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EMB030

Introducing AWS Audit Manager

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Agenda

Service introduction

Demonstration

Partners and customers

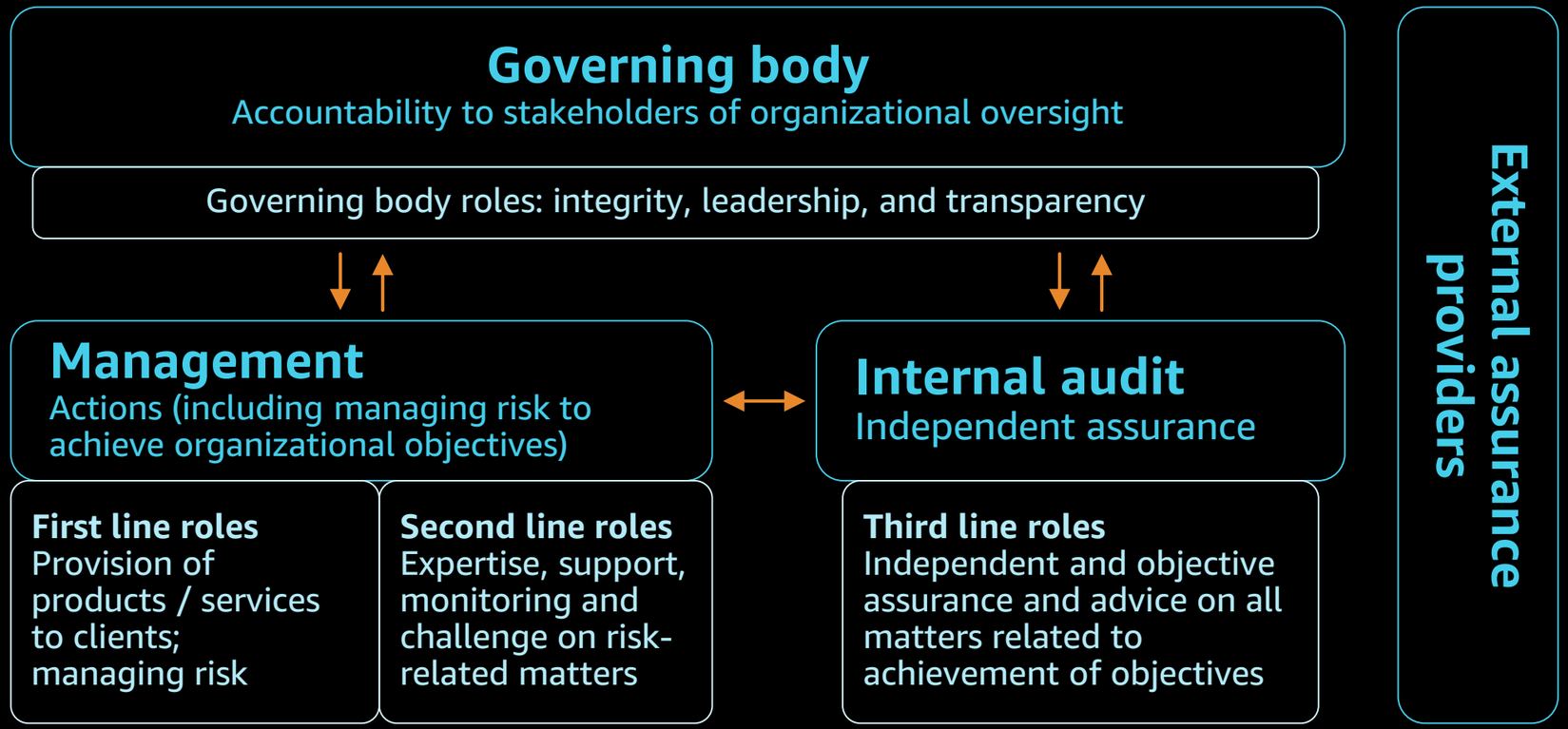
- Partner perspective – Deloitte & Touche LLP

Getting started



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Three Lines Model



Source: IIA

New risks

$6.0T

Expected cost of cybercrime damages in 2021

Source: Cybersecurity Ventures

74%

Organizations that don’t know how many digital keys and certificates they have

Source: Ponemon Institute

107

Countries with data protection / privacy legislation in place

Source: United Nations

Manual risk management processes struggle to keep pace with accelerated cloud adoption



Slow, manual processes bridge information silos



14%

Chief audit executives provide assurance on risk from disruptive innovation

Source: IAA OnRisk study

70%

Organizations will accelerate use of digital technologies by 2022

Source: IDC FutureScape 2020

Introducing AWS Audit Manager

CONTINUOUSLY AUDIT YOUR AWS USAGE TO SIMPLIFY HOW YOU ASSESS RISK AND COMPLIANCE



Enables a repeatable, nimble methodology for auditing AWS usage

Offers prebuilt, customizable frameworks to map usage to controls

Automates collection and organization of evidence across accounts

Supports collaboration between Internal Audit, GRC, and IT / SecOps

Produces assessment reports with evidence integrity checks

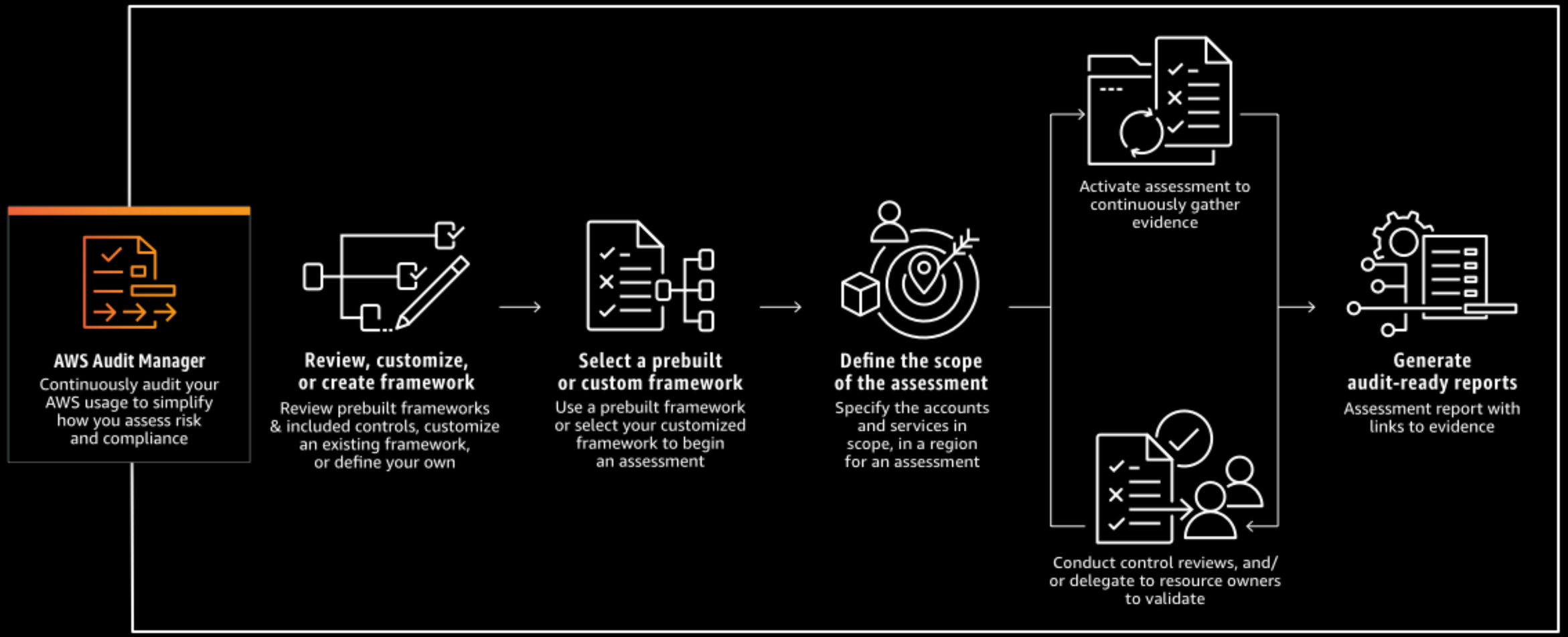
Supported assessment frameworks

INCLUDES PREBUILT ASSESSMENT FRAMEWORKS FROM AWS AND AWS PARTNERS

- Center for Internet Security (CIS) AWS Foundations Benchmark
- Payment Card Industry Data Security Standard (PCI DSS)
- General Data Protection Regulation (GDPR)
- Good practice quality guidelines (GxP)
- System and Organization Controls (SOC)
- HITRUST (previously Health Information Trust Alliance)
- Health Insurance Portability and Accountability Act (HIPAA)
- Federal Risk and Authorization Management Program (FedRAMP)
- Best practices for Amazon S3, AWS IAM, and Amazon DynamoDB
- Software licensing inventory from AWS License Manager

AWS Audit Manager also supports custom-defined controls and assessment frameworks

How AWS Audit Manager works



AWS Audit Manager demonstration



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AWS Audit Manager partners and customers



















Perspective:
Deloitte & Touche LLP



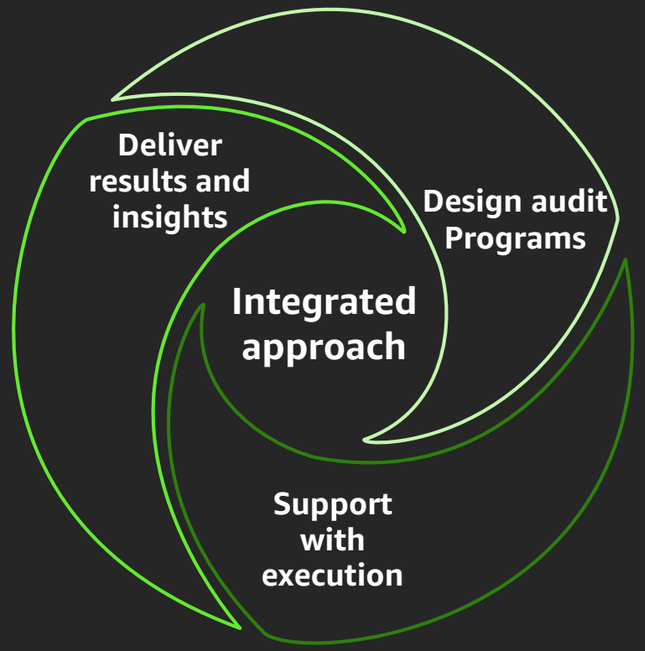
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Cloud audit: Approach

Audit / assessment approach

Cloud enables business and technology transformation; method of performing audits needs similar transformation



Need a tailored, integrated approach

Build / customize **framework** that aligns to your requirement

Use **automation** to collect evidence while maintaining integrity

Identify / collect gaps against controls and provide guidance

	Planning and scoping	Fieldwork	Reporting
Objectives	• Understand cloud environment • Define audit plan and scope • Identify stakeholders	• Define cloud audit / assessment framework • Conduct interviews and gather evidence	• Analyze evidence and find gaps • Confirm with stakeholders and define recommendations • Develop final report with observations and recommendations
Key activities	• Identify team members and stakeholders • Understand cloud environment and identify areas of focus • Develop audit plan • Create meeting agendas and initial request lists	• Leverage multiple authoritative sources to develop control framework • Obtain and review relevant policies, procedures, and other documentations • Gather evidence based on framework • Analyze evidence and find gaps vs. controls	• Review gaps against regulatory and compliance requirements • Meeting with stakeholders to confirm the gaps • Define actionable recommendations • Draft final report with executive summary, observations, recommendations, and management action plans
Leverage Audit Manager	• Select AWS accounts and resources • Select and customize assessment framework from control library	• Continuous evidence collection from sources • Manually upload evidence where automation is not feasible	• Identify gaps for configurable controls on continuous basis • Provide guidance to develop recommendations for gap remediation

Using AWS Audit Manager

	Cloud audit challenges	How does Audit Manager help?
Continuous compliance	Considering dynamic nature of the cloud, traditional point-in-time evidence collecting is not sufficient for continuous compliance	Audit Manager captures evidence in near real time, providing auditors and compliance teams a pool of ongoing evidence that can be used for continuous compliance
Single pane of glass	AWS assessments typically require review and collection of evidence from multiple systems and people; this can be challenging, and auditors could easily miss out on collecting complete evidence	Audit Manager collects evidence from multiple AWS services and presents it as collective view mapped to respective controls Audit Manager makes it easy for stakeholders to collaborate and review the evidence

Using AWS Audit Manager

	Cloud audit challenges	How does Audit Manager help?
Audit integrity	It is challenging to provide assurance of integrity of evidence captured	Evidence captured by Audit Manager are access controlled and traceable to various sources, and integrity is maintained throughout process
Assessment scoping	Scope and shared responsibility shifts based on service models within a cloud environment and becomes challenging to define applicability of controls	Audit Manager supports targeted assessments that can be scoped granularly on AWS resources that are in scope of the assessment

Getting started



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AWS Audit Manager availability

US East (Ohio)
US East (N. Virginia)
US West (N. California)
US West (Oregon)
Asia Pacific (Singapore)
Asia Pacific (Sydney)
Asia Pacific (Tokyo)
Europe (Dublin)
Europe (Frankfurt)
Europe (London)



Use AWS Audit Manager to simplify how you assess risk and compliance

Get started quickly with AWS Audit Manager in AWS Management Console

- ✓ Configure a prebuilt assessment framework to launch an assessment
- ✓ Customize assessment frameworks for your specific requirements

Thank you!



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