
AWS
re:Invent
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ARC319

Designing a multi-account environment for disaster recovery

Jason DiDomenico

Sr. SA Cloud Foundations Solns
AWS

Devi Paulvannan

Senior Solutions Architect
AWS

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Agenda

What is disaster recovery?

Refresher of AWS multi-account strategy

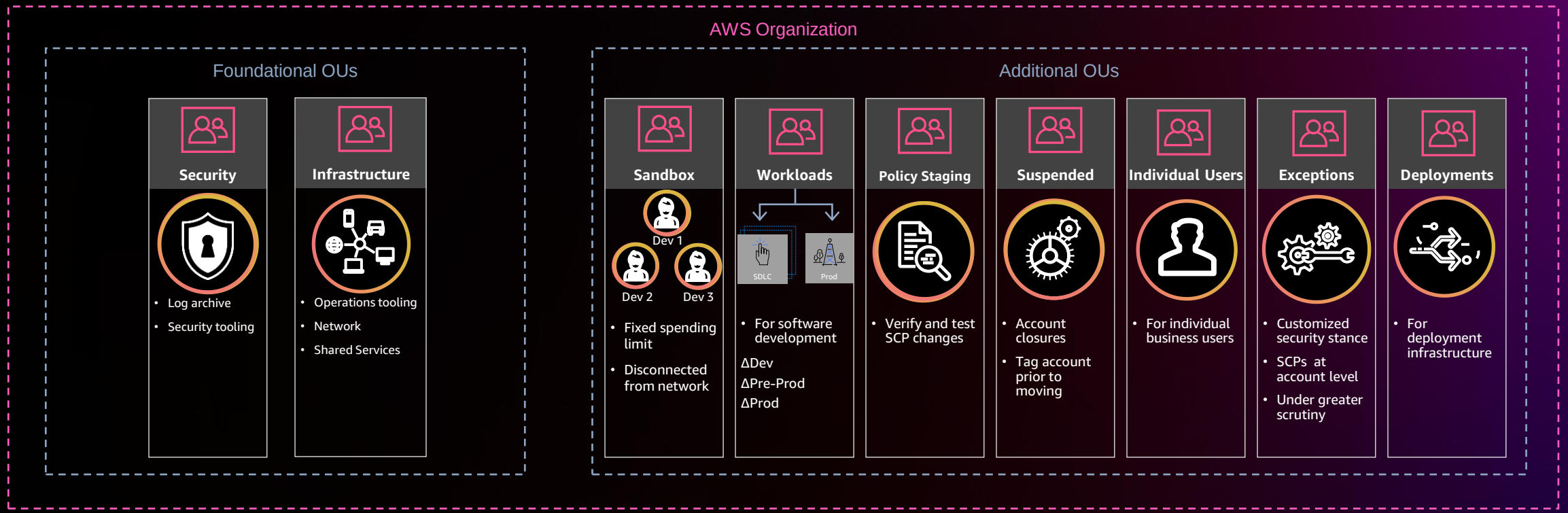
Introduce the business continuity organizational unit (OU)

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

Call to action

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Background – Organizing your environment



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Disaster recovery

Allows the workload 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 –

- Choose strategy based on business needs and objective

3-2-1 rule for disaster recovery on AWS

3 = Primary data + 2 Secondary copies

2 different accounts

1 cross-region*

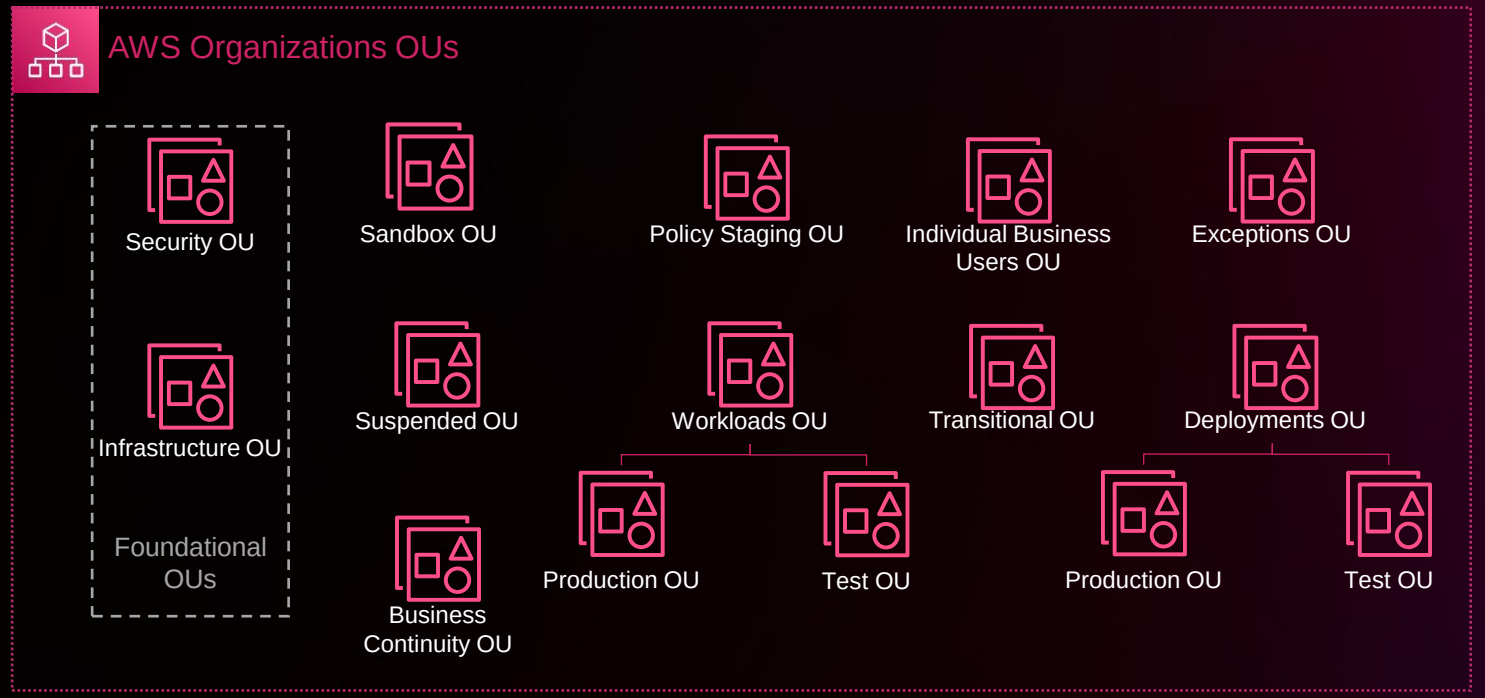


*** For data sovereignty requirements (no other region/local) then copy to on premises/outpost**

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Where do my backups for disaster recovery go?



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Business Continuity organizational unit (OU)

TO ENSURE YOUR ORGANIZATION CAN RECOVER FROM A DISASTER

To serve as a secure and isolated backup bunker within your AWS Organization for secondary copies of your data

Should have most restrictive access controls

Only to be used for disaster recovery

Start with 1 Account and grow based on your organization’s needs

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

WORKING BACKWARDS APPROACH

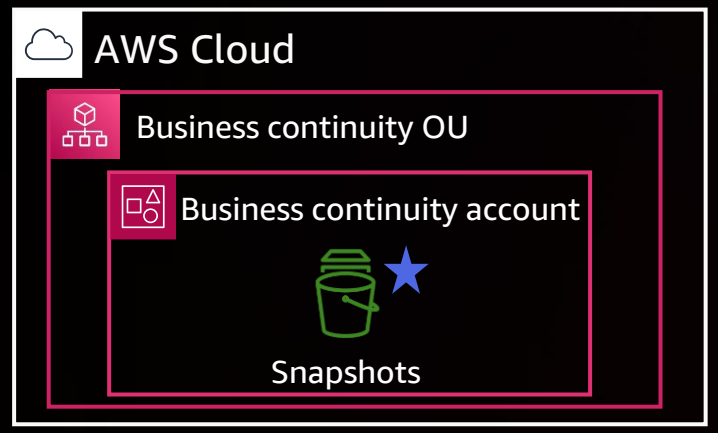
Scenario 1 – Individual workload

Scenario 2 – Single account

Scenario 3 – Multiple accounts

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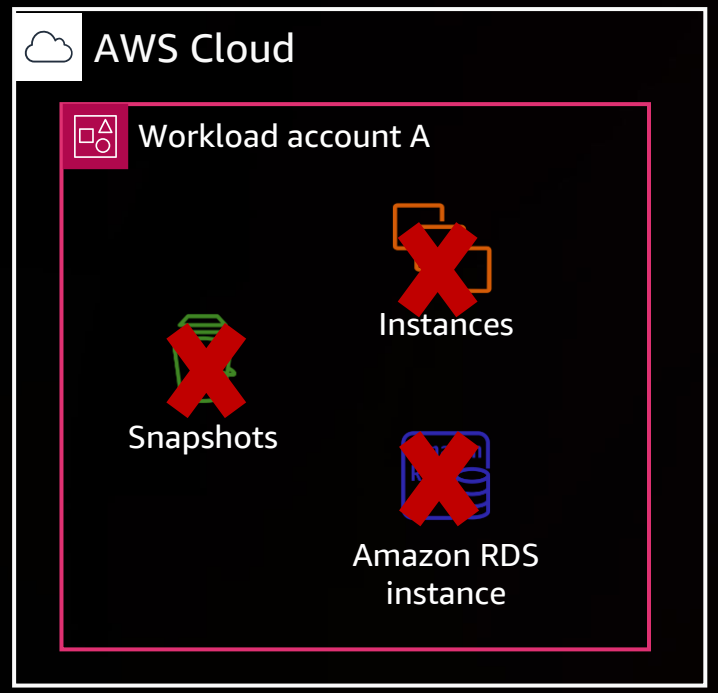
Individual workload

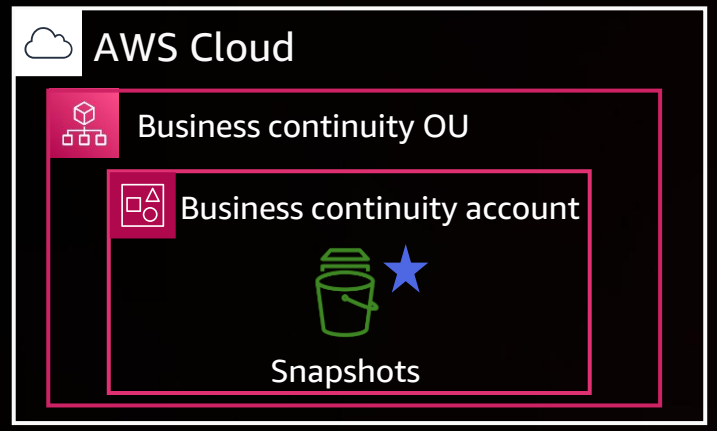


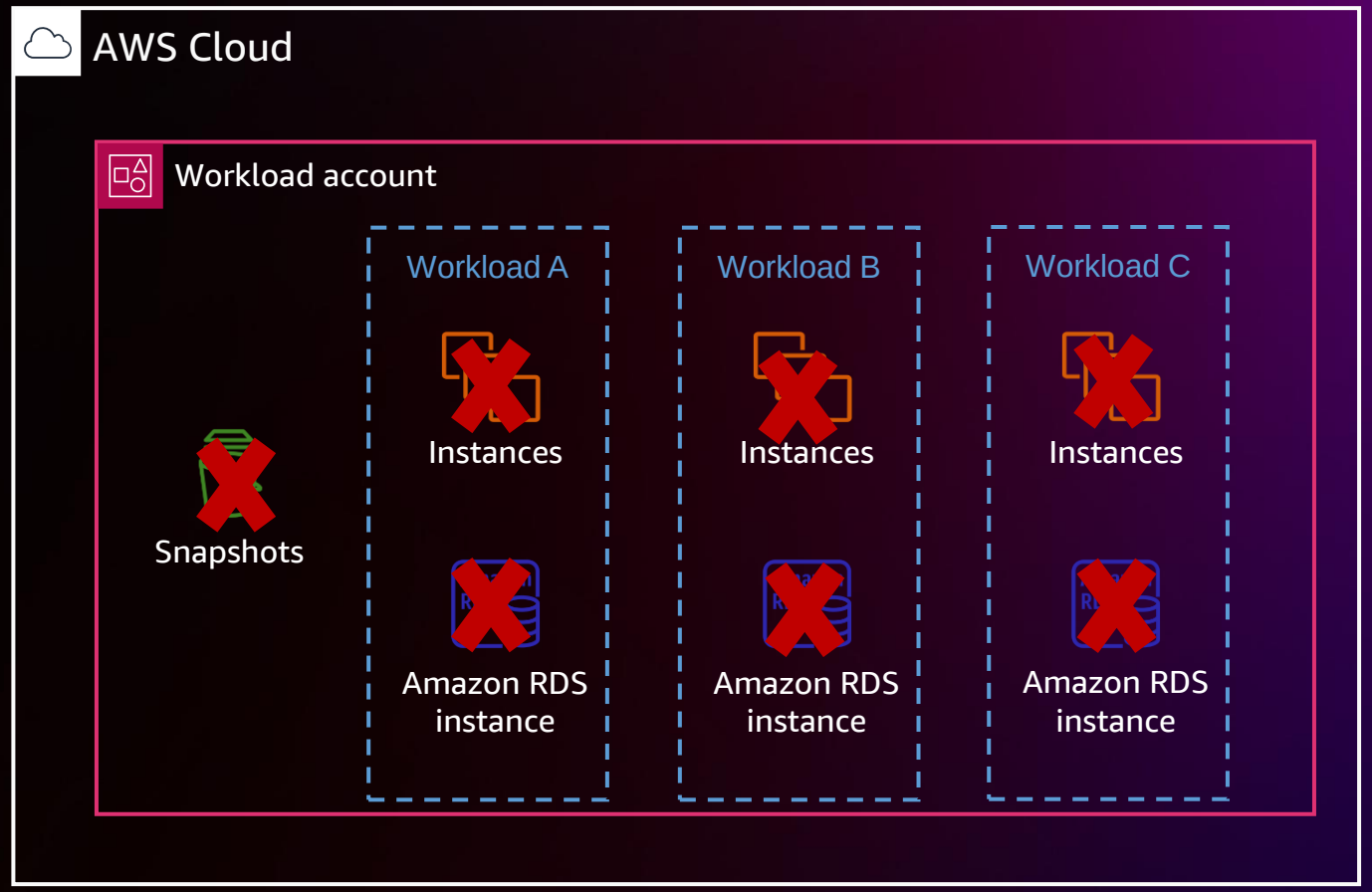


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Single account







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Call to action

WHAT'S NEXT

- Review our Multi-Account Strategy whitepaper

  https://docs.aws.amazon.com/whitepapers/latest/organizing-your-aws-environment/organizing-your-aws-environment.html

- Review our Disaster Recovery whitepaper

  https://docs.aws.amazon.com/whitepapers/latest/disaster-recovery-workloads-on-aws/disaster-recovery-workloads-on-aws.html

- Check out our Multi-Account & Disaster Recovery Workshops and Immersion days

- Attend the following sessions related to multi-account if you want to learn more!

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Cloud Foundations and Multi-Account Strategy sessions

Architecture



[ARC205 – Breakout]
Establishing your cloud foundation on AWS - beyond your landing zone

[ARC321 – Chalk Talk]
Using a multi account strategy to enable hyperscale

[ARC318 – Chalk Talk]
Best practices for disaster recovery of workloads on AWS

[COP305 – Breakout]
Best Practices for organizing and operating on AWS

Implementation



[COP325 – Chalk Talk]
Best practices for automating AWS account migration

[ARC319 – Chalk Talk]
Designing a multi-account environment for disaster recovery

[COP322 – Chalk Talk]
How to remediate and automate operational changes

[DOP403– Chalk Talk]
Multi-Account / Multi-Region Deployments at Scale

Discussion

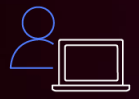


[COP324 – Chalk Talk]
Extend your multi-account governance with automation

[ARC317– Chalk Talk]
Architecting security and governance across your multi-account environment

[COP323– Chalk Talk]
Delegating access in a multi-account environment with IAM Identity Center

Hands On



[COP206 - Workshop]
Build a complete DevSecOps pipeline on AWS

[ARC301 – Workshop]
Building a monitoring strategy

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Thank you!

Jason DiDomenico
didojaso@amazon.com

Devi Paulvannan
devipaul@amazon.com



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