aws

Security

Streamline compliance reporting with Audit Manager

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Agenda

- Cloud Compliance and audit – drivers and challenges

- Continuously assess controls and collect evidence using AWS Audit Manager

- How to get started

Cloud Compliance and audit — drivers and challenges

While cloud accelerated IT processes, it amplified audit challenges

Business/Legal

Manual processes bridge the information silos

IT/Sec Ops
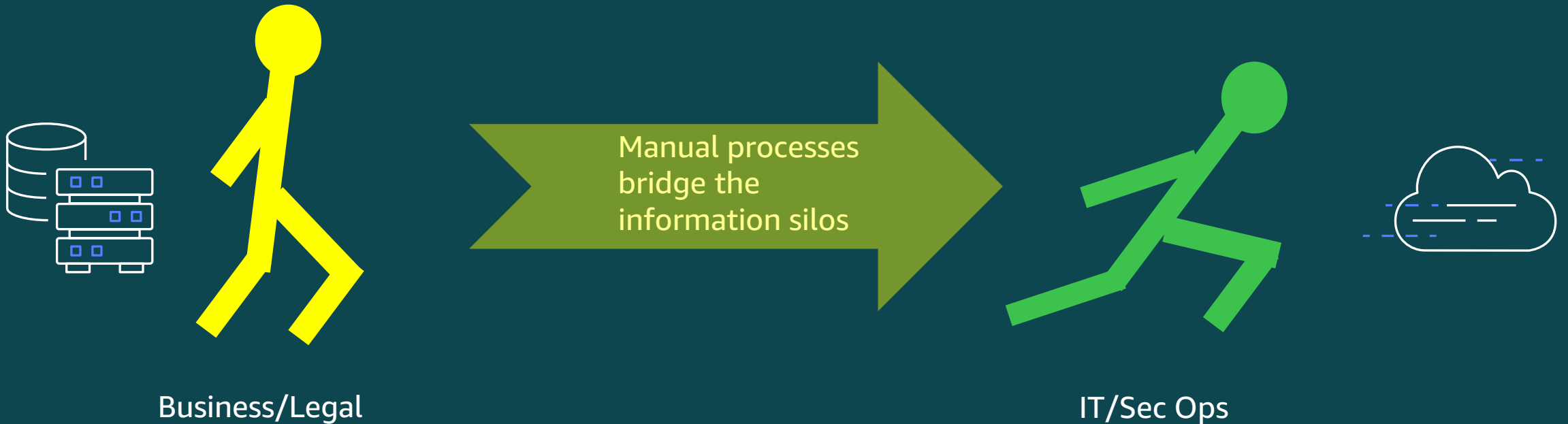
- Only 20% of 50+ customers report they have some automation to collect audit data (AWS survey)
- Most Governance, Risk, and Compliance teams spend up to 60% of their time just collecting data (AWS Survey)
- Only 14% of Chief Audit Executives say they provide assurance on risk from disruptive innovation (IIA OnRisk Study)

Cloud compliance and audit – drivers and challenges

Dynamic landscape

Volume, variety & velocity

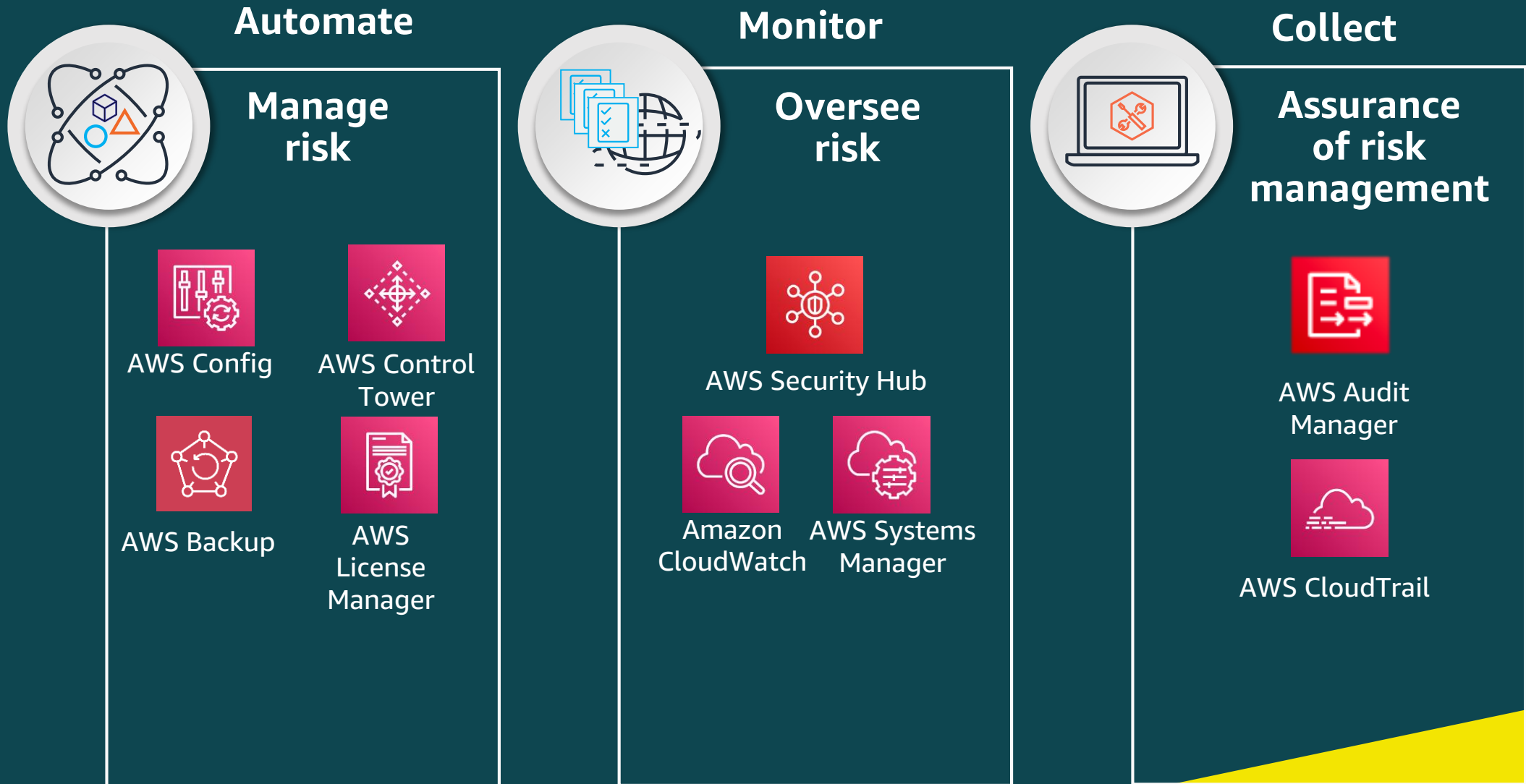Manual nature of the audit

Global/ geographic

Different compliance and security needs

Familiarity with the cloud

Mapping AWS capabilities
The 3 lines of defense

Automate

Manage risk

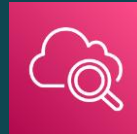AWS Config

AWS Control Tower

AWS Backup

AWS License Manager

Monitor

Oversee risk

AWS Security Hub
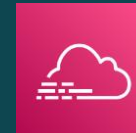
Amazon CloudWatch

AWS Systems Manager

Collect

Assurance of risk management

AWS Audit Manager

AWS CloudTrail

Streamlining compliance reporting

Continuously assess controls and collect evidence

What is AWS Audit Manager?

Service to continuously audit your AWS usage

Enables internal audit & governance, risk, and compliance (GRC) teams

Offers pre-built, customizable frameworks to map usage to controls

Automates collection & organization of evidence across accounts

Enables delegation, comments, control status updates, and notifications to help collaborate across teams
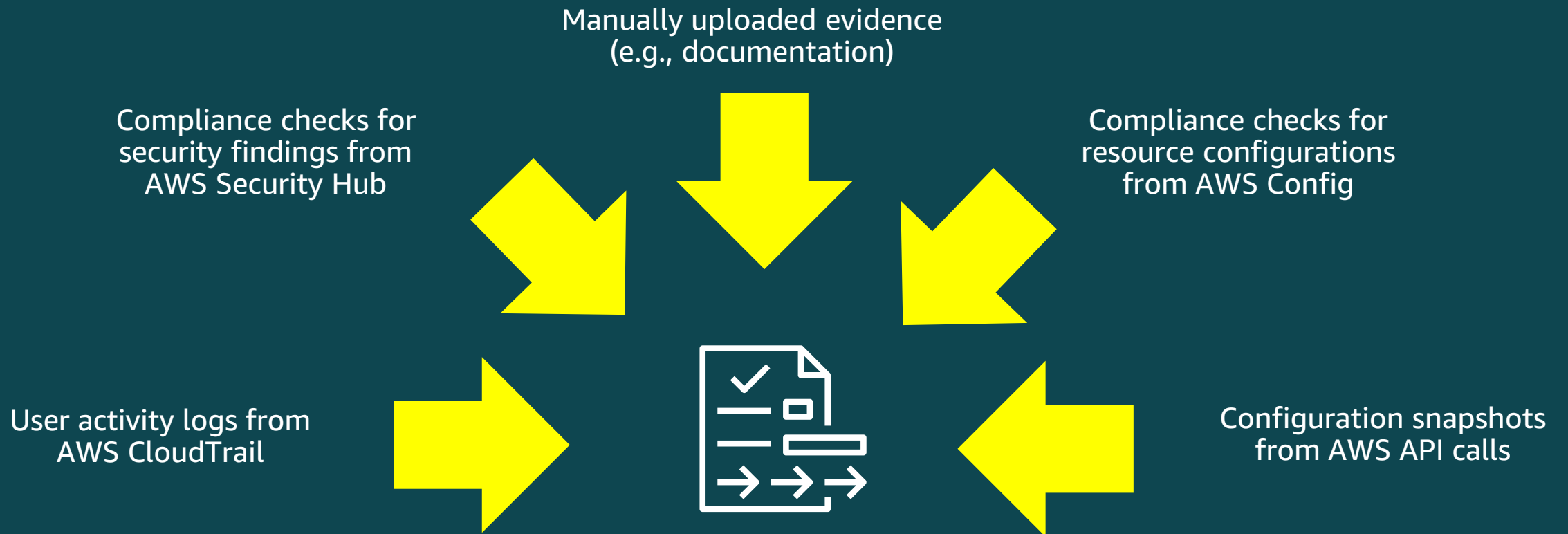
Produces assessment reports with evidence integrity checks

AWS Audit Manager frameworks

- Includes pre-built assessment frameworks from AWS and AWS Partners

  - **NIST 800-53 (Rev. 5)** (Low-Moderate-High) * new

  - **CIS** (Center for Internet Security) Foundations Benchmark & CIS Controls v7.1

  - **PCI DSS** (Payment Card Industry Data Security Standard)

  - **GDPR** (General Data Protection Regulation)

  - **GxP** (Good Practice Quality Guidelines)

  - **HITRUST** (Health Information Trust Alliance)

  - **HIPAA** (Health Insurance Portability & Accountability Act)

  - **FedRAMP** moderate (Federal Risk & Authorization Management Program)

  - **SOC2** (Service & Organization Controls)

  - AWS Audit Manager Sample Framework

  - AWS Operational Best Practices (for Amazon S3, AWS IAM, and Amazon DynamoDB)

  - AWS Control Tower Framework

  - Software Licensing

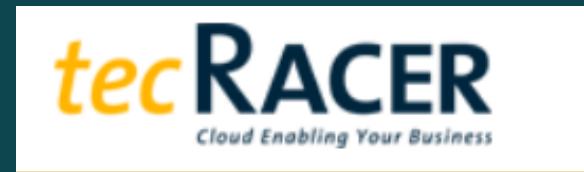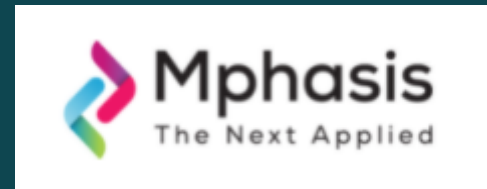> Audit Manager supports custom-defined controls and compliance frameworks

AWS Audit Manager evidence sources

Manually uploaded evidence
(e.g., documentation)

Compliance checks for
security findings from
AWS Security Hub

Compliance checks for
resource configurations
from AWS Config

User activity logs from
AWS CloudTrail

Configuration snapshots
from AWS API calls

Demo

AWS Audit Manager Partner ecosystem

Getting started

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 requirement

Take advantage of the free trial (subject to a limit) for the first two months

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Thank you!