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

COP001

Inside AWS Control Tower: Increase agility without compromising security

Ellie Ray

Sr. Tech Product Manager, AWS Control Tower
AWS

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

AWS Control Tower: A self-service solution to automate the setup of new AWS multi-account environments



AWS managed service version of multi-account environment



Deployment of AWS best practice blueprints and guardrails



Automated account creation based on AWS best practices



Dashboard for monitoring compliance status

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

Why AWS Cloud Operations?



Return on investment

241% ROI over 3 years



Staff productivity

62% more efficient IT infrastructure staff



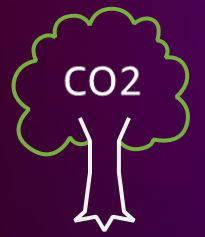
Operational resilience

57% decrease in downtime



Business agility

37% decrease in time to market



Carbon savings

88% reduction in carbon footprint of IT operations

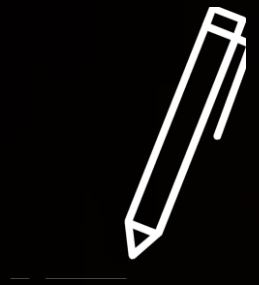
© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Based on independent research of 1,500 AWS enterprise customers. Source: “The Total Economic Impact of AWS Cloud Operations: Cost Savings And Business Benefits Enabled By Operation on AWS.” Commissioned study conducted by Forrester Consulting on behalf of AWS, May 2022.

Your journey to operating at cloud scale

Get started with AWS Cloud Operations

1. Set up



Establish a secure foundation for governance and compliance

2. Build and migrate



Migrate applications to the cloud, or build new applications

3. Operate



Monitor application performance, detect and remediate noncompliance or operational risks quickly

aws

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

Custom account provisioning

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



AWS Control Tower Account Factory Customization



Accelerate development of custom accounts during account provisioning



Fully service-managed solution

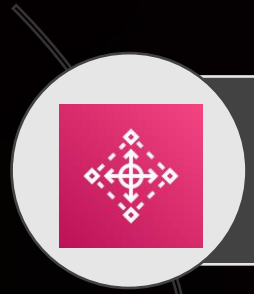


Supports existing AWS Control Tower and non-Control Tower accounts

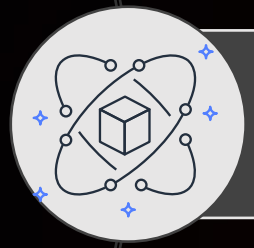
- Integrated into existing account workflow
- Build fully customized account blueprints
- Access 12 partner blueprints

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

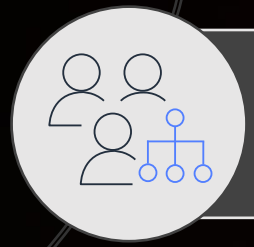
Customer benefits



Improved CX to create custom accounts natively in AWS Control Tower



Flexibility to define custom resources and configurations



Reduces account maintenance overhead

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

IN PREVIEW

Comprehensive controls management

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

Governance challenges

IN PREVIEW

Customers are challenged with balancing compliance requirements with the desire to allow engineers to make their own design choices.

Time and effort to assess each AWS service to identify risks, threats, and ability to meet compliance requirements.

Definition of controls required to meet common control objectives **requires a special skillset** with advanced knowledge of AWS services, relationships, and dependencies.

Automation of control implementation at scale drives **custom-built solutions**.

New features and **changes** to existing features demand services to be reassessed.

Required to **navigate multiple AWS services** to view controls enabled and their status.

aws

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

INTRODUCING

IN PREVIEW

AWS Control Tower – Comprehensive Controls Management

"Allow list" services and meet control objectives quickly



Reduce risk and set up governance quickly and easily

- See your controls in one place
- Start using services quickly
- 300+ new controls organized by service, control objectives, and compliance framework
- Controls mapped to 15 common control objectives

aws

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

Opinionated purpose-built controls for AWS services

IN PREVIEW

Preventive Controls (service control policies)

- Ensures that your accounts maintain compliance, because it disallows actions that lead to policy violations

NEW! Proactive controls (AWS CloudFormation guard)

- Proactively identifies noncompliant resources before they are provisioned by AWS CloudFormation
- Policies are automatically enforced on all AWS CloudFormation deployments



Detective controls (now powered by AWS Security Hub)

- Detect noncompliance and security risks in existing resources in line with AWS Foundational Security Best Practices
- Findings generated at the resource level

aws

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

AWS Control Tower demo

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

How do I get started?

- Getting started
- AWS Control Tower workshops
- Attend an AWS Control Tower Activation Day held regionally/time-zone based: Contact your account team
- AWS Well-Architected Management and Governance Lens
- AWS Management and Governance blog
- AWS Management and Governance YouTube channel



AWS Control Tower getting started



AWS Management and Governance blog



AWS Well-Architected Management and Governance Lens

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

Want to see more AWS Cloud Operations?

Please complete the session survey in the mobile app



Ask us anything at our kiosks in the AWS Village Expo



Find related sessions in our re:Invent blog

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

Thank you!

Ellie Ray
rayellie@amazon.com



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

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