
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

ENT226

Transformation: Develop capabilities to help drive corporate strategy

Ryan Seaman

WW Head of Transformation Programs
AWS

Adam Thornton

Head of Disruptive Innovation
Lockheed Martin Aeronautics

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

What is the AWS Enterprise Transformation Program?



AWS's comprehensive approach to help you achieve your business goals & transform into a modern digital business.

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

The business impact of enterprise transformation



Business and operational insights to make data-driven decisions



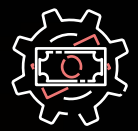
Accelerate time to revenue and increase speed to market



Improved customer experiences with new and enhanced offerings



Skills and capabilities needed for organizational and cultural change



Business operations cost optimization and a transformed modern digital business

aws

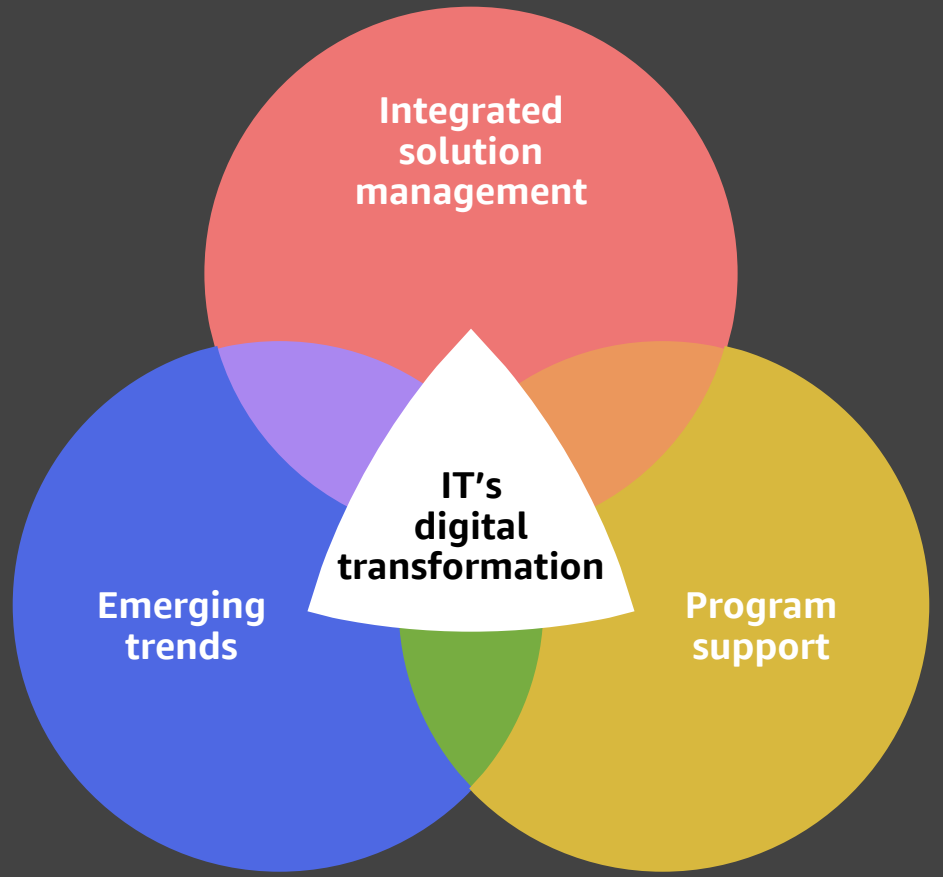
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Adam Thornton

Head of Disruptive Innovation,
Lockheed Martin Aeronautics

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Time for change



Targeted implementation of DevOps principles for large applications

Prioritizing efforts and activities around solution train and program delivery

MOONSHOT = It's DT for IT

aws
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

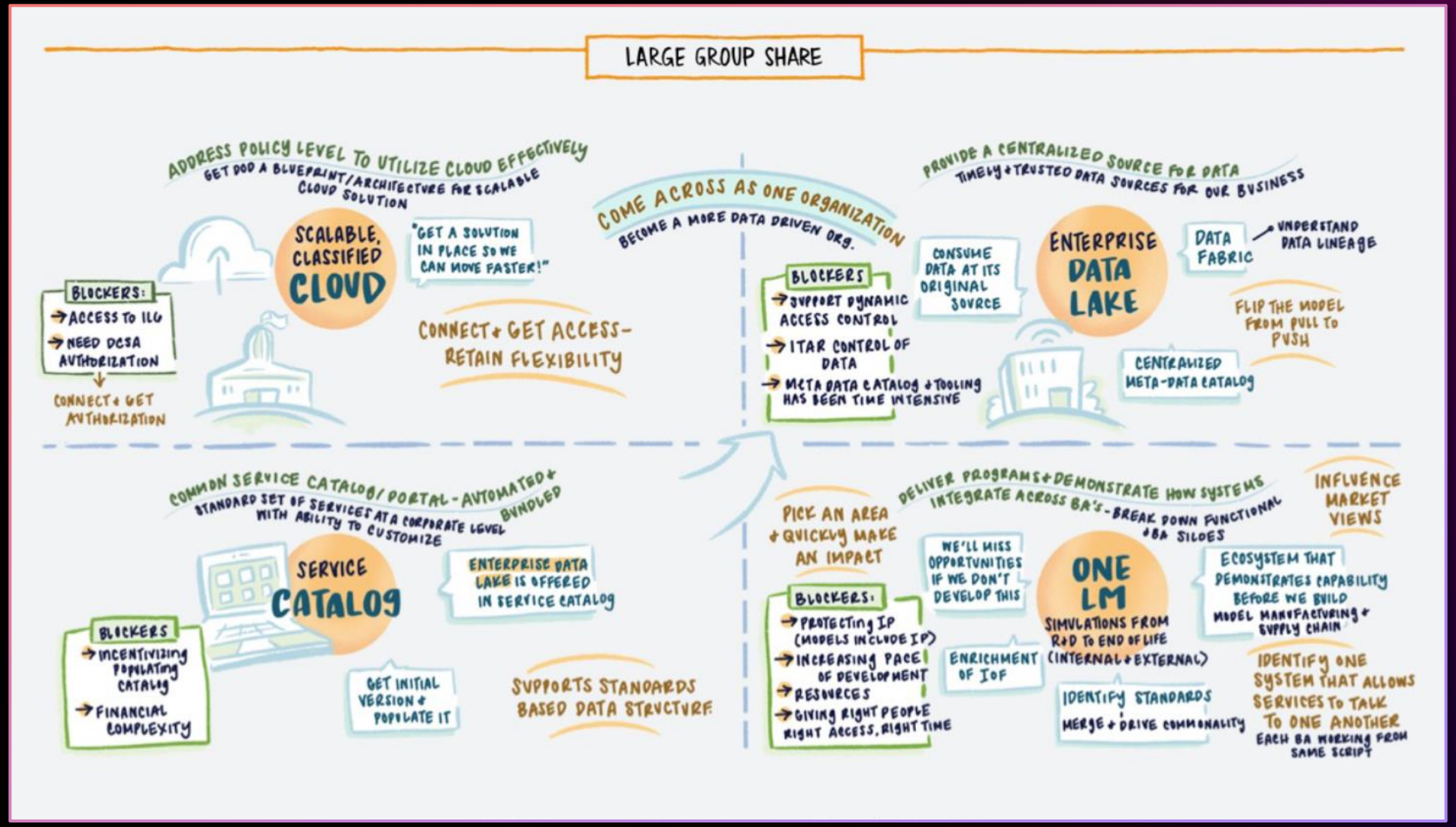
Why enterprise transformation?

- Not just migration
- Think bigger
- Prescriptive & structured approach
- All Enterprise Transformation Program workstreams
- Executive buy-in

aws

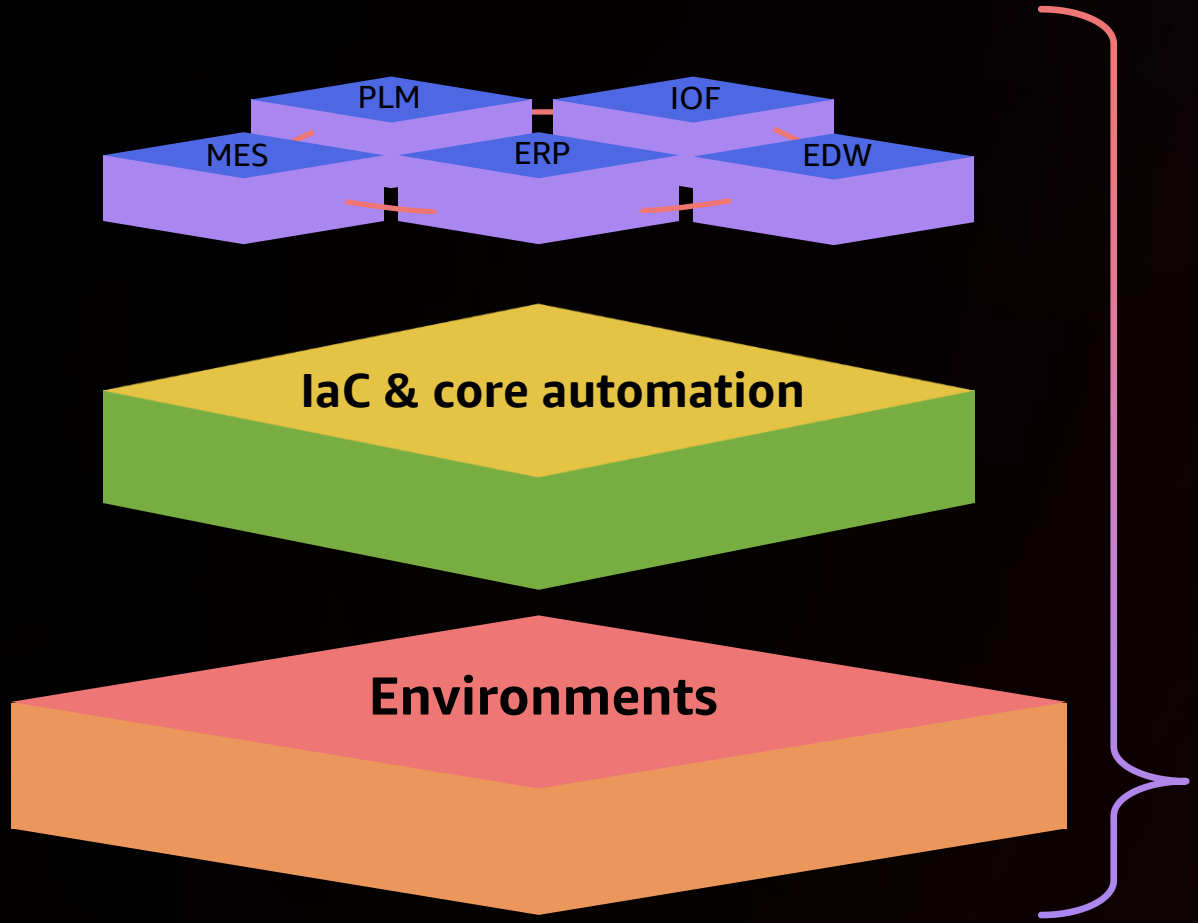
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Executive alignment



© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Moonshot definition

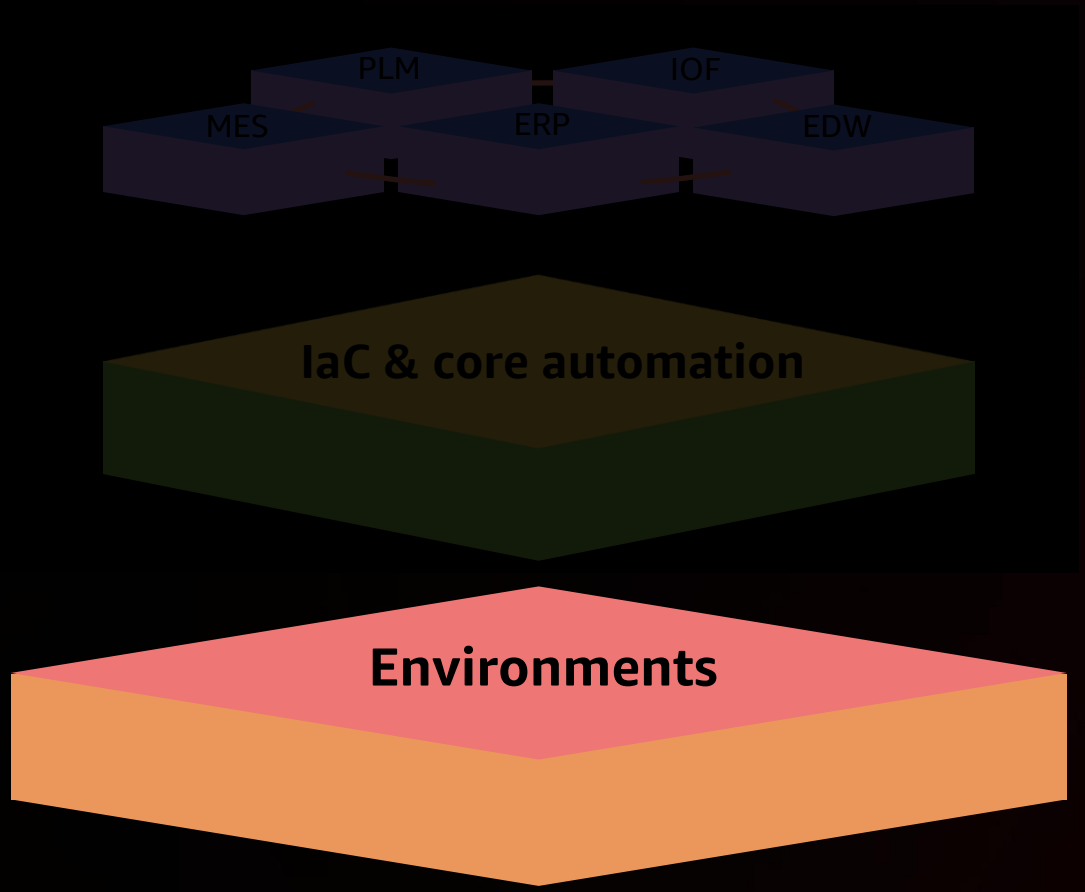


Moonshot creates frameworks based on modern technology and platform-agnostic architecture, making the lessons learned applicable across Lockheed Martin

6+ months ➡ 2 weeks
End-to-end

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Moonshot environments



Expanded capability
with multiple environments

Full integration
of disconnected environments

Integrated security
with automation and fewer touchpoints

Reusable pipeline frameworks
with disconnected VPCs

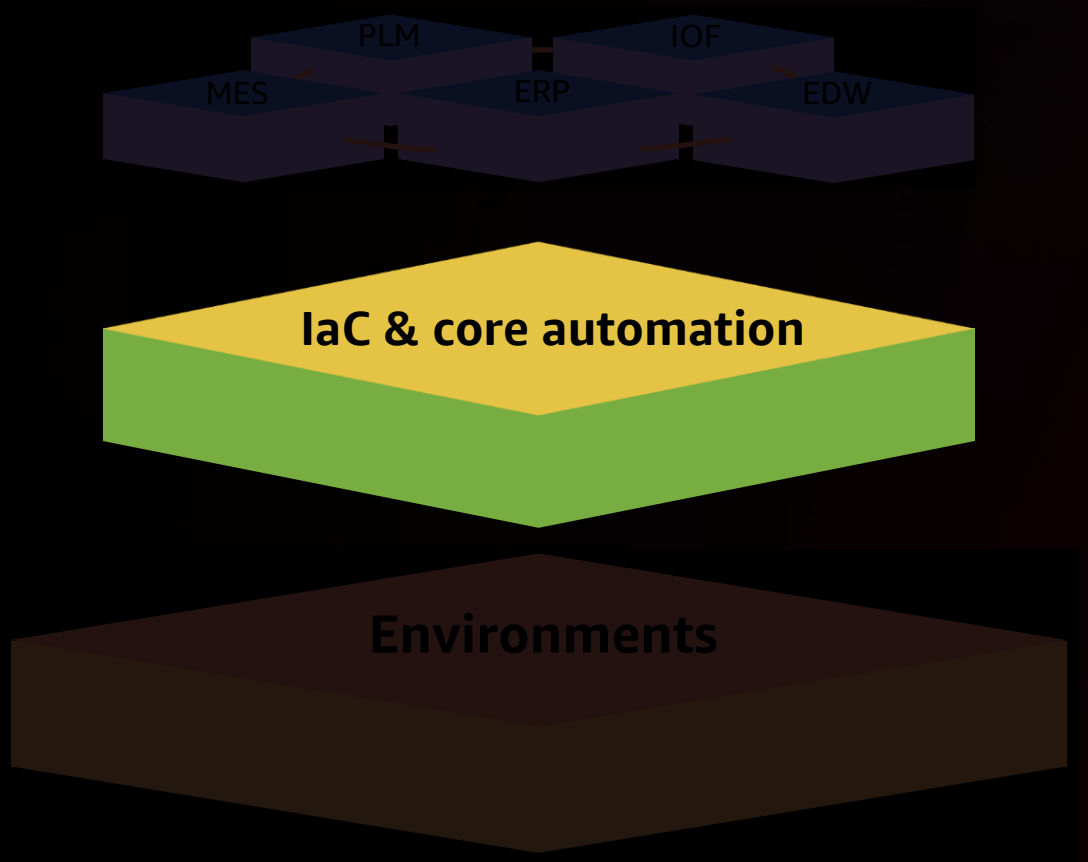
Amazon AppStream 2.0 integration
for cloud-based operations

Standardization across the board
Reusable frameworks

4 months ➡ 1 week
End-to-end

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Moonshot IaC & core automation



Platform-agnostic automation
On premises or any cloud provider

Integrated IAM
Role-based access across the board

15+ core tools automated
across multiple environments

Core automation tools
- ✓ GitLab
- ✓ Nexus
- ✓ Ansible Tower
- ✓ Terraform

Security enclave suite

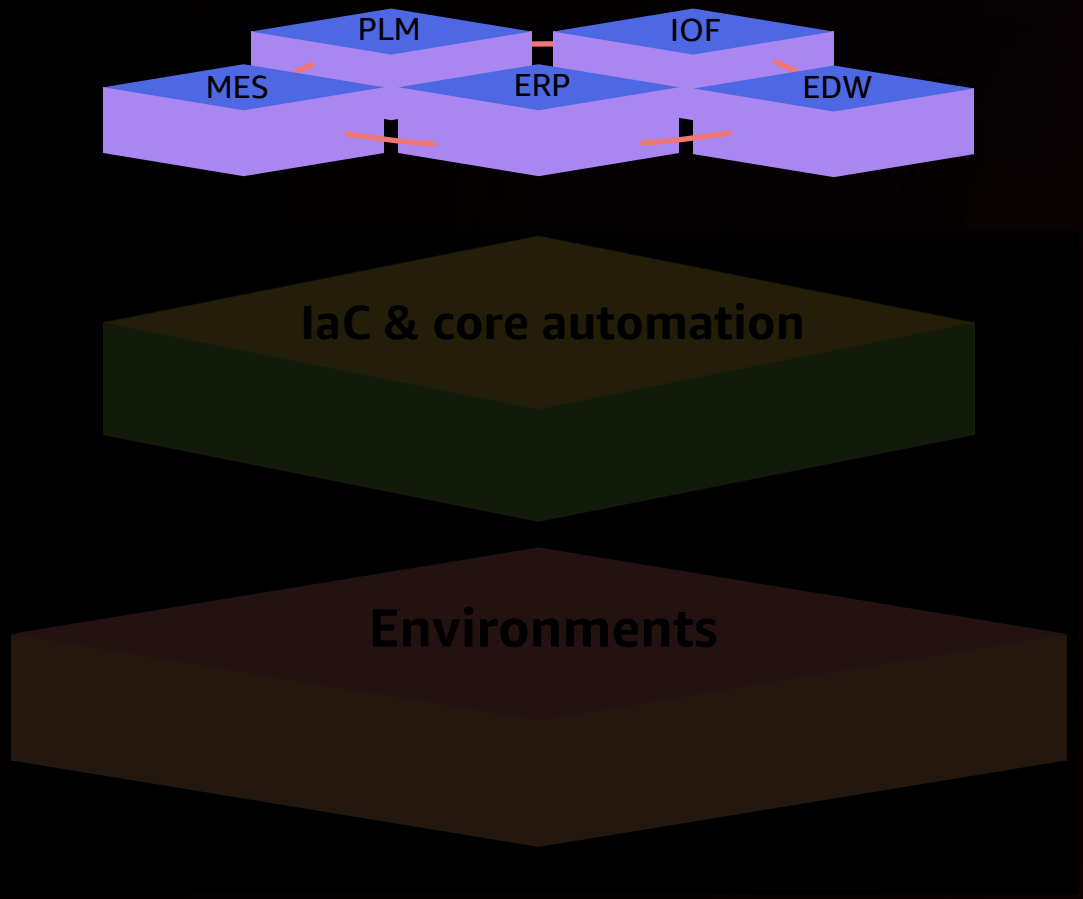
PaaS solutions

Monitoring packages

1–2 weeks ➡ 1–2 days
End-to-end

aws
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Moonshot applications



Integration across versions
Testing new versions without breaking stable integrations

Digital thread
Seamless integration across all major apps

Automated testing
More coverage & quality with less touch labor

Automated installations
Reduced touch-time

MES	ERP	IOF	EDW
94%	99%	99%	99%
16h ↘ 1h	8.5w ↘ 6h	5d ↘ 1h	1w ↘ 1h

2+ months ➡ 1–2 days
End-to-end

aws
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Success and acceleration

1–2 weeks ➡ 1–2 days
for installation of core tooling

6+ months ➡ 2 weeks
End-to-end

2+ months ➡ 1–2 days
for installation of applications

4 months ➡ 1 week
to standup environments

10x
Increased speed of delivery of solutions to programs

10x
Increased testing ability & coverage at the same

10x
Decreased dependency on manual labor

10x
Increased speed of delivery for new environments

Together, with our deep understanding of customers' missions, we're helping to deliver effective solutions using AWS technologies in a secure, mission-critical environment

aws
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Why it’s working!

CLEAR OBJECTIVES

FOCUS ON OUTCOMES

~~TRANSFORMATION~~

EXPERT GUIDANCE

MEASURING AND REPORTING ON VALUE

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

LOCKHEED MARTIN

DISRUPTIVE INNOVATION

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Enterprise transformation


Business


Organizational


Foundation


Modernization


Innovation


Insights

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Iterative strategy – Informed by experience



Phase 1: Prioritization

- Business priorities set
- Transformation readiness assessed & roadmap built
- Define & implement governance



Phase 2: Activation

- Prove ability to transform through delivery of initial results
- Identify success patterns and scale practices
- Define business case and custom commercials



Phase 3: Transformation at scale

- Realize your business goals and advance your corporate strategy
- Business-led transformation informed by market, business, and operational insights
- Capability to continually evolve your modern digital business

---

6 **Concurrent workstreams to accelerate transformation**



Business



Organizational



Foundation



Modernization



Innovation



Insights

aws

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.



To everyone that helped us get here, **thank you!**

aws

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Thank you!



Please complete the session survey in the **mobile app**

© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.