead joint Hackathons, Assessments, Workshops, Proof of Values and Executive Briefings across the US, across many verticals including: banking, energy, healthcare, heavy industrial manufacturing, and pharmaceuticals as few examples.

With over 300+ Red Hat accreditations, AHEAD has helped hundreds of clients with Ansible Automation Platform, OpenShift, RHEL, RHEL with SAP and Red Hat Cloud Platforms in all the major hyperscalers



Red Hat
OpenShift



OpenShift



Red Hat
Ansible Automation
Platform



Ansible Automation
Platform



Red Hat
Enterprise Linux



Enterprise
Linux

Stitching Automation Business Outcome

Bringing a collection of technologies to solve business technology challenges.

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Incorporate Software Development
Lifecycle Practices into all aspects of
Automation.

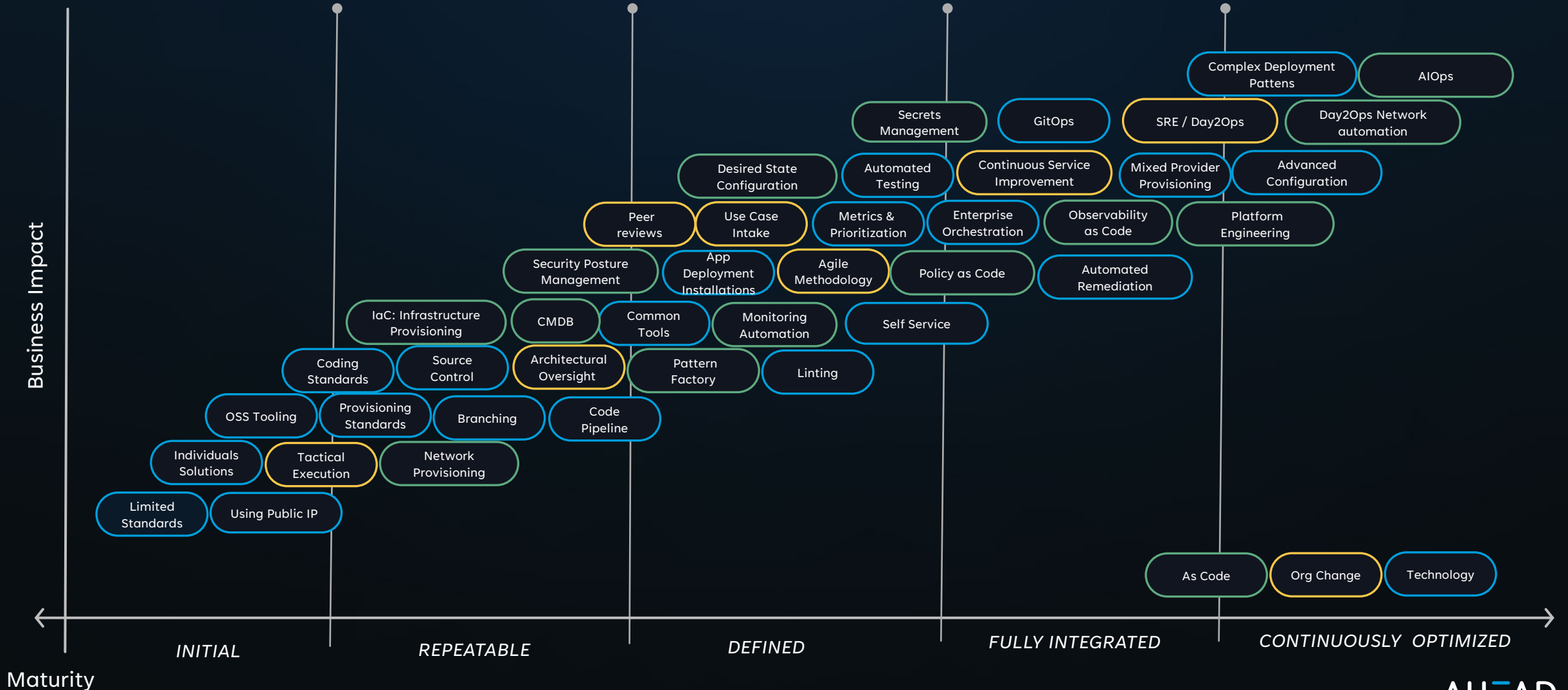
Our Philosophy

AHEAD Enterprise Automation Framework

A scalable and governed automation framework utilizing a common 80% framework across technology platform & software delivery



Automation Maturity Curve



Maturity

Use Case: #1

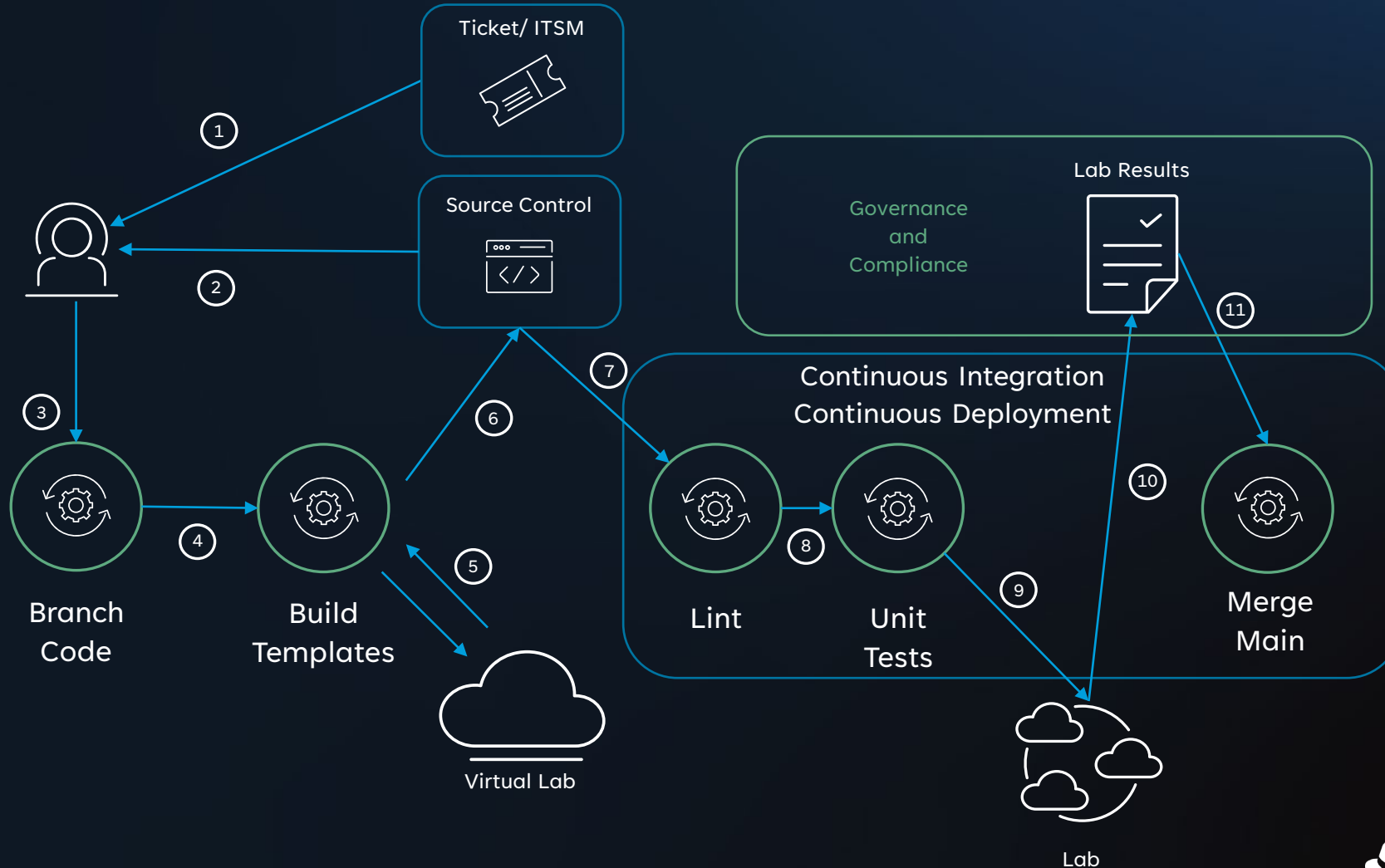
Successful deployment and implementation of Ansible for cloud and on-prem firewall changes

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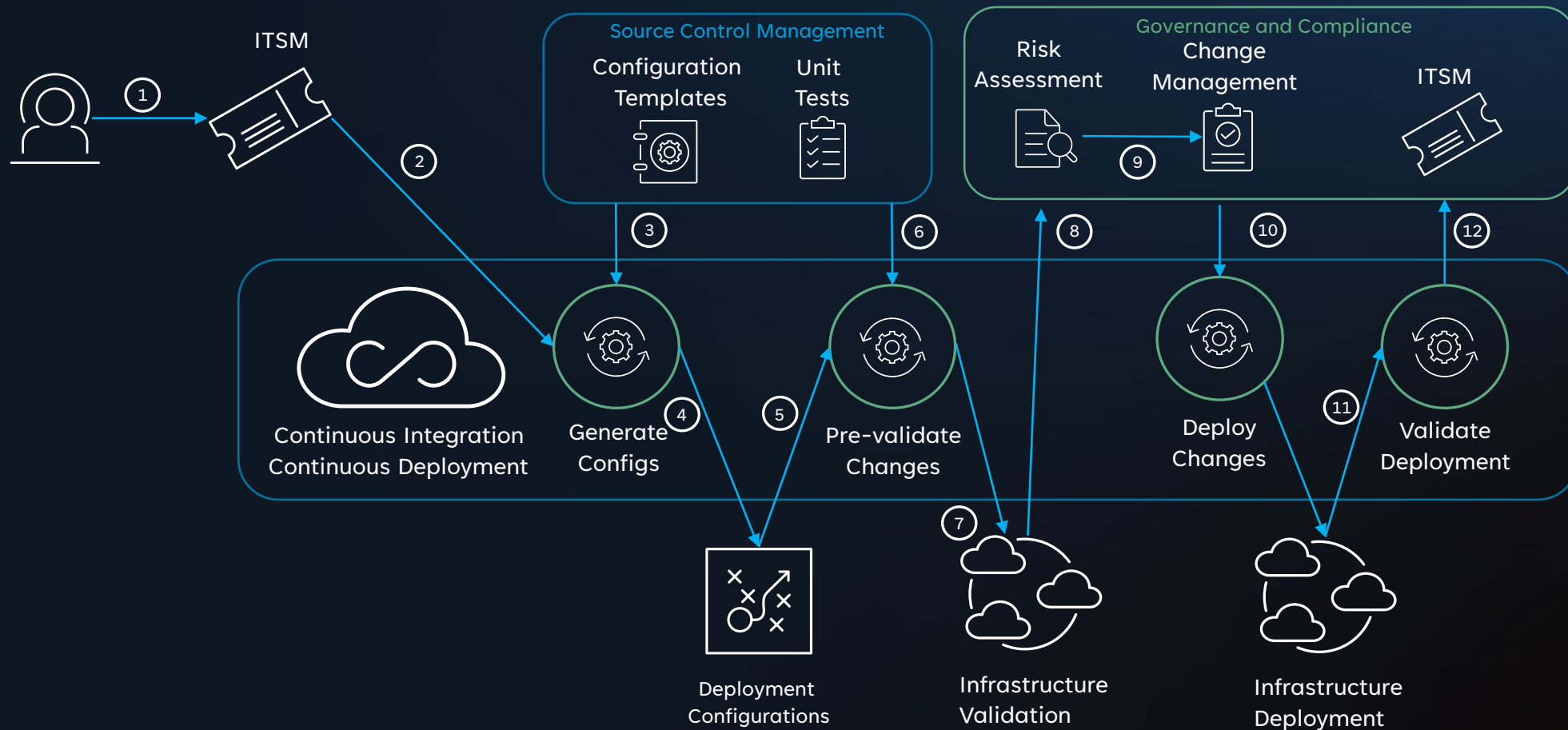
Gaming Company in Las Vegas

- Customer Challenge:
 - Customer had multiple processes for IaC & Config
 - No Standardize Toolchain
 - Took ~3+ weeks for a firewall change
 - Approvals
 - Disjointed process

CI/CD - Continuous Integration Infrastructure Templating



CI/CD - Continuous Integration Infrastructure Templating



Critical Success Factors

- Built a community of excellence with cross function SMEs
- Worked with security and compliance early
- Standardized the process & toolchain
- Picked a MVP use case which showed value quickly
- Automated creation -> retirement of firewall rules

Use Case: #2

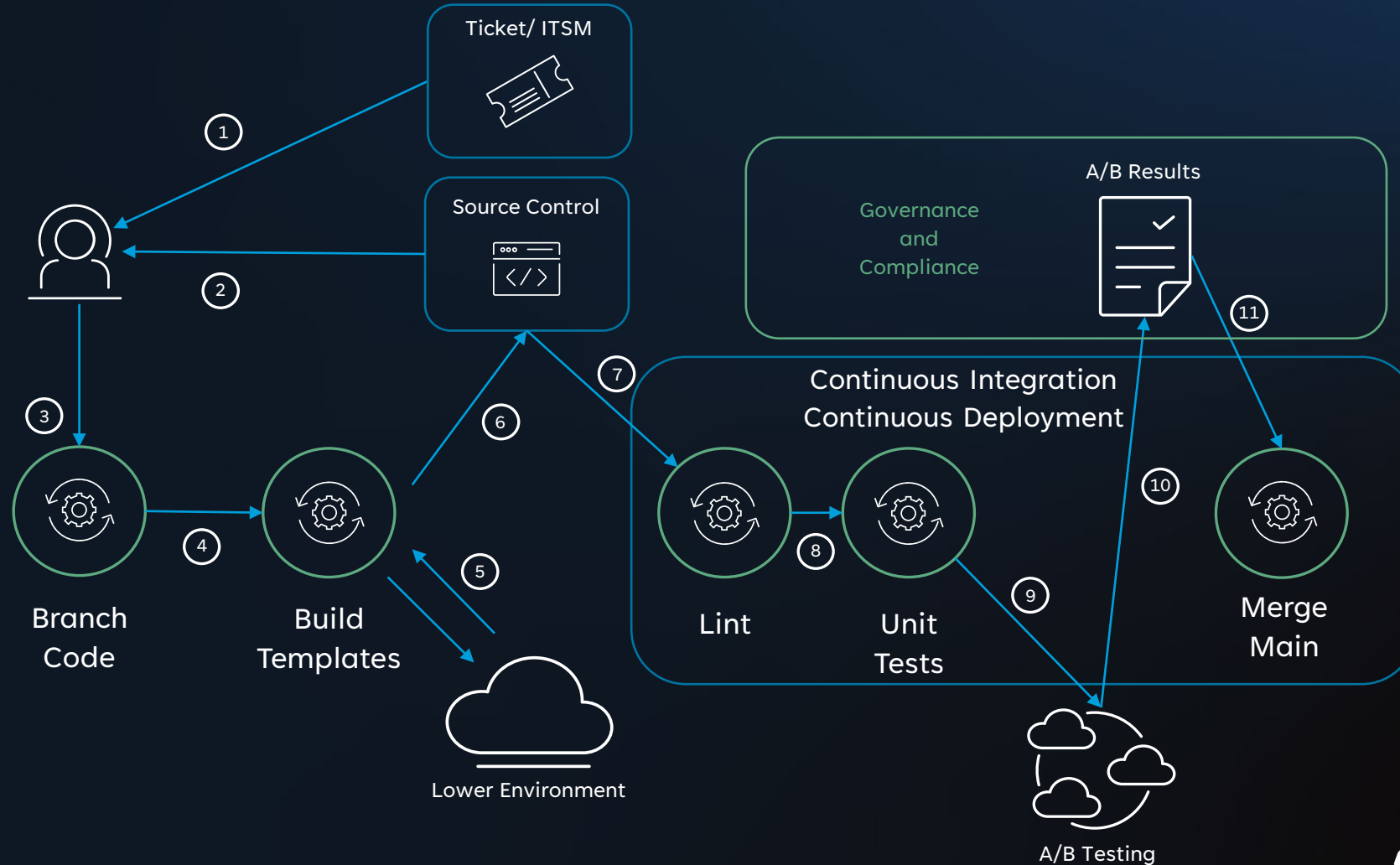
Quick deployment of AAP Ansible on-prem
And playbooks for Observability as Code

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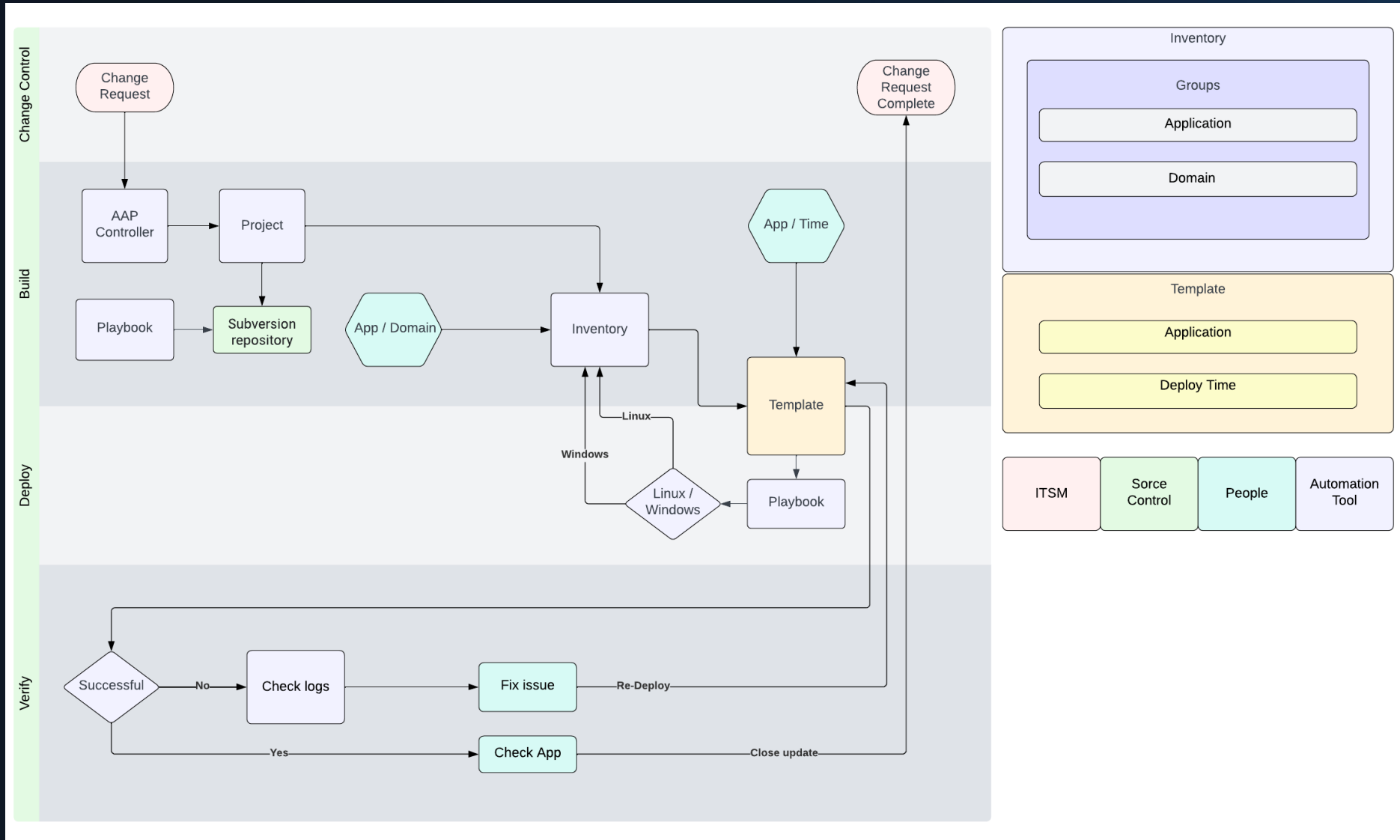
Top 5 Swiss Bank

- Customer Challenge:
 - Changing deployment model for observability
 - ~20 days to update ~400 production machines
 - EXTENSIVE security hurdles
 - ZERO existing automation in place
 - A single 24 hr. change window

CI/CD - Continuous Integration Observability as Code



What this looks like in real life



Critical Success Factors

- Quickly built a small community of cross function SMEs to implement automation
- Worked with security and compliance early
- Standardized the process

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Thank You

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