
AWS
re:Invent
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SEC318

Scaling the possible: Digitizing the audit experience

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Agenda

Common challenges for auditing in the cloud

Digitizing the audit experience

How digital audits allow us to create scale

Mock audit using the Digital Audit Symposium

Discussion/Q&A

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Attendee question:
What are your common challenges for auditing in the cloud?

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The cloud has IT auditors drinking from the firehose



01 Increasingly complex regulatory environment

02 More audits with faster audit cycles

03 Lack of auditor cloud experience and technical knowledge

04 Manual audit process that can’t keep up with the speed of cloud

05 Resources and bandwidth for evidence collection and physical meeting with control owners

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Key features of a digital audit



Pre-audit compliance training



Digital control walkthrough videos



Access to baseline evidence



Thematic content, including a 360° virtual data center tour



Online collaboration spaces

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Common customer domain requests

MOST COMMON DOMAINS THAT AWS RECEIVES QUESTIONS ABOUT, PROMPTING THE DIGITAL AUDIT EXPERIENCE


Business continuity and contingency planning


Data security and privacy


Development and configuration management


Governance and oversight


Identity and access management


Incident management


Monitoring and logging


Network management


Personnel management and security


Physical security


Risk management


User device management


Vulnerability management

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Mock audit of AWS physical security

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Attendee question:

What are the common questions auditors ask about physical security?

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Common customer audit questions about physical security at AWS

01

How is physical access to AWS data centers approved and granted?

02

Is physical access revoked when an employee is terminated or no longer requires access?

03

Who provides CCTV service for AWS, and who can access stored CCTV records?

04

How does AWS ensure power is available to maintain operations in the event of an electrical failure?

05

What controls are in place to address environmental risks within AWS data centers?

06

What standards and techniques are used for media sanitization?

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Demo of AWS physical security audit

Pick two of the following topics

- Data center architecture and design
- Access management
- Monitoring and detection
- Data center environment management
- Colocation management
- Asset management

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Attendee question:
As a customer, what would you like to see as we build a digitized audit experience?

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Thank you!

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