
AWS
re:Invent

SEC302

Achieve compliance as code using AWS Config

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Agenda

Introduction: compliance as code

AWS Config and conformance packs

Integration with IT service management (ITSM) tools

Demo – Art of Possible



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Poll

How many of you are using AWS Config?

How many of you are using ITSM tools for incident management?

How many of you manage compliance of your workloads?

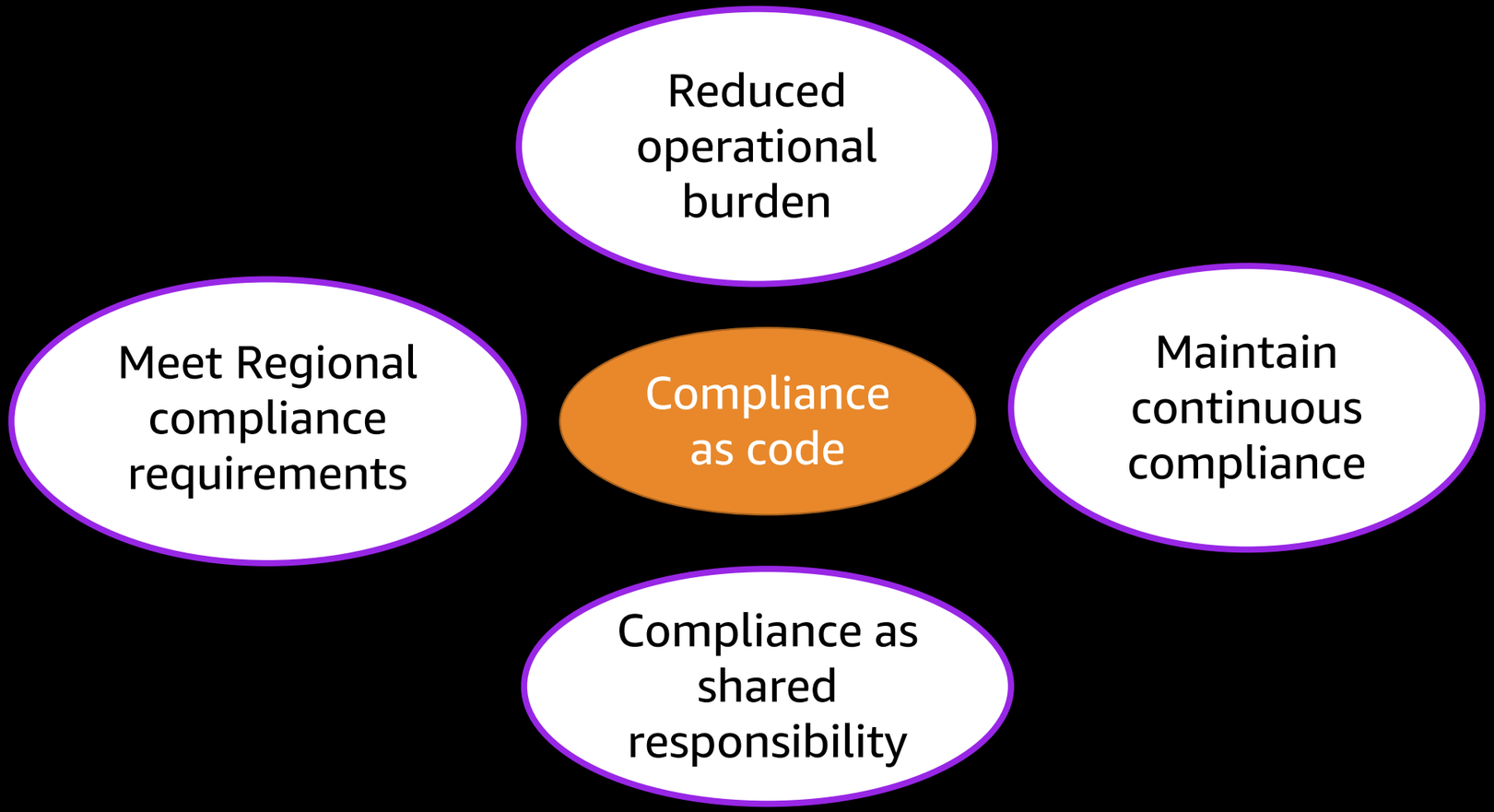
Introduction



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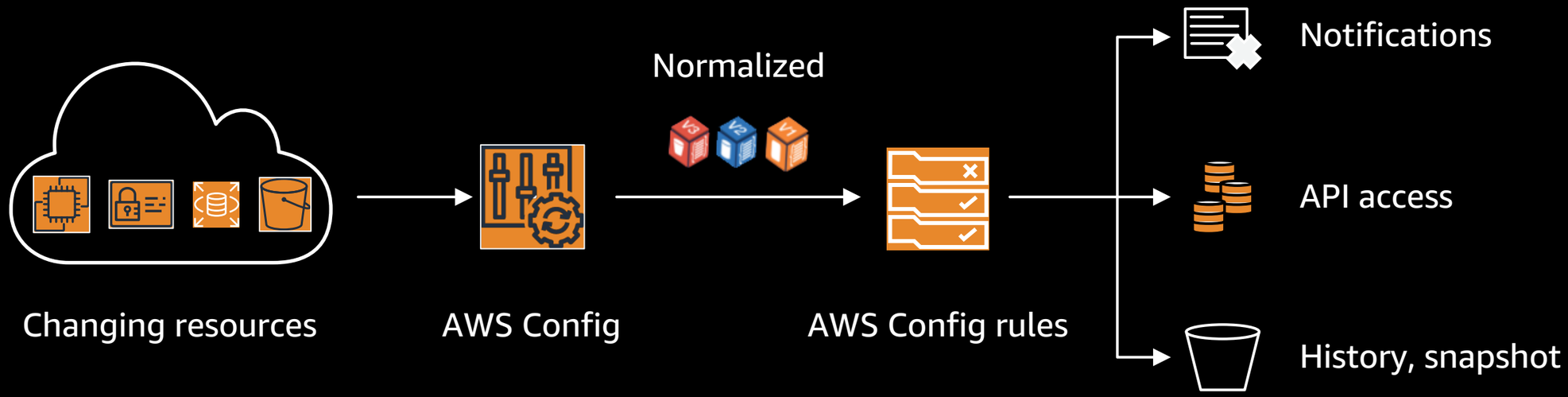
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Why compliance as code?

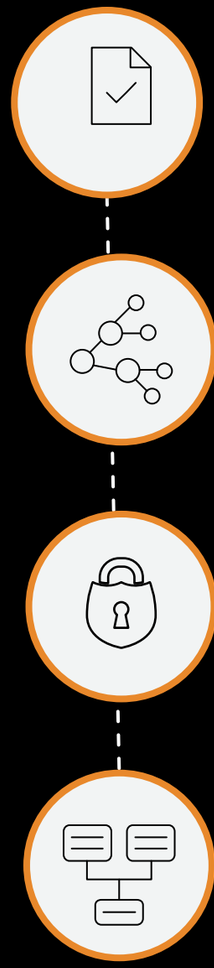


AWS Config – continuous configuration auditor

- ✓ Tracks configuration changes and maintains a history (up to 7 years)
- ✓ Evaluates configuration changes against compliance policies
- ✓ Integrates with your own ITSM / configuration management databases (CMDBs) (such as ServiceNow, Jira Service Desk)



Common use cases



Audit and compliance

Maintain a history of all configuration changes for audits

Verify configuration changes do not violate policies

Operational governance

DevOps compliance (e.g., evaluate CI / CD pipeline configuration)

Cost optimization (e.g., terminate unused resources)

Security intelligence

Security incident / breach analysis

Identifying unencrypted resources

Integration with ITSM / CMDB

Integration with asset / inventory management systems

Change management, incident management

Conformance packs

- A compliance framework – to package a set of AWS Config rules and remediation actions
- Create immutable rules, i.e., the rules cannot be modified by the individual member accounts
- Sample conformance pack templates available for PCI-DSS, AWS best practices (Amazon Simple Storage Service (Amazon S3), Amazon DynamoDB, and AWS Identity and Access Management (IAM))

Need for ITSM tool

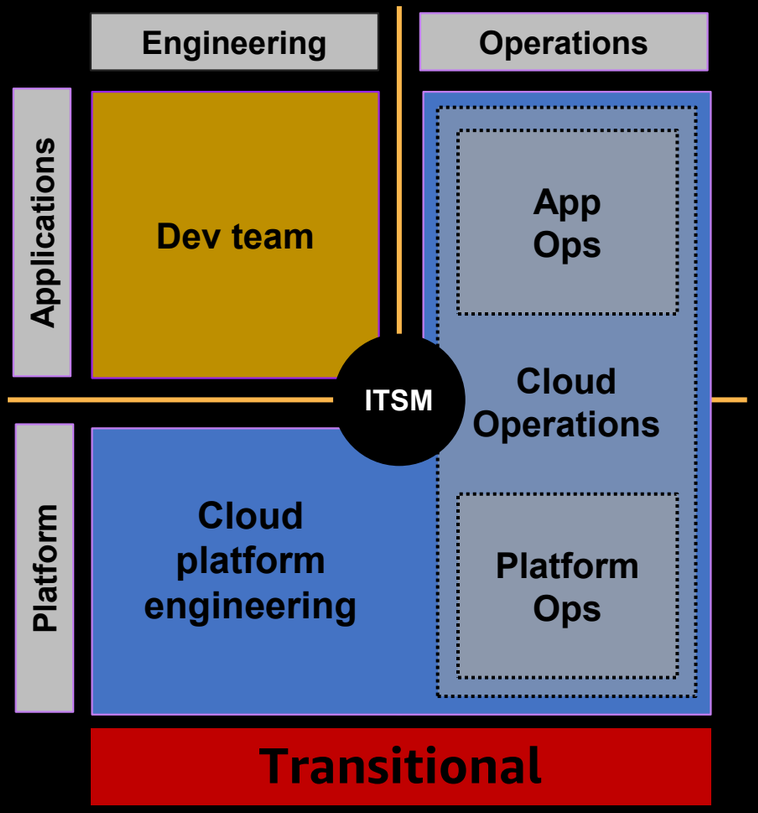
- Efficient management of resources across cross platform, hybrid, and other environments
- Single control plane to monitor compliance
- Self-service / provision, govern, and notify

Usage of ITSMs in operating models



Sustain

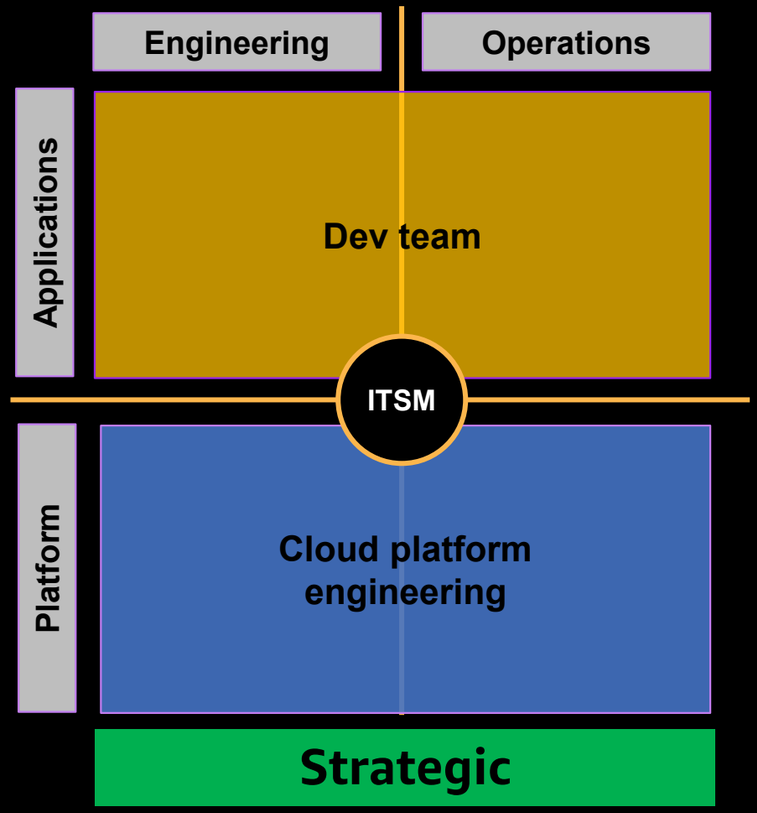
"Traditional Ops"





Optimize

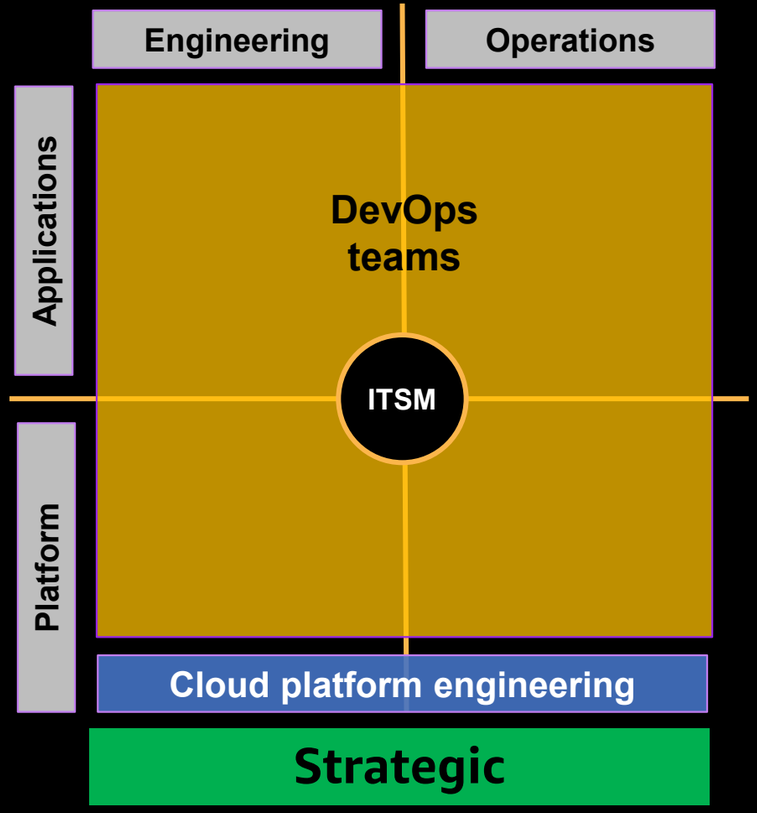
"CloudOps"



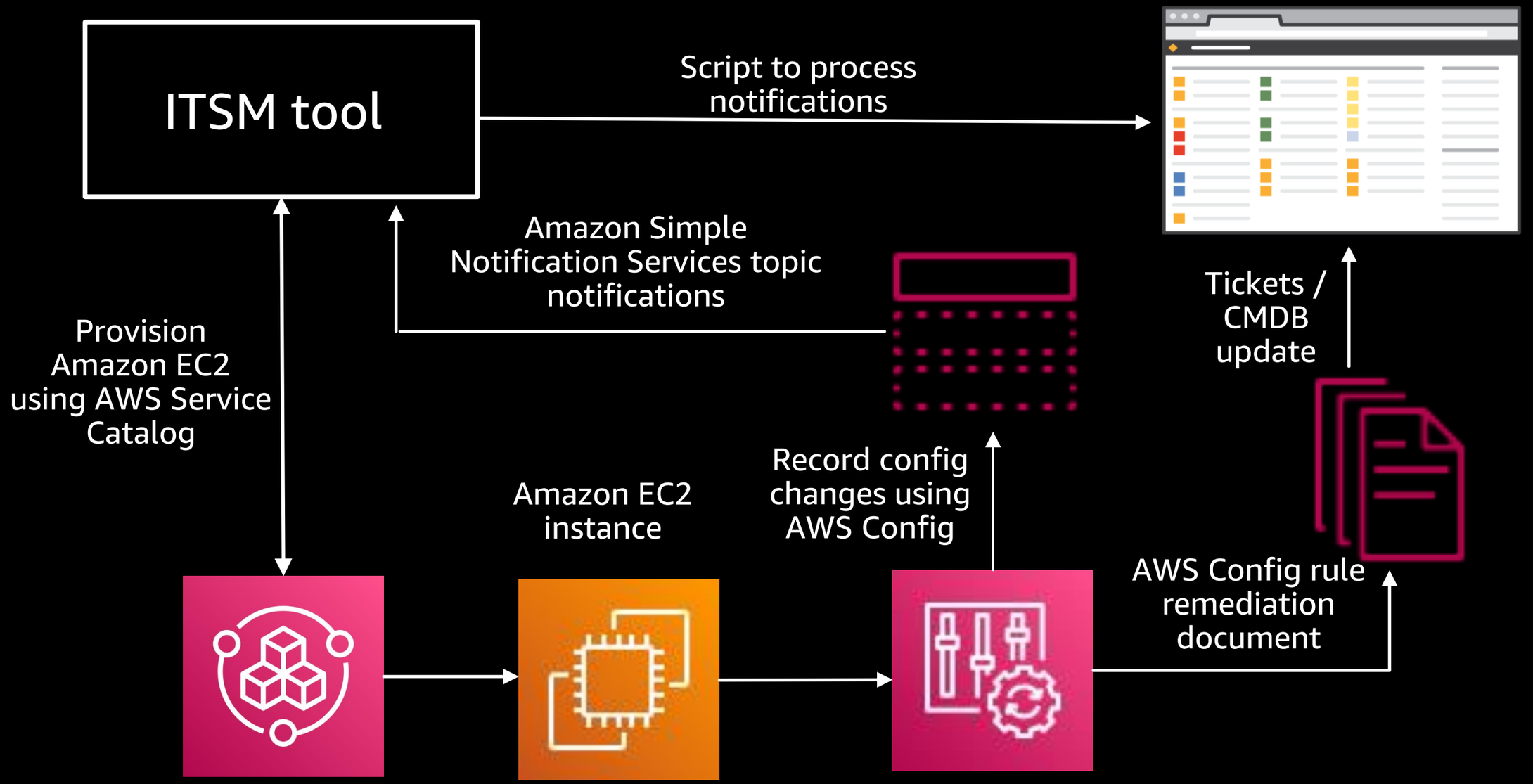


Grow

"DevOps"



AWS Config integration with ITSM tool



Summary

- Why compliance as code
- Accelerate with AWS Config and conformance packs
- Address customer use cases involving ITSM Tools
- Extend Demo for other use cases

Call to action

- Speak to your AWS Account Manager, Solutions Architect, or Professional Services team about AWS compliance management
- Factor ITSM integration with AWS services into your thinking next time you face a compliance challenge
- Read AWS Management and Governance blogs. Blogs to start with
  - How to install and configure the AWS Service Management Connector for ServiceNow
  - Auto-populate instance details by integrating AWS Config with your ServiceNow CMDB

Thank you!



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