

Cloud Compliance and Assurance

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Agenda

- Challenges with Cloud Compliance and Assurance
- The 3 lines of defense
- AWS Services that enable compliance
- Key Takeaways

Cloud compliance and assurance: Challenges

Overcoming challenges to enable business outcomes



Dynamic
landscape



Volume,
variety, and
velocity



Pace of
innovation



Global/
geographic



Different
compliance and
security needs



Familiarity
with cloud

Which one do I use for compliance?

Wide **range** of AWS capabilities



Mapping AWS capabilities

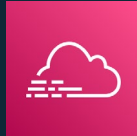
The 3 lines of defense



Manage risk



AWS Config



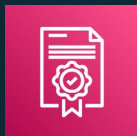
AWS CloudTrail



AWS Systems
Manager



AWS Control
Tower



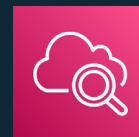
AWS License
Manager



Oversee risk



AWS Security
Hub



Amazon CloudWatch



Assurance of risk management



AWS Audit
Manager

Manage risk – AWS Config

Automate compliance management



Identify

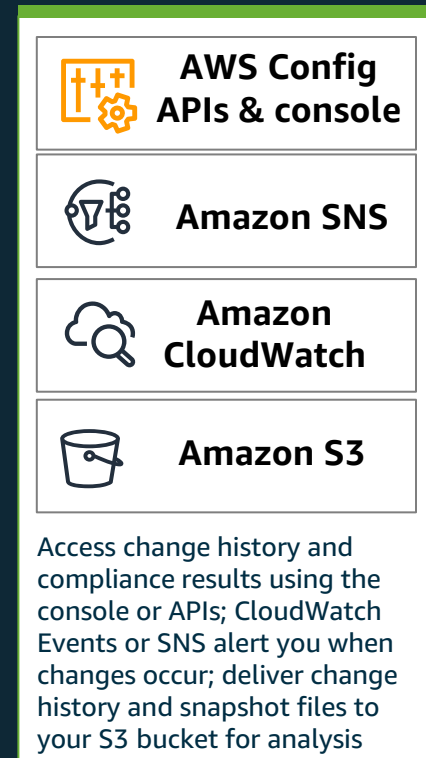
Identify control objectives across standards and regulations



Configuration change occurs in your AWS resources

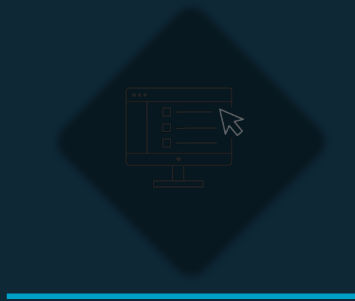


AWS Config automatically evaluates the recorded configurations against the configurations you specify



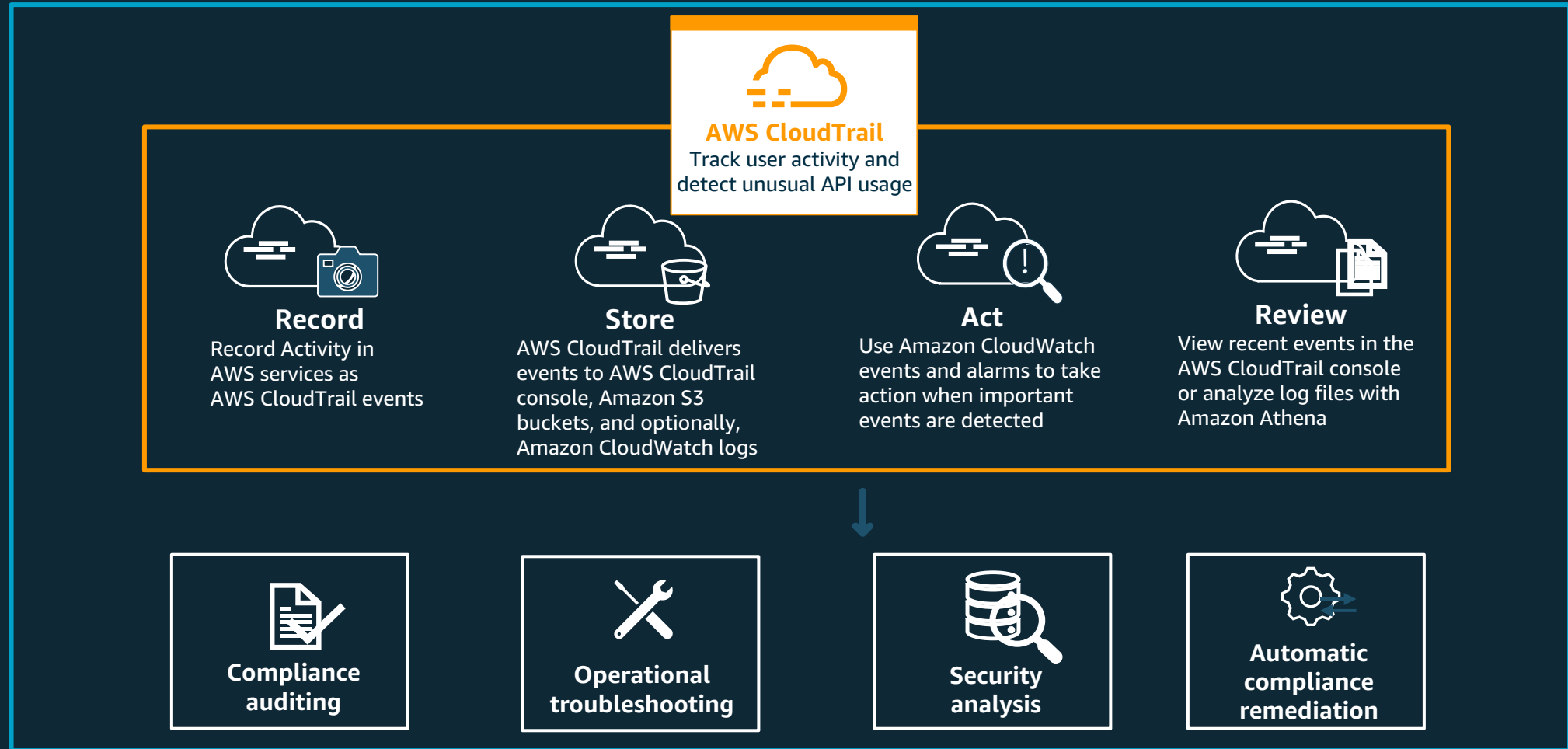
Manage risk – AWS CloudTrail

Automate compliance management



Design

Control design
and control
evaluation



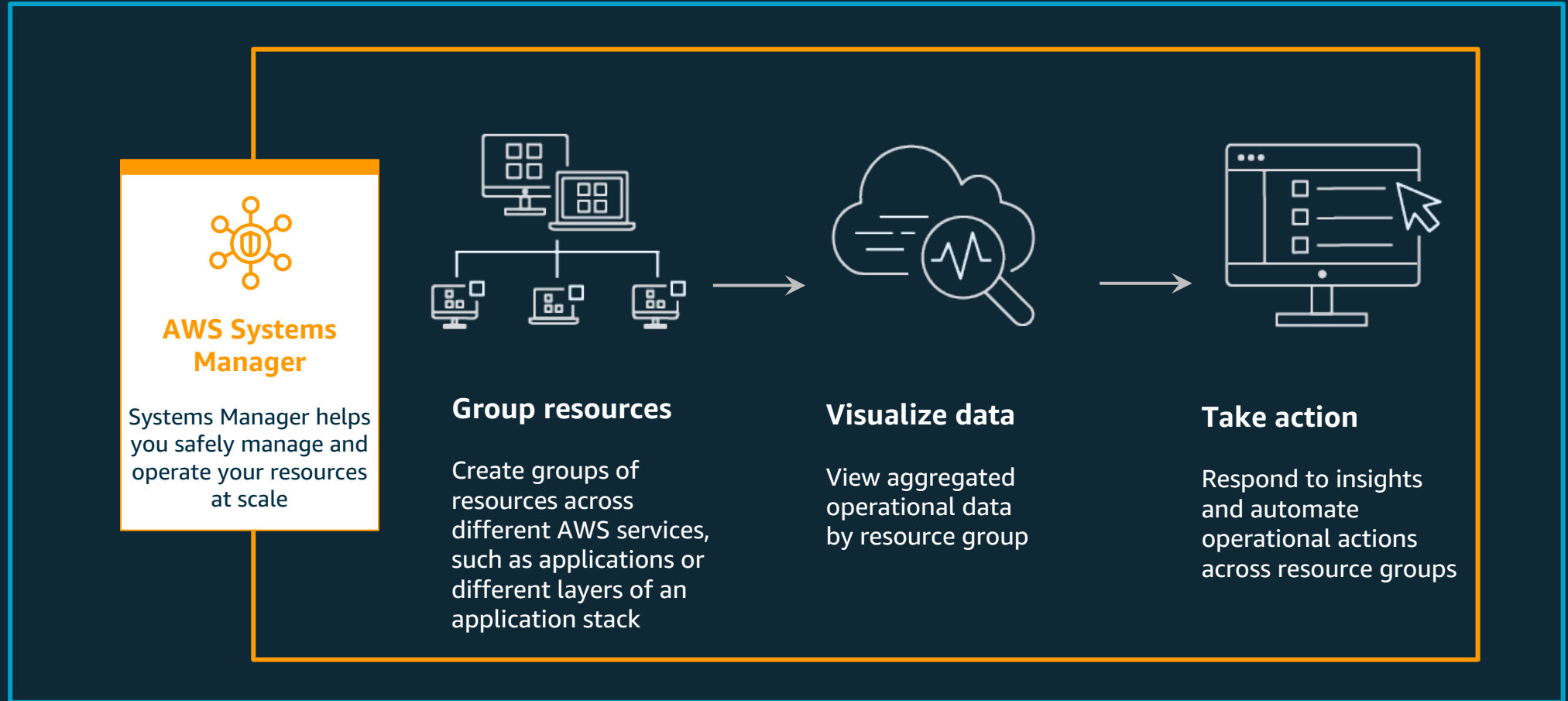
Manage risk – AWS Systems Manager

Automate compliance management



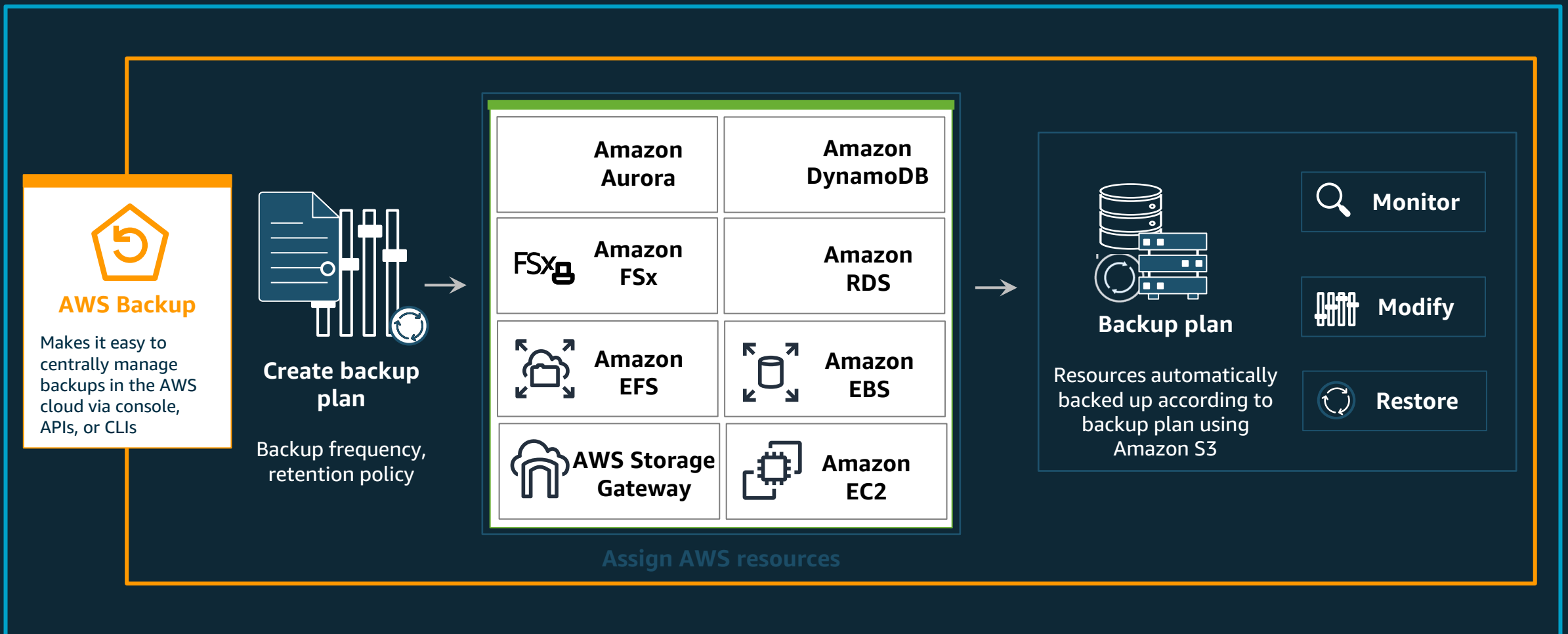
Design

Control design
and control
evaluation



AWS Backup

Design, monitor, and assess your data compliance needs



Demo – Automating compliance management

Oversee risk – Security Hub

Implement continuous oversight and monitor risk




Monitor

Control effectiveness monitoring



AWS Security Hub
Quickly assess your high-priority security alerts and security posture across AWS accounts in one comprehensive view

 Amazon GuardDuty	 Amazon Macie
 Amazon Inspector	 AWS Firewall Manager
 IAM Access Analyzer	Integrated partner solutions

Continuously aggregate and prioritize
Findings from AWS and partner security services highlight emerging trends or possible issues



Conduct automated security checks
Use industry standards such as the CIS AWS Foundation Benchmark and PCI DSS



Take action
Investigate findings and/or take response and remediation actions

Demo – Continuous oversight of risk

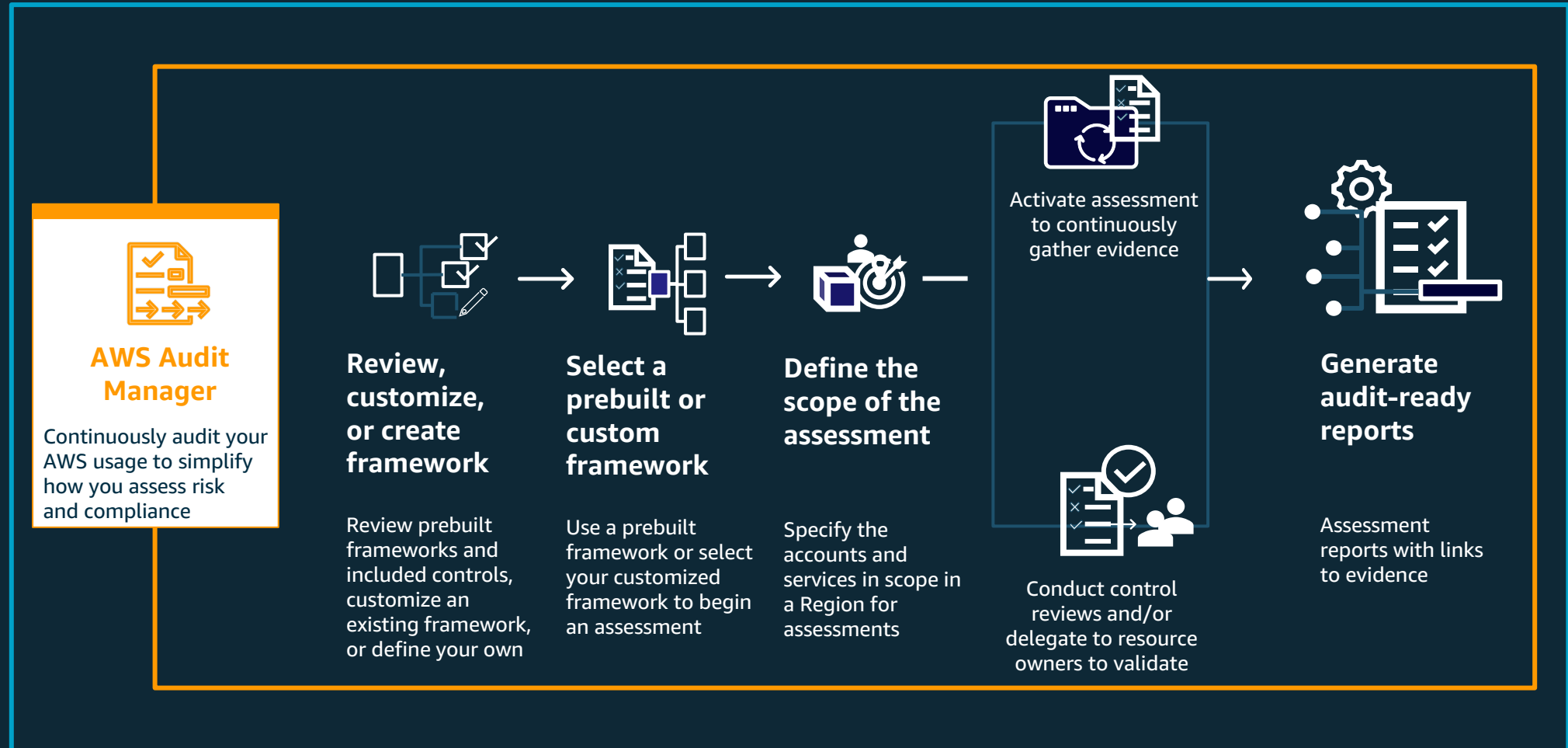
Assurance of risk management – Audit Manager

Assess, gather evidence, and independently verify



Assess

Control effectiveness assessment



Demo – Assurance of risk management

Key takeaways

01

3 lines of defense

Helps you identify the right AWS service(s) for the right job

02

Data protection is key for operational resiliency

You can operate with greater safety, ease, and efficiency with automated data protection

03

“Art of the possible”

AWS offers wide range of capabilities to help simplify cloud compliance and assurance

Next steps

01

Dive deep

02

Browse the blog

03

Talk to your account team

Thank you!