



AWS re:Invent

GPSTEC324

Automating ISV product deployment with AWS Landing Zone

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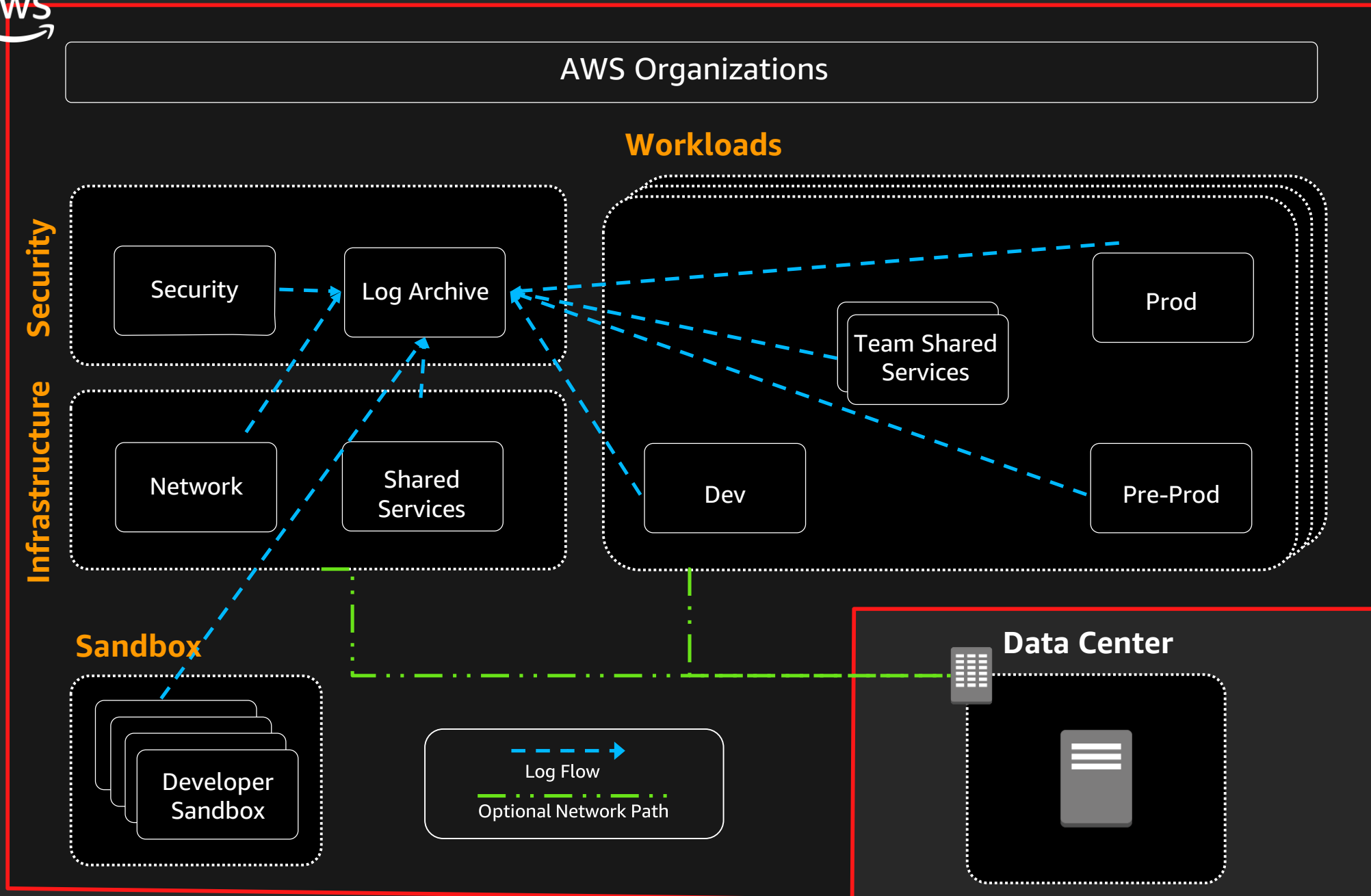
Chalk talk discussion

- Scenarios
- Solution design considerations
- Demonstration of a solution
- Resources

Quick show of hands ...

- Have you heard of AWS Landing Zone (ALZ) ?
- Have you used ALZ in production setup ?
- Have you deployed ISV products into the landing zone ?

Multi-account approach



Orgs: Account management

Log Archive: Security logs

Security: Security tools, AWS Config rules

Shared services: Directory, limit monitoring

Network: AWS Direct Connect

Dev Sandbox: Experiments, learning

Dev: Development

Pre-Prod: Staging

Prod: Production

Team SS: Team shared services, data lake

Infrastructure and Security accounts are also called Core accounts

Scenarios

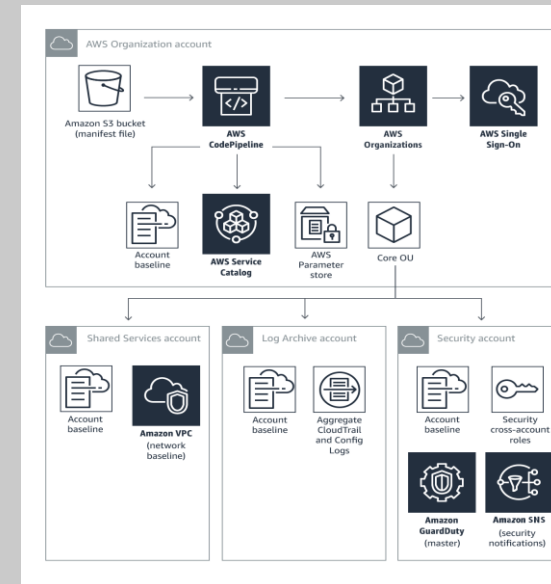
More than 1,400 ISV partners provide their products through AWS Marketplace



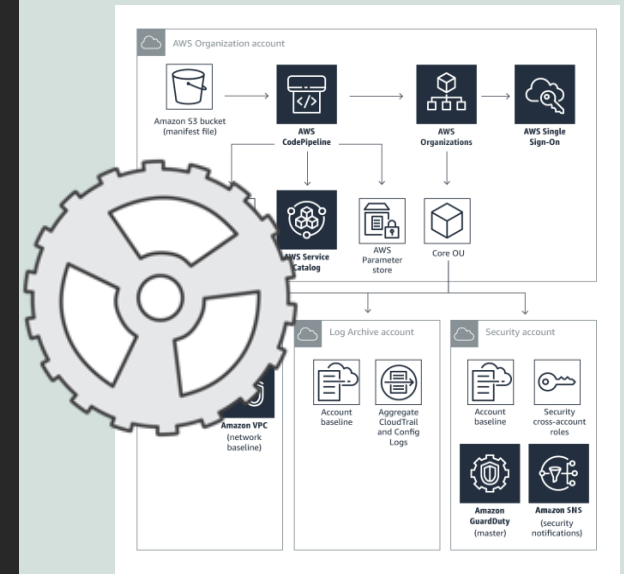
375 in CloudFormation Stack; 160 built with AWS Quick Start to provide reference architecture for their products



Many customers have adopted the AWS Landing Zone solution



Many customers need to deploy some of the ISV products in their AWS Landing Zone environment



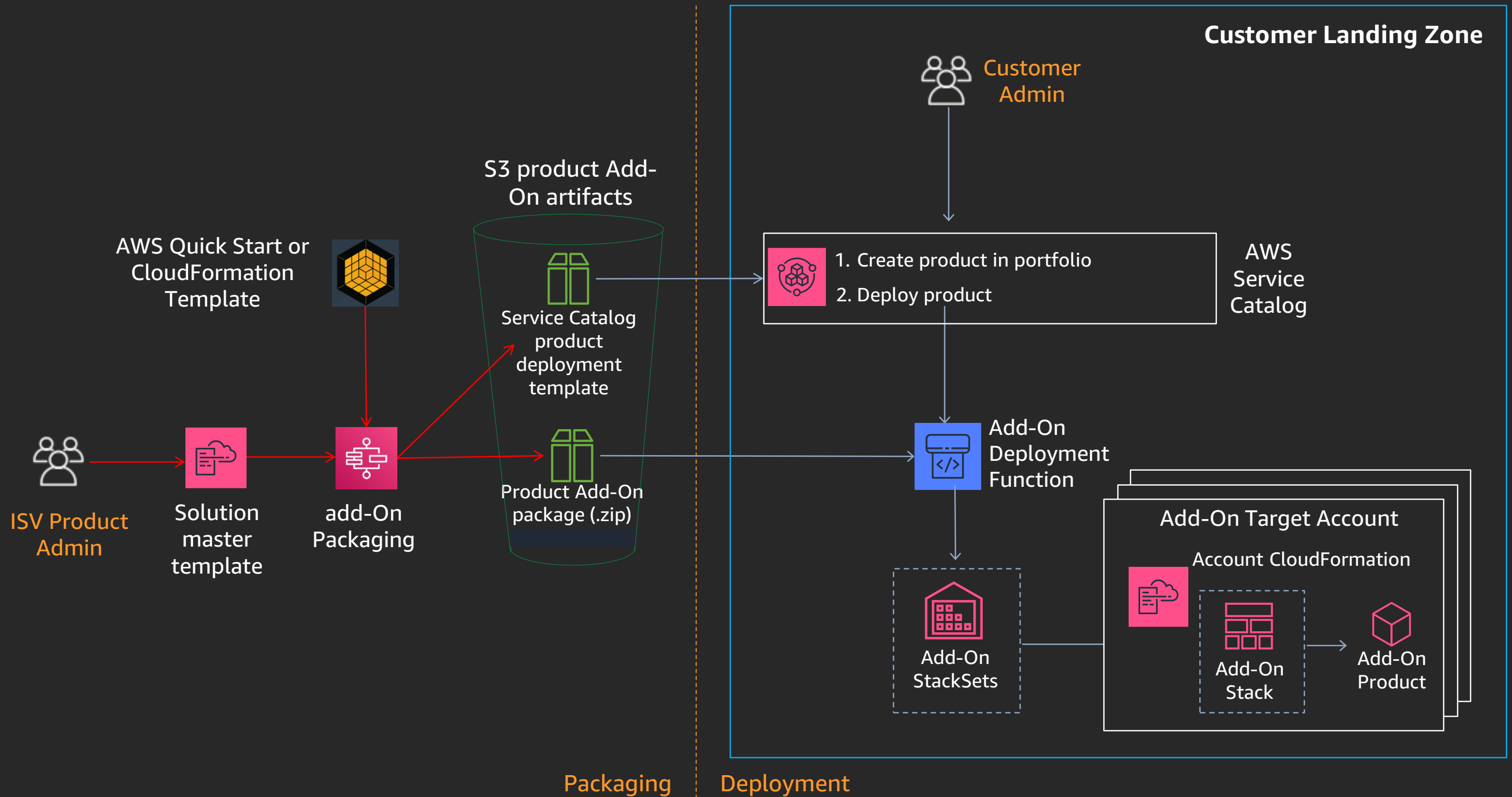
Objective:

Automated deployment of ISV products in customer's landing zone environment

Solution design considerations

- Who are the users?
 - Product vendor, customer, or MSP?
- Where are ISV products deployed to?
 - Core account or baseline account?
- What's ISV product management model?
 - Centralized or distributed?
- What's ISV product deployment model
 - Centralized or distributed?
- What forms of ISV product package(s) are required for deployment automation?
 - AWS CloudFormation template, Quick Start, Scripts ...?

Solution architecture



Demo

Solution's workflow—demo

- ISV vendor—packaging
 1. Run AWS CloudFormation stack to create ISV product artifacts
- Customer or MSP—deployment
 1. Subscribe ISV product license in AWS Marketplace
 2. Create and manage ISV product in AWS Service Catalog
 3. Deploy ISV product from AWS Service Catalog to target account(s)

Automating ISV product packaging

- ISV product ALZ Add-On package (.zip) and file structures
- ALZ Add-On product template for AWS Service Catalog
- Packaging state machine

Resources

Solution artifacts and product repo

Product packaging template, user guide and AWS Transit Gateway sample

<https://github.com/aws-quickstart/quickstart-alz-examples>

Blog

<https://aws.amazon.com/blogs/infrastructure-and-automation/automating-isv-product-packaging-and-deployment-in-aws-landing-zone/>

Support contact

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FIN, ACK

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Landing zone sessions

search: "landing zone"



Architecture

SEC325 – Architecting security & governance across your landing zone (Session)

ARC344 – Understanding the landing zone journey (Chalk Talk)

GPSTEC203 – AWS Control Tower versus AWS Landing Zone (Chalk Talk)



Implementation

MGT307 – Governance at scale: AWS Control Tower, AWS Organizations, and more (Chalk Talk)

MGT302 – Enable AWS adoption at scale with automation and governance (Session)

SEC335 – How to deploy secure workloads with AWS Control Tower (Chalk Talk)

GPSTEC325 – AWS Control Tower in a nutshell and practice enablement for APN Partners



Operations

ENT320 – Cloud operations engineer: A day in the life (Session)

ENT214 – Cloud migration in the face of data-center eviction (Session)

ENT215 – Five steps AWS leverages to accelerate cloud adoption (Session)



Discussion /Feedback

SEC324 – Deep dive into AWS multi-account strategies (Chalk Talk)



Hands-on

ARC315 – Build end-to-end governance with AWS Control Tower (Workshop)

SEC347 – DNS across a multi-account environment (Builders Session)

Thank you!

Jim Huang & Amit Bajaj

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Please complete the session
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