AWS Security Governance at Scale (SGS)

ID SGS   **Prix** CHF 975,– (Hors Taxe)   **Durée** 1 jour

A qui s'adresse cette formation

This course is intended for:

- Solutions architects, security DevOps, and security engineers

Pré-requis

Before attending this course, participants should have completed the following:

Required:

- AWS Security Fundamentals course
- AWS Security Essentials (SEC-ESS) course

Optional:

- AWS Cloud Management Assessment
- Introduction to AWS Control Tower course
- Automated Landing Zone course
- Introduction to AWS Service Catalog course

Objectifs

In this course, you will learn to:

- Establish a landing zone with AWS Control Tower
- Configure AWS Organizations to create a multi-account environment
- Implement identity management using AWS Single Sign-On users and groups
- Federate access using AWS SSO
- Enforce policies using prepackaged guardrails
- Centralize logging using AWS CloudTrail and AWS Config
- Enable cross-account security audits using AWS Identity and Access Management (IAM)
- Define workflows for provisioning accounts using AWS Service Catalog and AWS Security Hub

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Course Introduction

- Instructor introduction
- Learning objectives
- Course structure and objectives
- Course logistics and agenda

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

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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
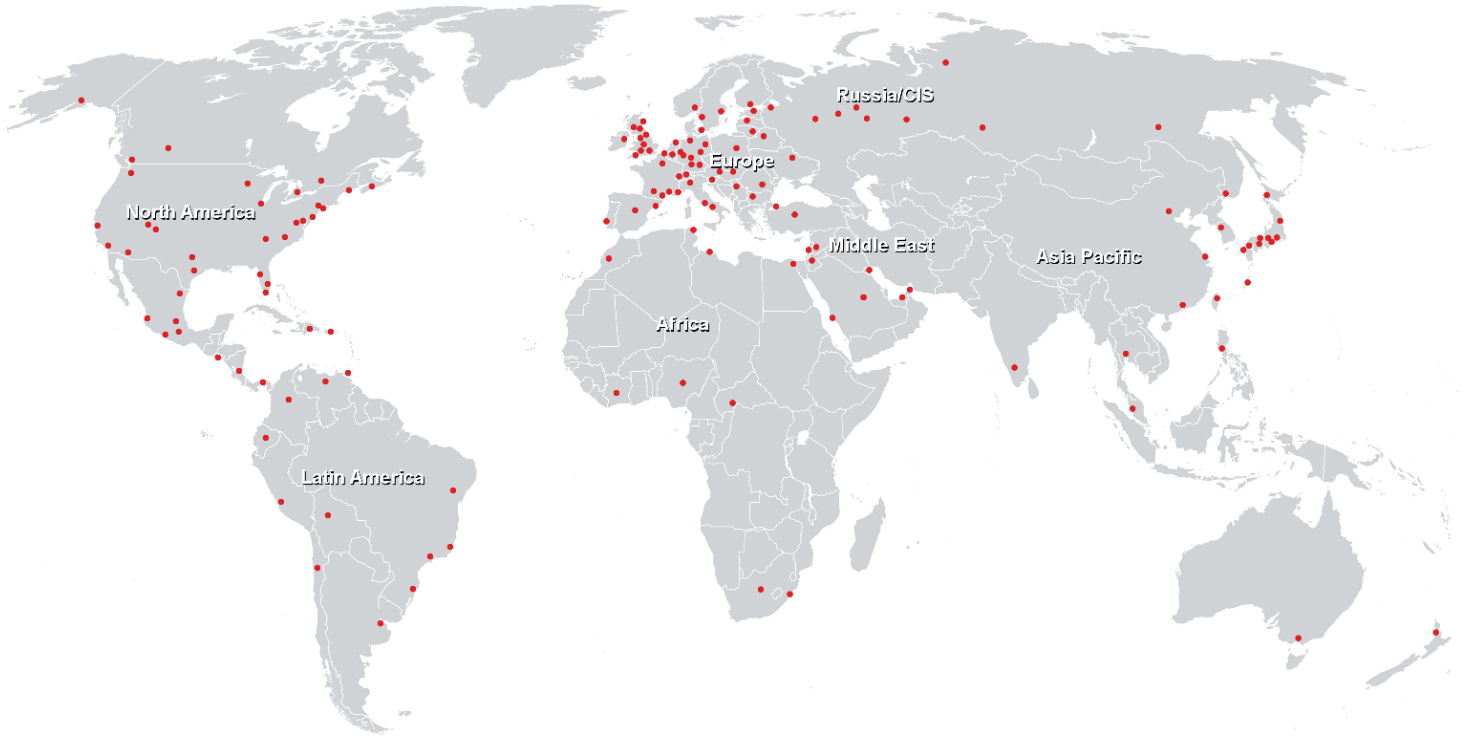
Lab 3: Taking Action with AWS Systems Manager

- 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

Centres de formation dans le monde entier

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