AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

COP309

Managing multi-account environments following best practices

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Agenda

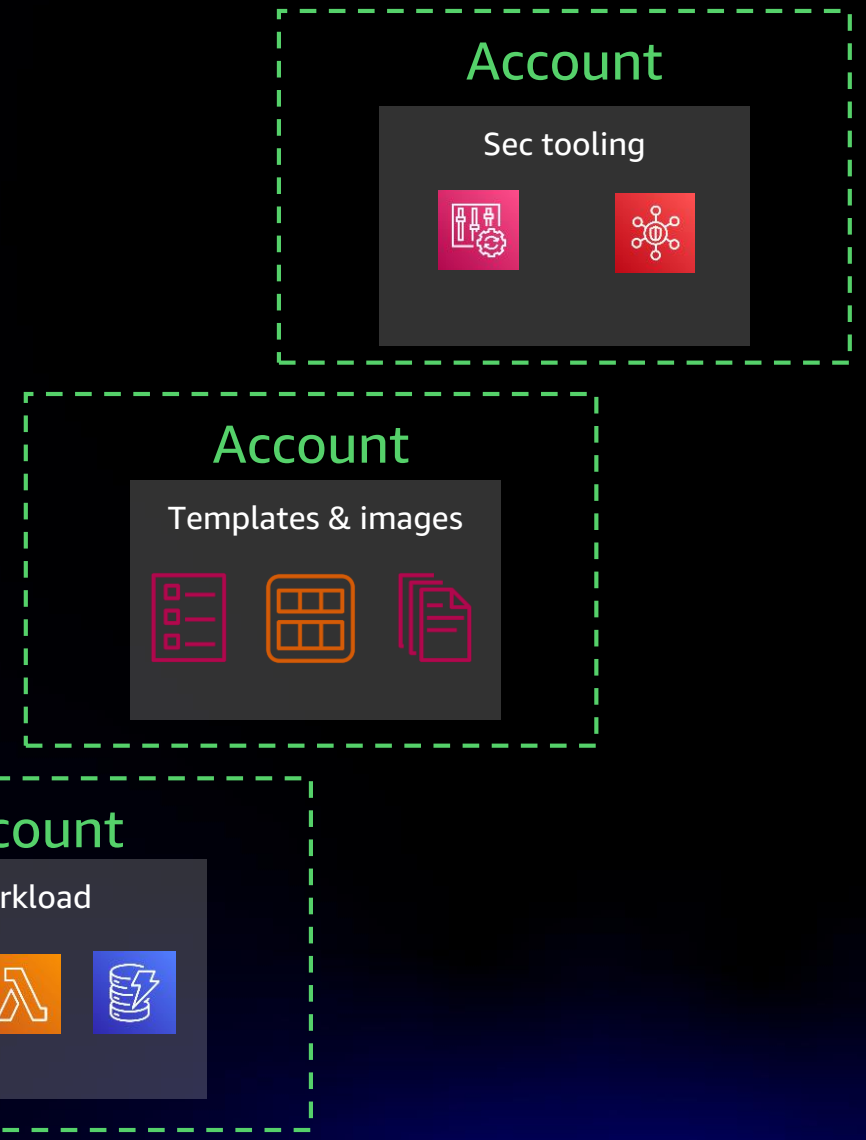
- Intro to multi-account guidance
- Why multi-account as opposed to a single account?
- What does a good multi-account organization look like?
- What tools do I use to achieve a multi-account organization?
- Establishing a multi-account environment (workshop)

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What is an AWS account?

Each AWS account is:

- A resource container/isolation boundary for AWS services
- An explicit security boundary
- A container for cost tracking and billing

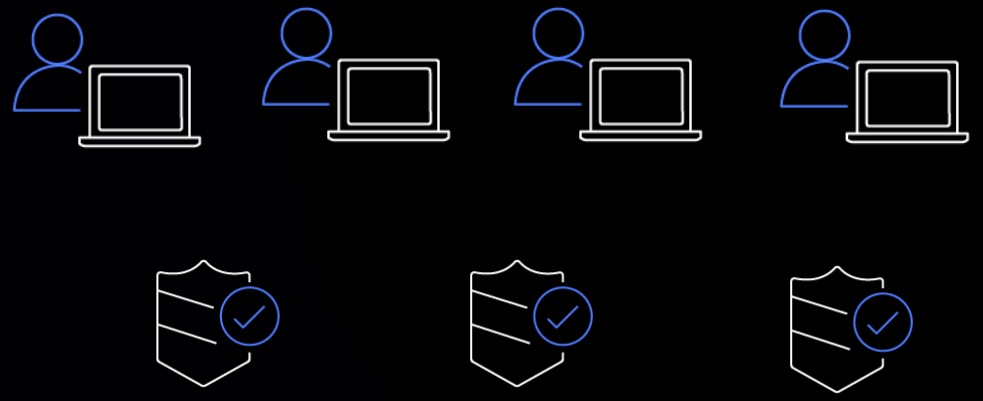


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Benefits of AWS multi-account guidance

CHARACTERISTICS

- Workload-specific accounts
- Access control
- Environment structure
- Encourages maturity from centralized management and operations to a distributed model



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Benefits of a multi-account environment



Centrally provision accounts and resources



Share resources and control access



Optimize costs



Secure and audit your environment for compliance



Many teams

Innovate with exclusive resources for each team



Business process

Organize AWS accounts



Billing

Simplify billing



Isolation & security

Tight security boundaries

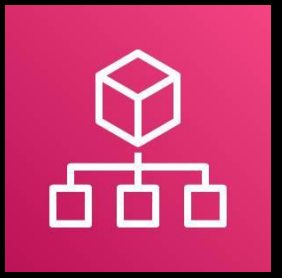
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AWS Organizations

SERVICE OVERVIEW

AWS Organizations provides tools to govern and manage your AWS environment:



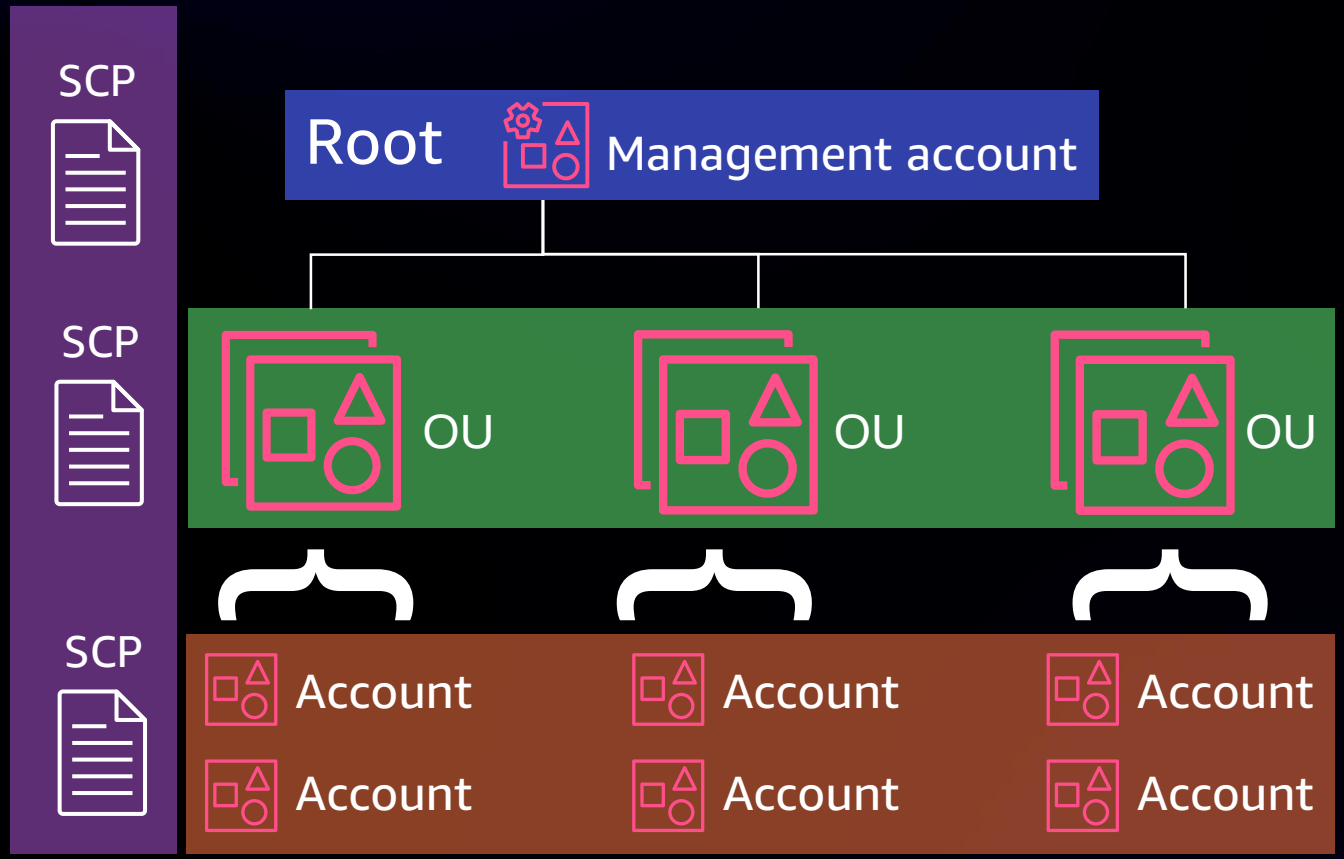
- Quickly scale by centrally creating accounts and sharing resources
- Safeguard your environment by applying governance policies
- Secure and audit your environment
- Manage costs and identify cost-saving measures

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AWS Organizations

MAIN CONCEPTS



Management account

Organizational unit (OU)

Member accounts

Service Control Policy (SCP)

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Workshop

- Create an organizational structure and accounts
- Configure federated access with AWS Single Sign-On
- Establish a log storage for your AWS environment
- Create tagging policies and enable cost allocation tags
- Create a budget for member accounts in your organization

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Workshop

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Multi-account and foundations sessions

#CLOUD-FOUNDATIONS-TRACK

Architecture



[SEC203 – Breakout]
AWS security reference architecture: Visualize your security

[ARC312 – Chalk Talk]
Architecting security and governance in multi-account environments

[ARC318 – Chalk Talk]
Designing a multi-account environment for disaster recovery

[COP319 – Chalk Talk]
Best practices for multi-account environments

Implementation



[SEC201 – Chalk Talk]
Manage and customize service control policies at scale

[SEC314 – Chalk Talk]
The journey to least privilege on AWS

[DOP402 – Breakout]
Automating cross-account CI/CD pipelines

Discussion



[ARC303 – Chalk Talk]
Getting started on AWS for production workloads

[COP303– Chalk Talk]
How to prepare your cloud environment for scale and migrations

Hands on



[COP309 - Workshop]
Managing multi-account environments following best practices

[NET308 – Workshop]
Protect your web applications across multiple AWS accounts

[ENT301 – Workshop]
Discover, plan, and migrate at scale

[ENT302 – Workshop]
Incremental refactoring: Evolve existing apps with microservices

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Thank you!

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