

AWS Control Tower centrally manage multi-account environment

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AGENDA

LANDING ZONE
using
AWS Control Tower

MULTIPLE ACCOUNTS
governance and
segmentation

SECURITY
across whole AWS
infrastructure

O4 DEMO
AWS Control Tower first steps and setup



O1 LANDING ZONE

using AWS Control Tower

What you expect from AWS services?



BUILD - focus on what matters



MOVE FAST - from idea to production



STAY SECURE - easily without thinking



What do you need to achieve?



SECURE & COMPLIANT

Meet organisation or audit requirements



SCALABLE & RESILIENT

Support highly-available and scalable workload



ADAPTABLE

You never know what business needs:)



KISS

Keep it stupid simple



AWS Landing Zone



Secure and Scalable multi-account AWS infrastructure



Based on AWS best practices, tested by thousands



Starting point for new development, experiments, migrations,...



One AWS account is not enough?



Centrally managed and simple auditability



MULTIPLE TEAMS

Separation of work and responsibility



Account does not share anything with another one



COST MANAGEMENT

Know how much each team, environment, app etc. is spending





"AWS Control Tower provides the easiest way to set up and govern a secure, multi-account AWS environment, called a landing zone."

-AWS



AWSCONTROLTOWER

1

CT creates the basic environment

3

Automatically create compliant accounts





Define security standards and segmentation



4

Monitor dashboards and notifications



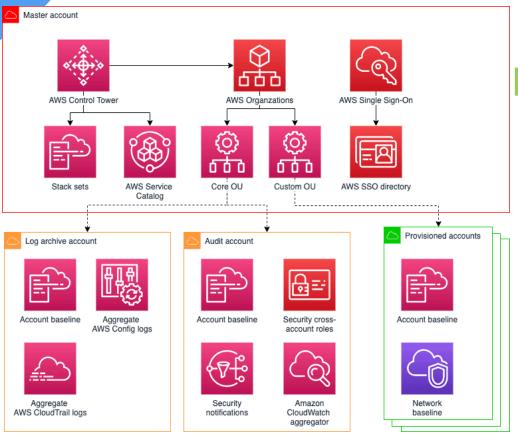
What CT Service does for me?

- Prepares landing zone based on AWS best practices
 - Core account structure Master, Log Archive a Audit
 - Single-sign-on
 - Centralized CloudTrail a Config logging to Log Archive account
 - Auditability acros whole infrastructure
- Prepared set of guardrails
- Prepared Account Factory
- Control Tower Dashboards
- Monitoring and Notifications



O2 MULTIPLE ACCOUNTS

governance and segmentation



Control Tower basic structure



Control Tower Root OU Policy B Policy A Core OU Sandbox OU Development OU Staging OU Production OU Audit User 1 Project X Project X Project X Log Archive User N Project Y

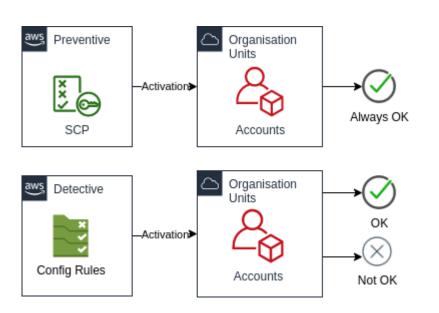
Control Tower OU structure



O3 SECURITY

across whole AWS infrastructure

Guardrails



- Preconfigured rules in plain english
- Applicated on OU level
- Preventive
 - Block and limit functionality
 - Defined using SCP (service control policy)
- Detective
 - Notify or fix functionality
 - Defined using AWS Config rules



Guardrails Examples

- Require MFA for root user
- Blocks public access to AWS S3 Bucket
- Requires encryption of all EBS volumes
- Block deletion of audit logs
- Blocks internet access to SSH port
- Detects whether versioning is enabled in S3 buckets



Key Security Services

	AWS CloudTrail	Tracking of all AWS activity (WEB, CLI, API,)
	AWS Config	Comparing configuration with a set of rules
***	AWS Security Hub	Central dashboard of security and compliance
((AWS GuardDuty	Detect threads by analyzing network, dns, cloudtrail logs
	AWS Inspector	Analyse application security
(D)	AWS Firewall Manager	Centrally manage AWS firewalls



AWS Security Hub



AWS Security Hub

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





Conduct automated security checks

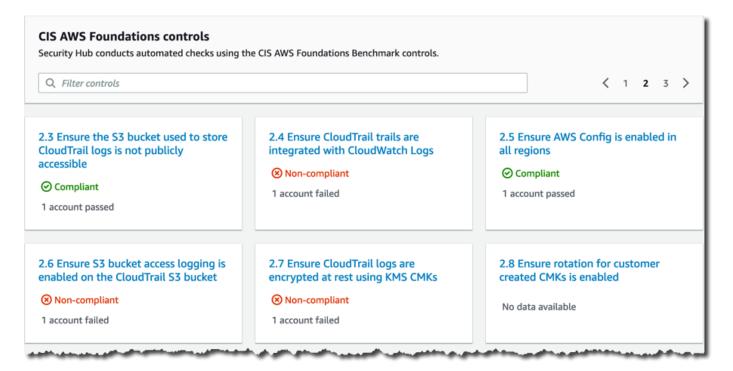
Use industry standards such as the CIS AWS Foundations Benchmark and PCI DSS



Take action

Investigate findings and/or take response and remediation actions

AWS Security Hub





O4 DEMO

AWS Control Tower - first steps and setup



Thank you for you attention



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