



# AWS Config

Discover, assess, audit, and remediate

Matias Dieguez

Solutions Architect

Amazon Web Services

# Agenda

- ✓ Challenges
- ✓ Customer needs
- ✓ Cloud compliance and assurance
- ✓ Use cases
- ✓ Customer stories
- ✓ Getting started & Learn more
- ✓ Recent launches



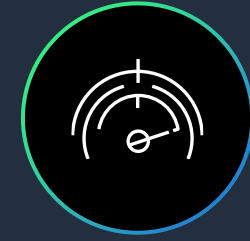
# Market challenges



Dynamic  
landscape



Global  
geography



Familiarity  
with the cloud



Volume, variety,  
and velocity

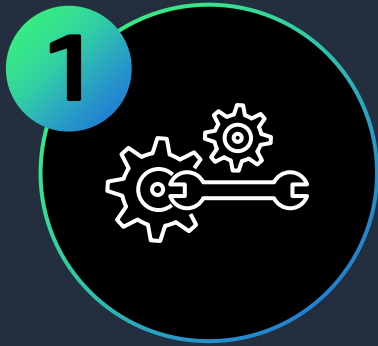


Pace of  
innovation

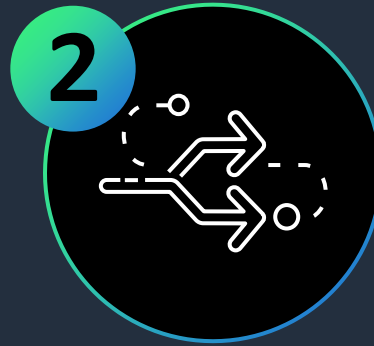


Different compliance  
and security needs

# Key customer needs



Managing resource inventory



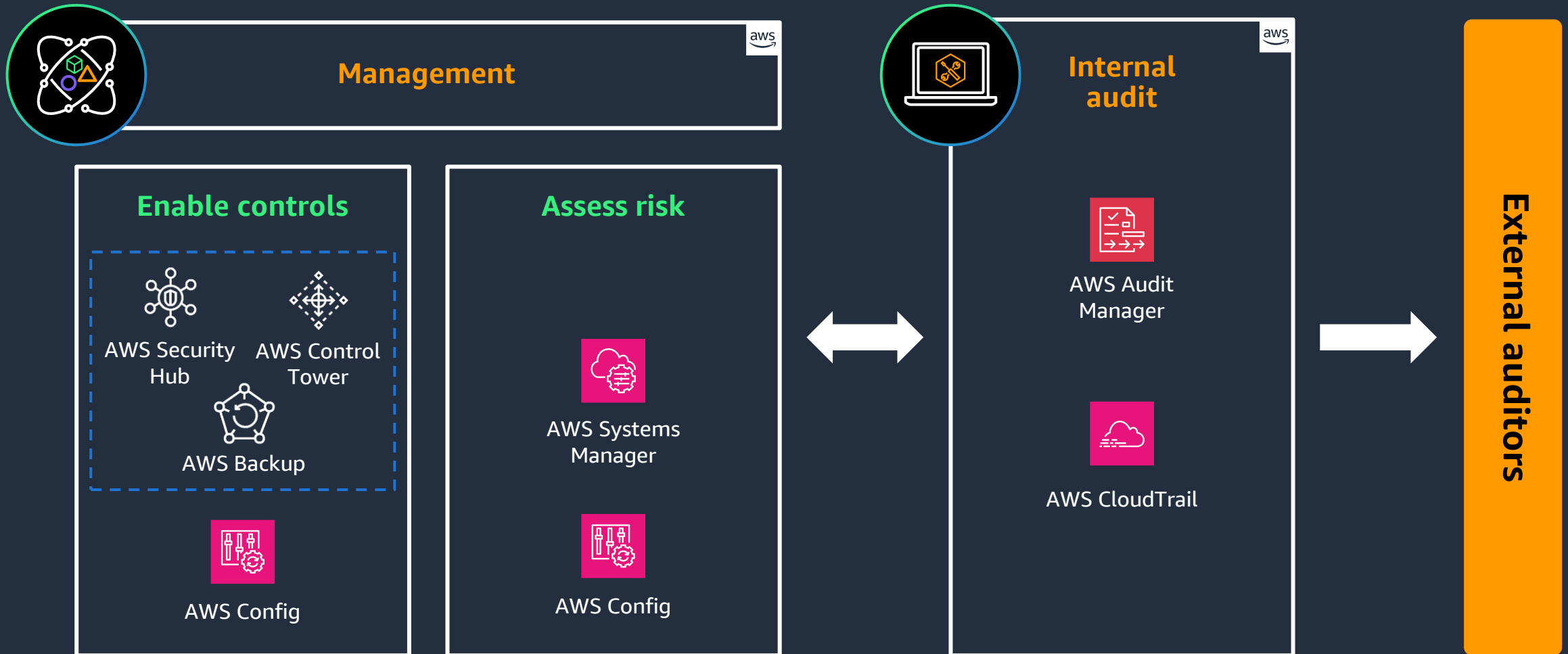
Evaluating resource  
compliance quickly and at  
scale



Reducing manual effort  
for remediations

# How AWS enables cloud governance and compliance

## THE IIA'S THREE LINES MODEL



IIA = Institute of Internal Auditors

# Use cases



## Troubleshoot & remediate

Record the configuration changes to your resources (on AWS, on premises, and on other clouds) over time. Visualizing configuration history provided can help you quickly identify the root cause of issues. Remediate noncompliant resources, evaluated by rules, using AWS Systems Manager Automation documents



## Compliance & auditing

Continuously monitor your resources for compliance with internal policies and receive alerts when resources fall out of compliance.

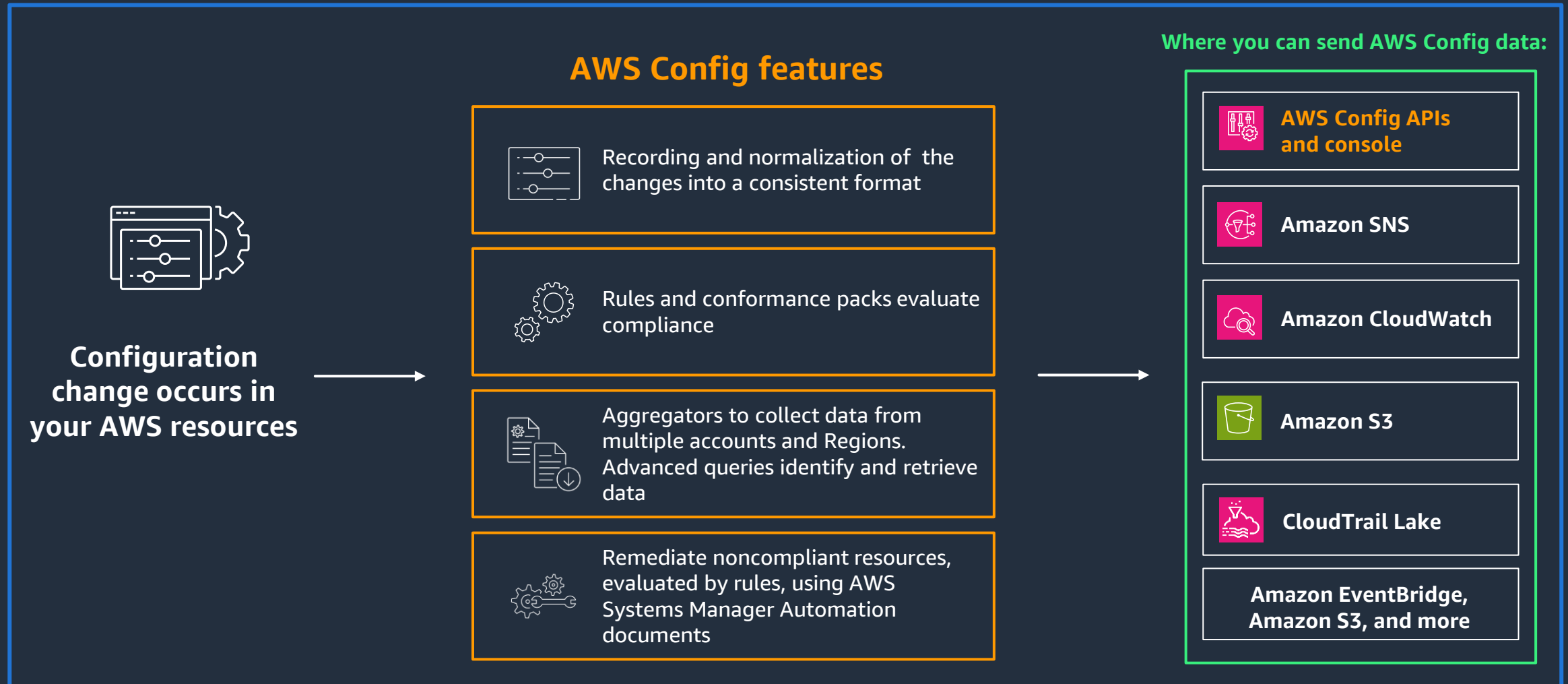


## Resource Inventory

Discover and maintain an inventory of all the AWS resources in your account, including their relationships and configurations.

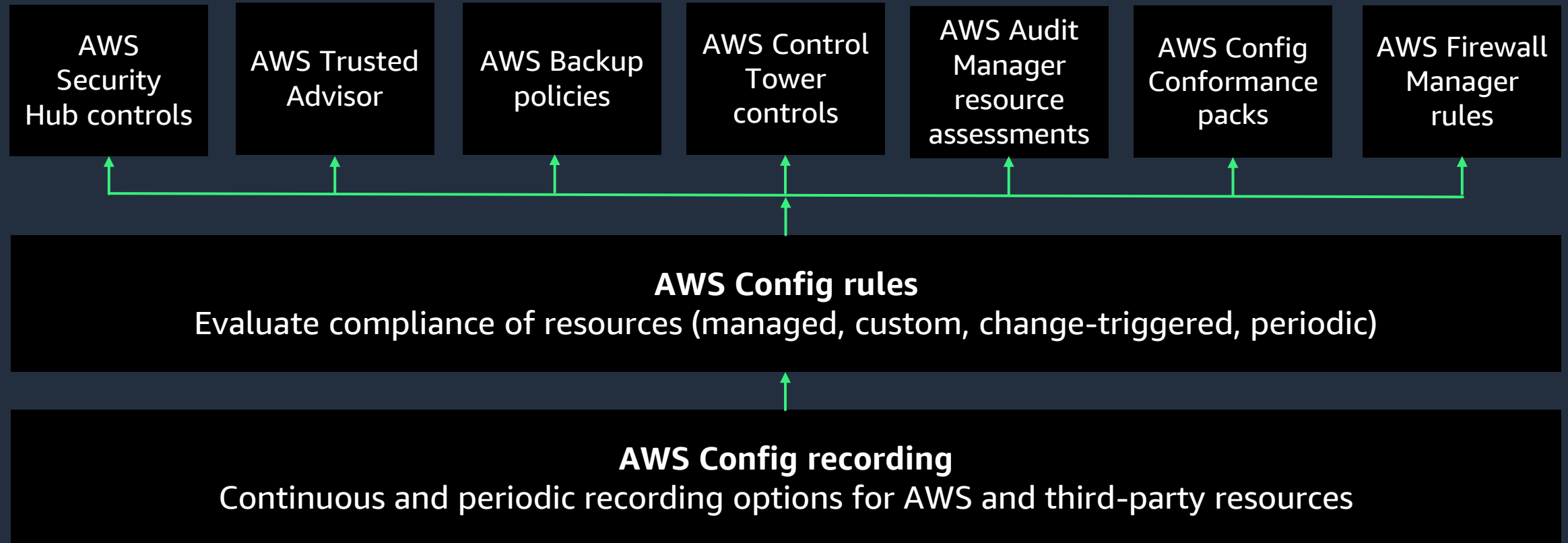
# AWS Config

DISCOVER, ASSESS, AUDIT, AND REMEDIATE



# AWS Config

## CORE FOR COMPLIANCE EVALUATIONS





# Improving security and gaining project visibility



## CHALLENGE

Meta is a multinational technology conglomerate. In April 2020, Meta created its Cloud Foundation team with a goal of providing service and product developers with a consistent experience whether developing on internal infrastructure or on AWS. Meta started its AWS journey while it worked to standardize purposeful security for developers regardless of their workloads.

## SOLUTION

Meta uses AWS Config rules to detect vulnerable configurations for resources in the cloud. With security baked in, the company can focus its efforts on using AWS services alongside its own infrastructure.

## OUTCOME

- ✓ The Cloud Foundation team at Meta solves access management, threat detection, and bug detection for its users, saving time for developers and costs for the company. By also using Right Sizing, the process of matching instance types and sizes to workload performance and capacity requirements at the lowest possible cost, at the time of this case study, Meta was saving at least \$1 million per year.

# Confirming compliance before migrating to the cloud



## CHALLENGE

Bank Pocztowy is a leading Polish retail bank serving retail customers, small businesses, and housing cooperatives. Seeking to enhance its agility, Bank Pocztowy sought to migrate its on-premises infrastructure to the cloud. This migration necessitated adherence to the rigorous regulations stipulated by the Polish Financial Supervision Authority, as well as meeting Bank Pocztowy's own exacting standards for security, availability, and performance.

## SOLUTION

Bank Pocztowy adopted AWS Config to assess changes made to its cloud environment and determine whether changes meet its strict compliance requirements. If the solution detects any gaps in compliance, Bank Pocztowy can immediately launch remediation actions.

## OUTCOME

- ✓ Using AWS Config, "We are confident that we can meet the key regulatory requirements on AWS and that we can benefit from automating maintenance tasks on the cloud. And thanks to that confirmation, we have confidently made the decision to migrate." Jacek Presz, Director of the IT Management Bureau, Bank Pocztowy

# Getting started

01

## Dive deep

Learn more about AWS Config and other services that enable compliance in the cloud



02

## Browse the blog

Follow the latest news and how-to articles on the AWS News Blog



03

## Talk to a Cloud Ops specialist

Understand and assess how AWS can help you achieve your goals



# Learn more about AWS Config

## Learn



Getting Started  
With AWS Config  
training course



Build with AWS  
Config: Enabling  
Security Controls  
training course

# AWS Config recent launches



AWS Config conformance packs now available in additional AWS Regions



AWS Config expands support for 124 resource types across 29 AWS Regions



AWS Config simplifies usage analysis with Amazon CloudWatch metrics





# Thank you!

Matias Dieguez  
Solutions Architect  
Amazon Web Services