

Modernizing Technology Governance – *Through Rigid Security Automation*

AWS Security Hands-on Workshop

AWS customers continue to labor over demonstrating their alignment with security, compliance and audit assertions in AWS customer environments. Additionally, the majority of **CURRENT** technology governance processes relies predominantly on administrative and operational security controls with **LIMITED** technology enforcement.

This workshop is designed to teach **AWS Security Consultants, Practitioners and Managed Security Service Provider (MSSP)** how to secure and manage regulated customer workloads in AWS. This hands-on class will focus on the security of an AWS customer account design (e.g. AWS CIS Foundation Benchmark), security architecture (e.g. AWS CIS 3-Tier Benchmark) and security automation leading practices. The result will enable consultants', practitioners and MSSPs to securely design, architect and implement security automation in an AWS customer account, document their security governance/audit readiness and integrate AWS security partner's solutions such as Allgress, Splunk, Evident.io, Sonian, Cloudcheckr and Barracuda to name a few...

What will I gain from attending this class?

AWS Security Consultants, Practitioners and Managed Security Service Provider (MSSP) will learn how to design, innovate and advance **Technology Governance** through automation, which will effectively dominate security governance of an AWS customer account. AWS consultants practitioners and MSSP will learn how to automate security, compliance and real-time audit assertions in an AWS customer account by leveraging technology innovations and the **Amazon Partner Network (APN)** through **Security Automation in the cloud**.

Course Objectives:

- Assimilate and leverage AWS Shared Responsibility Model, Services and Regions
- Establish secure foundational account design and/or remediation of existing customer accounts
- Configure, Manage and AWS Security Services
- Implement and design security automation services through AWS services and partner solutions
- Document, Manage, secure and audit the use of AWS services using real-time risk management processes
- Leverage the shared compliance across multiple security frameworks (e.g. CJIS, NIST, ISO, PCI, etc.)
- Learn about and leverage key security partners from the AWS Partner Network (APN)

This course is intended for:

- **AWS Security Consultants, Practitioners and Managed Security Service Provider (MSSP)** which secure, audit, govern and/or test an organization's AWS IT services.

Delivery Method

This course is delivered through a mix of:

- Instructor-Led Training (ILT)
- AWS Security and DevOPS Competency Partner Demos
- Hands-On Labs - This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises.

Modernizing Technology Governance – *Through Rigid Security Automation*

AWS Security Hands-on Workshop

Dates: October 19-20, 2016

Times: Wednesday - 9:00am – 4:00pm & Thursday – 10:00am – 4:00pm

Location: Turnberry Isle Miami, 19999 W Country Club Dr, Aventura, FL 33180

Wednesday (October 19, 2016)

Time	Activity	Presenter/Sponsor
0815 – 0900	Registration, Account Set-up and Breakfast	
Workshop Schedule		
Time	Activity	Presenter/Sponsor
0900 – 0910	Welcome	Co-Sponsor
0910 – 0930	Overview & Introductions	Tim Sandage
0930 – 1000	Module-1 Security, Compliance and Audit in AWS <ul style="list-style-type: none">• Shared Responsibility• AWS Compliance and Audit on AWS	Tim Sandage
1015 – 1045	Presentation/Demo	
1045 – 1115	Module-2 Foundation Leading Practices <ul style="list-style-type: none">• Identity and Access Management (IAM)• Logging/Monitoring (CloudTrail, Config and CloudWatch)	Tim Sandage & Brian Tracy
1130 – 1200	Presentation/Demo	
1200 – 1300	Lunch	
1300 – 1330	Presentation/Demo	
1330 – 1400	Module-3 AWS Encryption Services <ul style="list-style-type: none">• Control Framework Mapping• KMS, HSM and Encryption in the cloud	Tim Sandage
1410 – 1440	Presentation/Demo	
1440 – 1530	Hands-on Lab (AWS Foundation)	
1530 – 1600	Presentation/Demo	
After Hours Activities		
Time	Activity	Presenter/Sponsor
1600 – 1730	Cocktail Party @ Club	
1630 – 1830	9-Hole Best Ball Golf & Bocce Ball @ The resort	
1830 – 2100	Dinner @ The resort	

Modernizing Technology Governance – *Through Rigid Security Automation*

AWS Security Hands-on Workshop

Thursday (October 20, 2016)

Time	Activity	Presenter/Sponsor
0930 – 1000	Breakfast	
Workshop Schedule		
Time	Activity	Presenter/Sponsor
1000 – 1030	Presentation/Demo	
1030 – 1115	Module – 4 AWS Core Services <ul style="list-style-type: none">• Amazon Elastic Compute Cloud (EC2)• Amazon VPC	Brian Tracy
1130 – 1200	Presentation/Demo	
1200 – 1230	Module 5 - AWS Security by Design <ul style="list-style-type: none">• Modernizing Technology Governance• Security Automation	Tim Sandage
1230 – 1330	Presentation/Demo & Lunch	
1330 – 1415	Module 6 - Designing Security IN AWS <ul style="list-style-type: none">• CSIS 20 Critical Security Controls• AWS CIS Benchmarks (Foundation & 3-Tier)	Tim Sandage
1430 – 1500	Presentation/Demo	
1500 – 1545	Hands-on Lab	
1545 – 1615	AWS Managed Service Partner Overview	Barbara Kessler
1615 – 1630	Close-out, Questions and Resources	Tim and Brian
After Hours Activities		
Time	Activity	Presenter/Sponsor
1630 – 1930	Sponsored Party (Dinner & Drinks) <ul style="list-style-type: none">• Miami – South Beach	