AWS re:Invent

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ARC318-R2

Designing a multi-account environment for disaster recovery

Jason DiDomenico
Enterprise Support Lead
AWS

Devi Paulvannan
Solution Architect
AWS

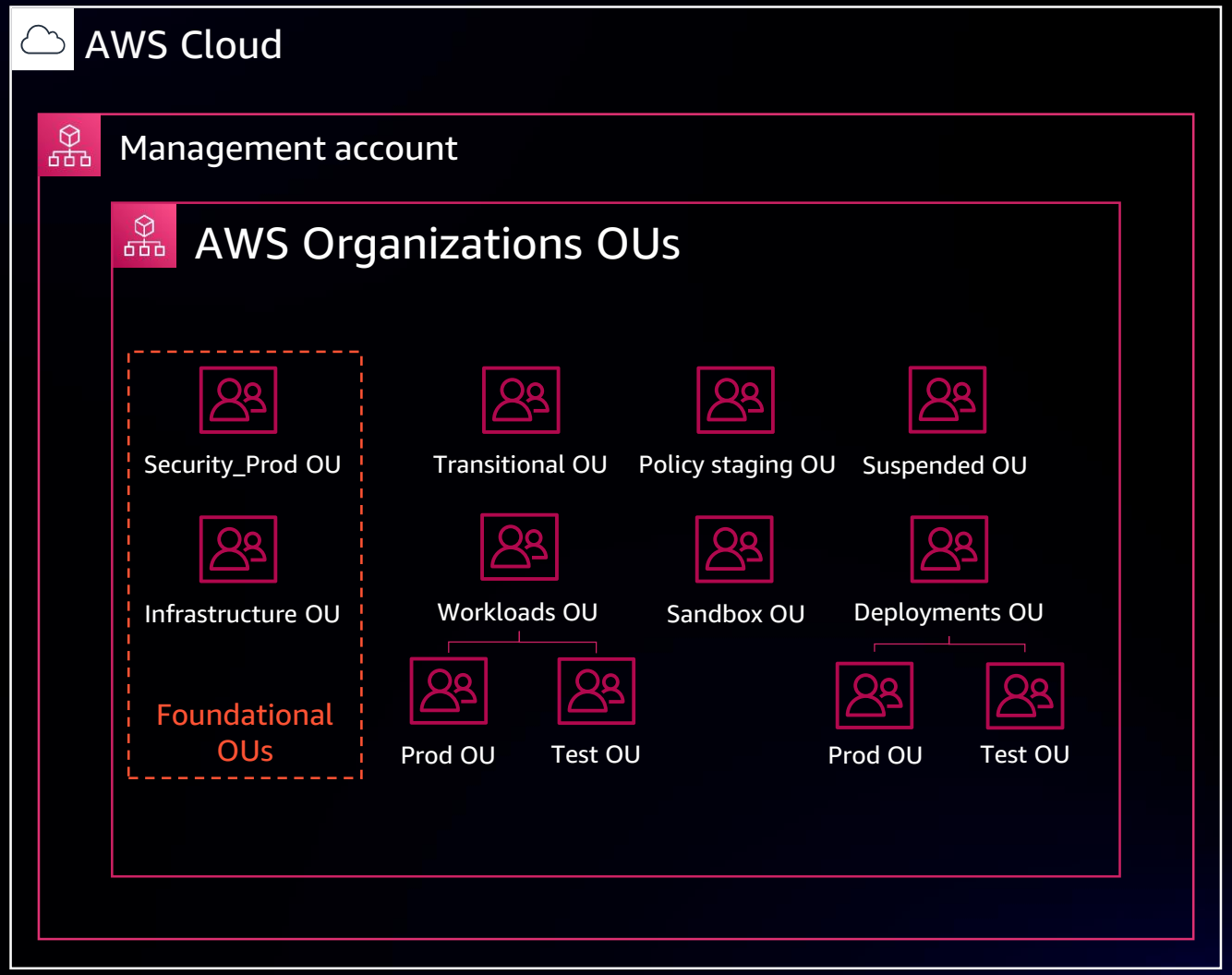
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Agenda

- Refresher of AWS multi-account strategy
- What is disaster recovery (DR)?
- Introduce the business continuity organizational unit (OU)
- How to design for backup, recovery, and DR within your account structure
- Call to action

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Background – Organizing your environment



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Disaster recovery

Enables you to recover from disaster and continue to operate

Planned for and measured as a one-time event

- How long does it take to recover?

Implemented as DR strategy for the workload(s)

- Choose strategy based on business needs and objective



3-2-1 rule to DR on AWS

3 = Primary data + 2 secondary copies

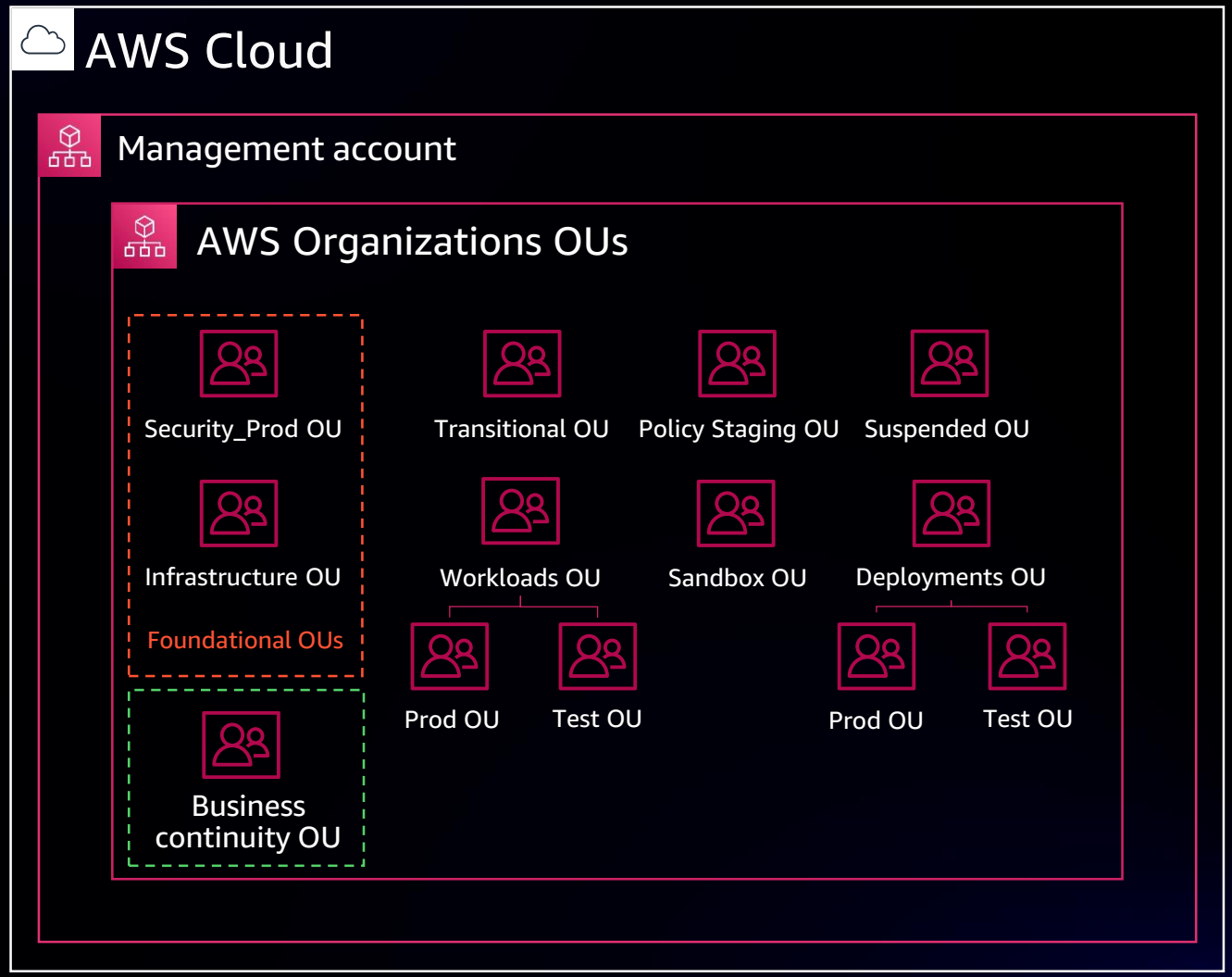
2 different accounts

1 cross-Region (or on premises/outpost)

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Where do my backups for DR go?



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Business continuity organizational unit (OU)

TO ENSURE YOUR ORGANIZATION CAN RECOVER FROM A DISASTER

- Serves as a secure and isolated backup bunker within AWS Organizations for secondary copies of your data
- Should have the most restrictive access controls
- If possible, pull the backups into the account rather than push backups into the account
- Only to be used for disaster recovery
- Start with one account and grow based on your needs

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How to design for backup, recovery, and DR within your account structure

WORKING BACKWARDS APPROACH

- Scenario 1 – Individual workload
- Scenario 2 – Single account
- Scenario 3 – Multiple accounts

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Call to action

WHAT'S NEXT

- Review our multi-account strategy and DR whitepapers for the latest guidance
- Check out our multi-account and disaster recovery workshops and immersion days
- Check out the DR chalk talk for workloads:

  ARC317 – Best practices for disaster recovery of workloads on AWS
- Attend the multi-account sessions listed on the following slide to learn more

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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 & 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 & 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!

Jason DiDomenico
didojaso@amazon.com

Devi Paulvannan
devipaul@amazon.com

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