

AWS Security Governance at Scale

Course outline

Module 1: Governance at Scale

- Governance at scale focal points
- Business and Technical Challenges

Module 2: Governance Automation

- Multi-account strategies, guidance, and architecture
- Environments for agility and governance at scale
- Governance with AWS Control Tower
- Use cases for governance at scale

Module 3: Preventive Controls

- Enterprise environment challenges for developers
- AWS Service Catalog
- Resource creation
- Workflows for provisioning accounts
- Preventive cost and security governance
- Self-service with existing IT service management (ITSM) tools

Lab 1: Deploy Resources for AWS Catalog

- Create a new AWS Service Catalog portfolio and product.
- Add an IAM role to a launch constraint to limit the actions the product can perform.
- Grant access for an IAM role to view the catalog items.
- Deploy an S3 bucket from an AWS Service Catalog product.

Module 4: Detective Controls

- Operations aspect of governance at scale
- Resource monitoring
- Configuration rules for auditing
- Operational insights
- Remediation
- Clean up accounts

Lab 2: Compliance and Security Automation with AWS Config

- Apply Managed Rules through AWS Config to selected resources
- Automate remediation based on AWS Config rules
- Investigate the Amazon Config dashboard and verify resources and rule compliance

Lab 3: Taking Action with AWS Systems Manager

- Setup Resource Groups for various resources based on common requirements
- Perform automated actions against targeted Resource Groups

Module 5: Resources

- Explore additional resources for security governance at scale