

# About me

**Solution Architect**  
**AWS User Group Organizer**  
**5 years using AWS**



mobiquity

# Agenda

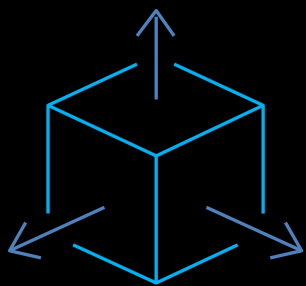
- **Control Tower**
- **AWS Landing Zone**

# How I build and implement Landing Zone?

- **Additional product and services, there there's plenty of design decisions:**
- **How many accounts should I create?**
- **which would my network topology look like?**
- **How many services don't launch?**
- **what are my security, governance and baselines?**
- **And how do I deploy that in a way?**



Speed and easy way



Scalability

## HOW WE WORK



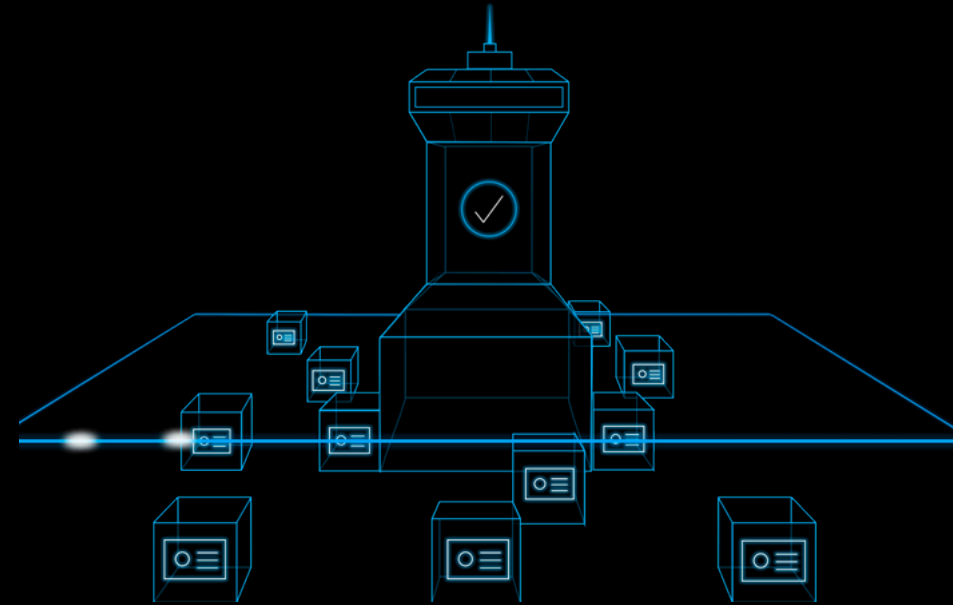
Hight Availability



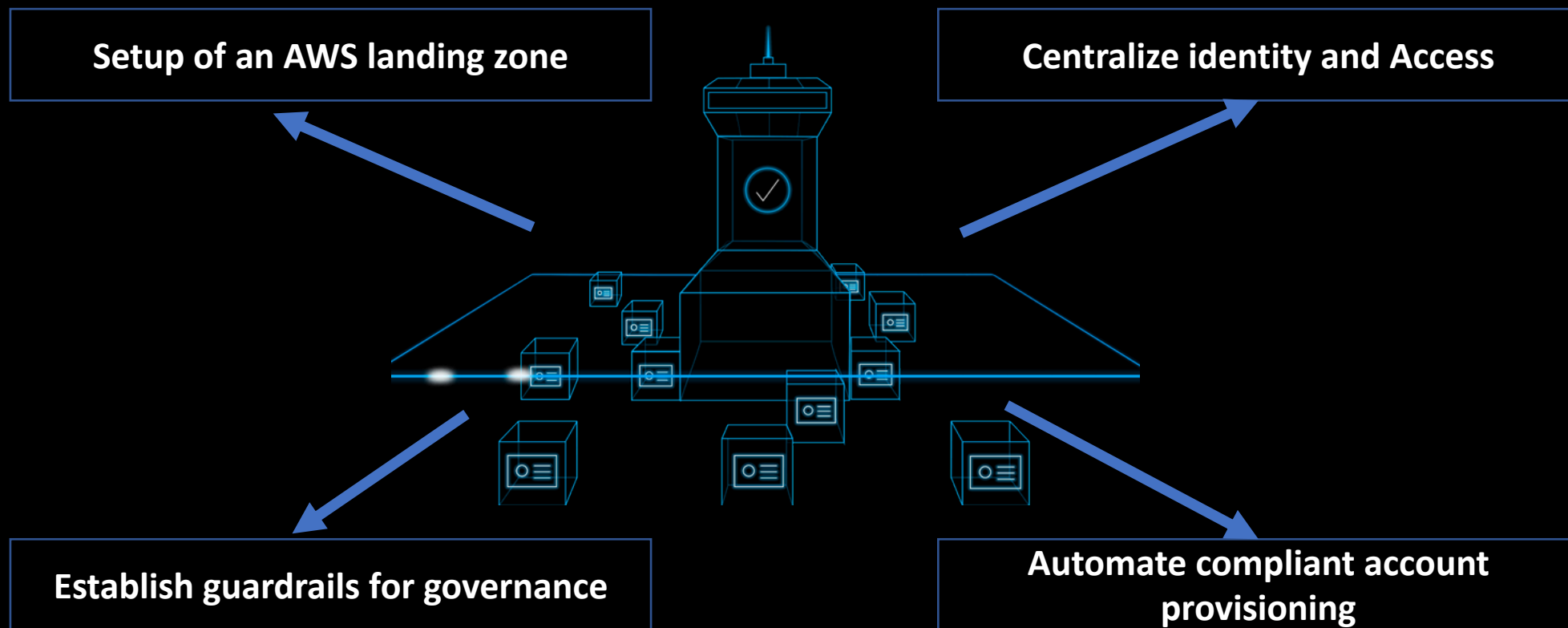
Security

# What Control Tower do?

- Quickly setup and configure a new AWS environment
- Automate ongoing policy management



# Control Tower

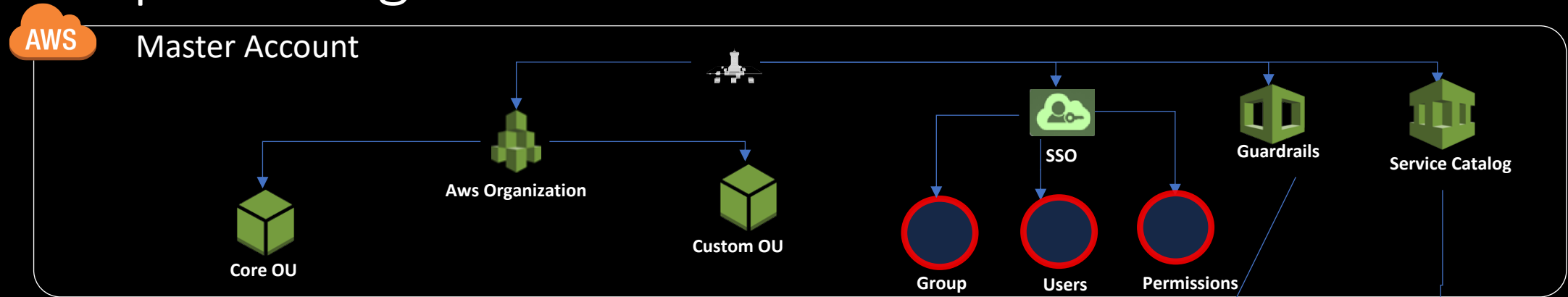


# What AWS Landing Zone do?

- Setup, in a secure, scalable, multi-account AWS environment based on AWS best practices
- A starting point for net new development and experimentation
- A starting point for customers' application migration journey
- An environment that allows for iteration and extension over time

# Setup Landing Zone

default  
Custom  
Both



[Disallow public read access to log archive](#)

[Enable CloudTrail in all available regions](#)

[Disallow configuration changes to AWS Config](#)

[Enable encryption for EBS volumes attached to EC2 instances](#)

[Disallow access to IAM users without MFA](#)

[Enable encryption for EBS volumes attached to EC2 instances](#)

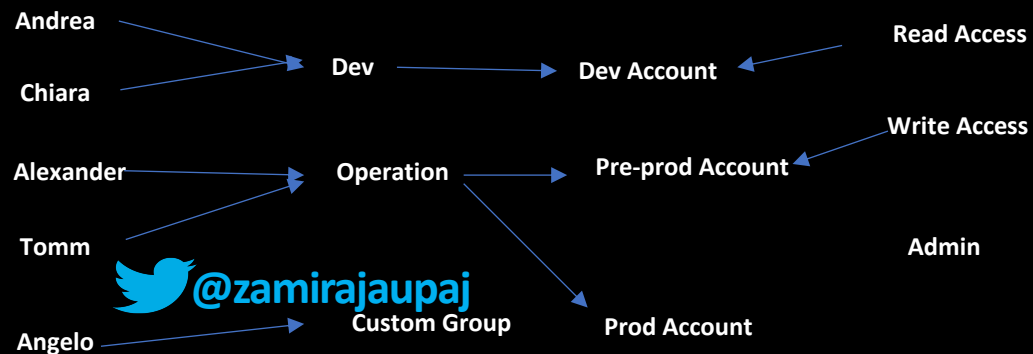
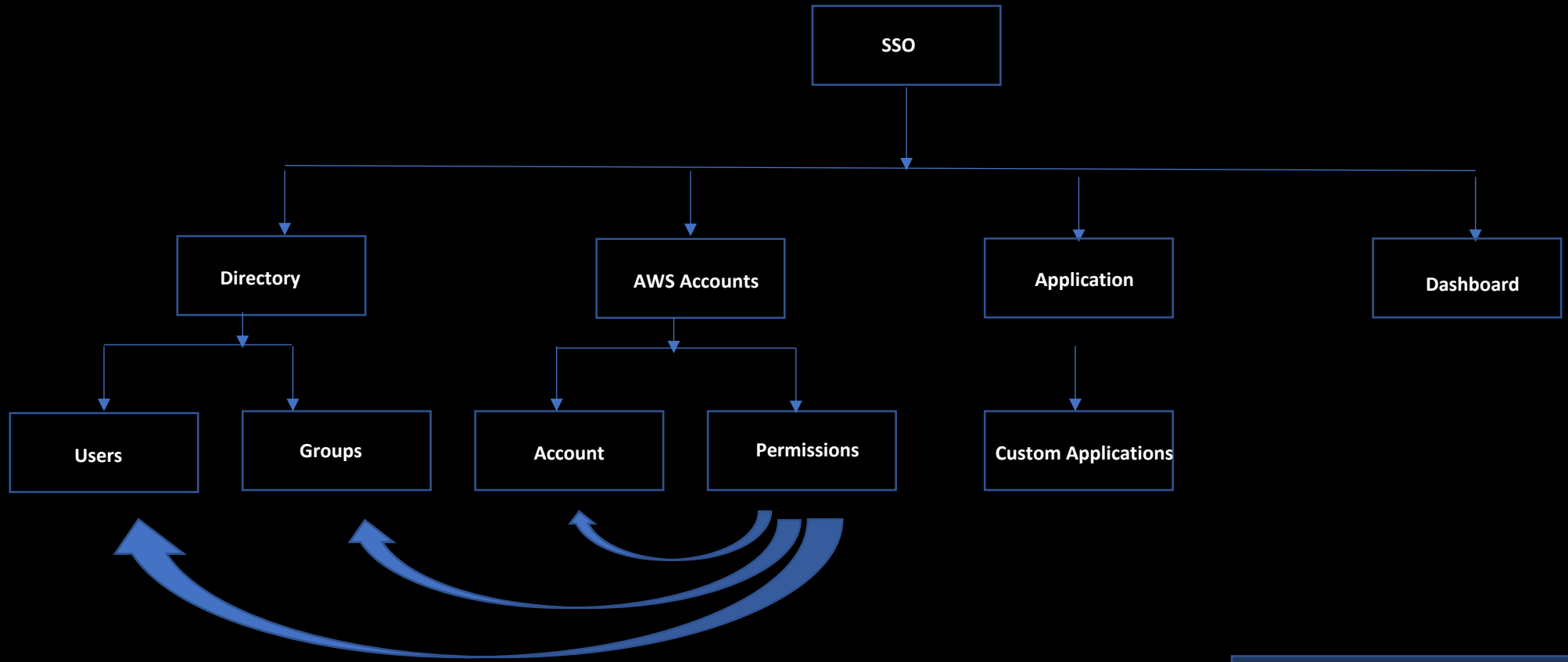
[Enable integrity validation for CloudTrail log file](#)

## Guardrails





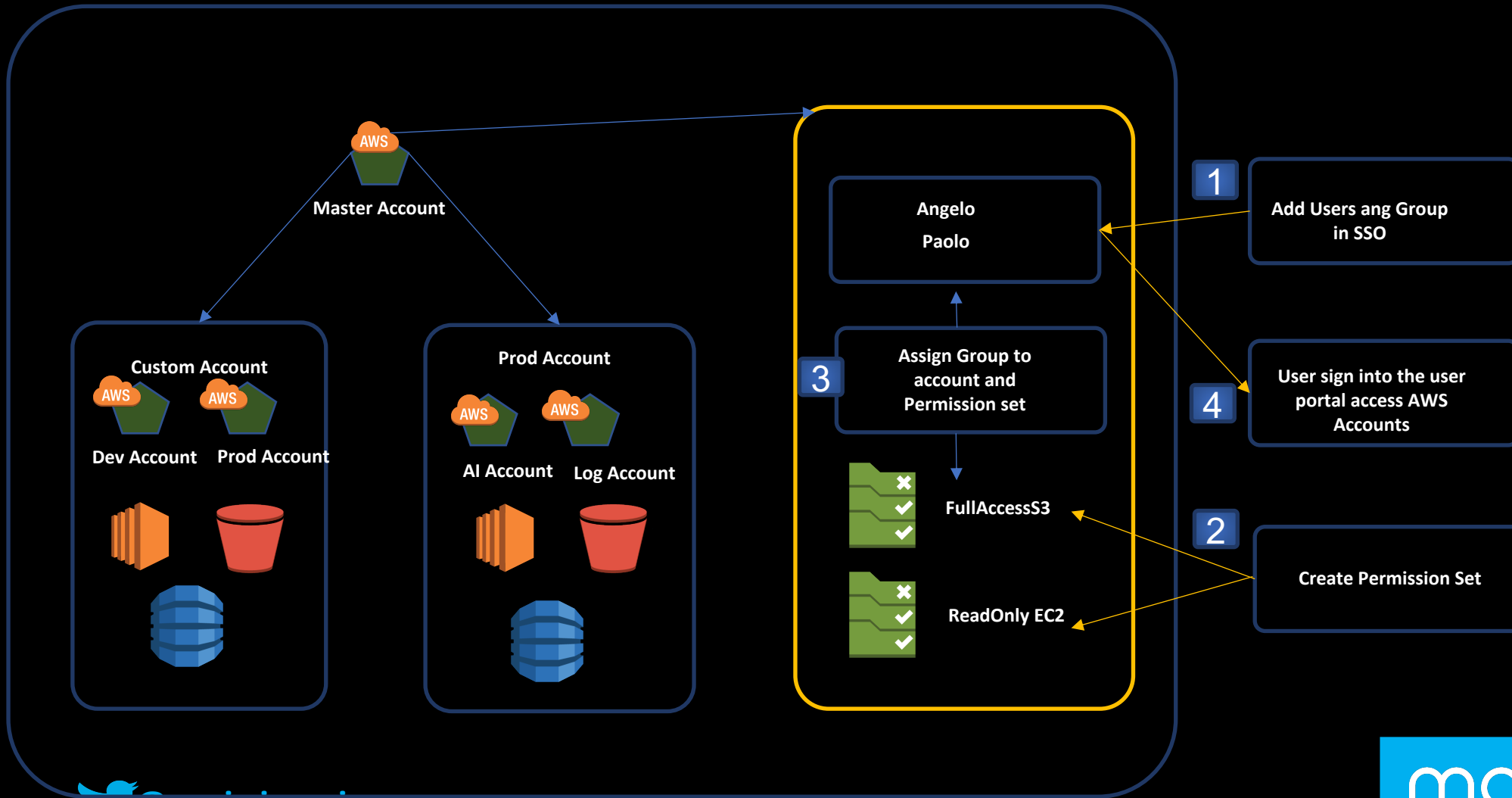
# Centralize identity and Access



NO IAM USER

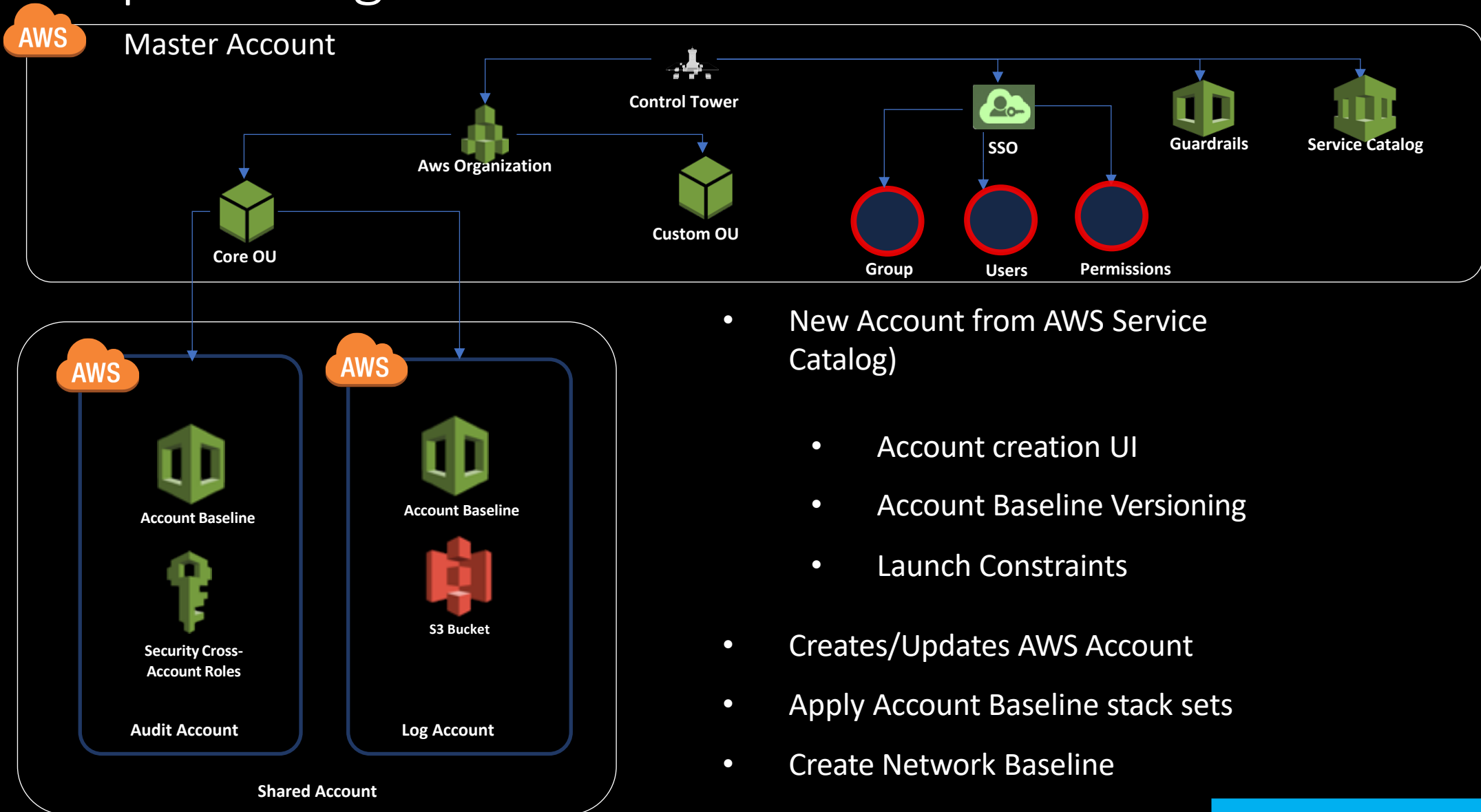
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# SSO



# Setup Landing Zone

default  
Custom  
Both



- New Account from AWS Service Catalog)
  - Account creation UI
  - Account Baseline Versioning
  - Launch Constraints
- Creates/Updates AWS Account
- Apply Account Baseline stack sets
- Create Network Baseline
- Apply account Security Control Policy

# Account baseline

## **AWS CloudTrail**

- Central Amazon S3 bucket and local AWS CloudWatch Logs

## **AWS Config**

- Config Rules (EBS/RDS/S3 encryption, IAM password policy, root MFA, S3 public read/write permissions)

## **IAM Password Policy**

- User password change, password complexity/reuse/age/minimum length

## **Amazon VPC**

- Delete default VPC, (optional) create VPC

# More ...

## Baseline Requirements



### Lock

AWS Account Credential Management ("Root Account")



### Federate

Use Identity Solutions



### Enable

AWS CloudTrail



### Establish

InfoSec Cross Account Roles



### Define

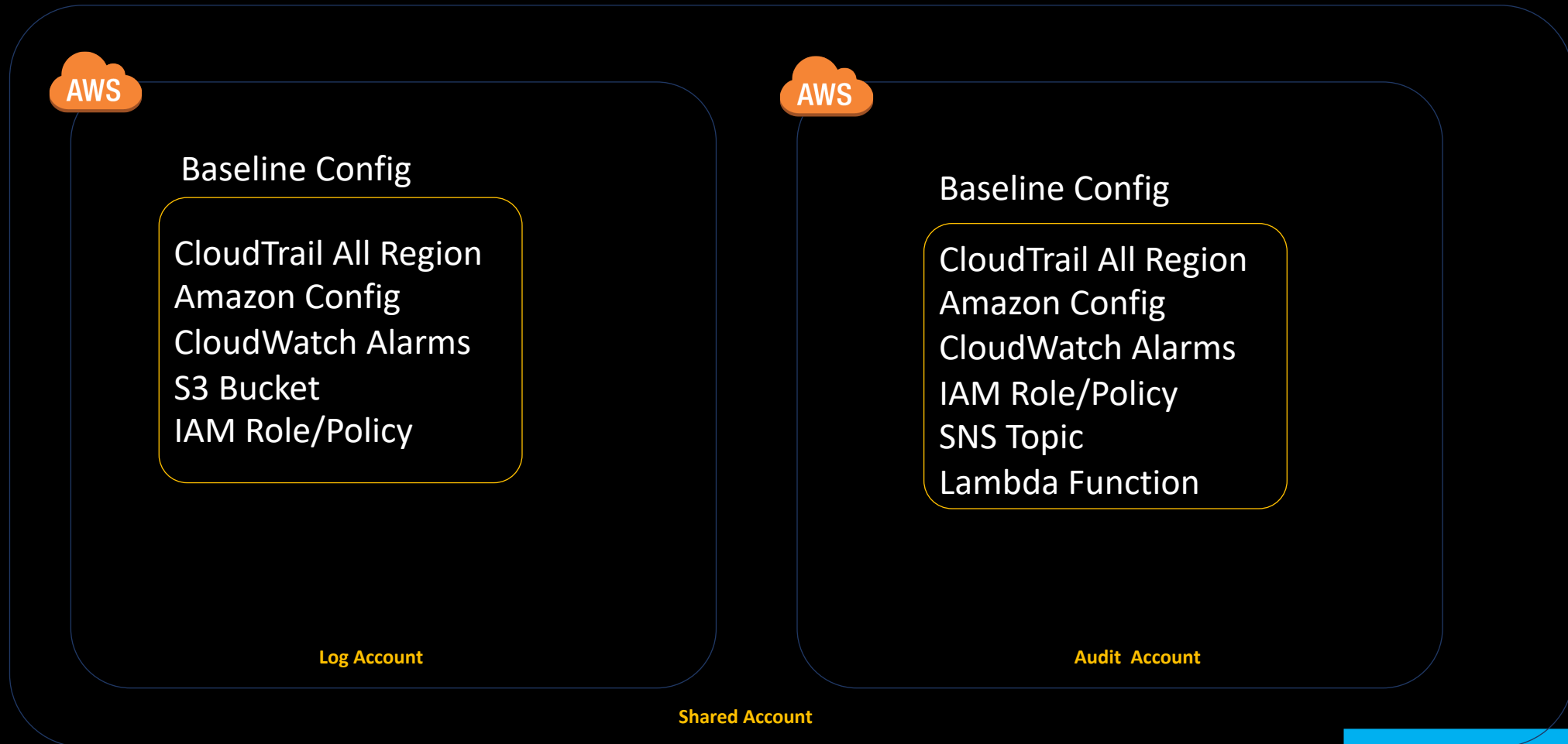
Map Enterprise Roles and Permissions



### Identify

Actions and Conditions to Enforce Governance

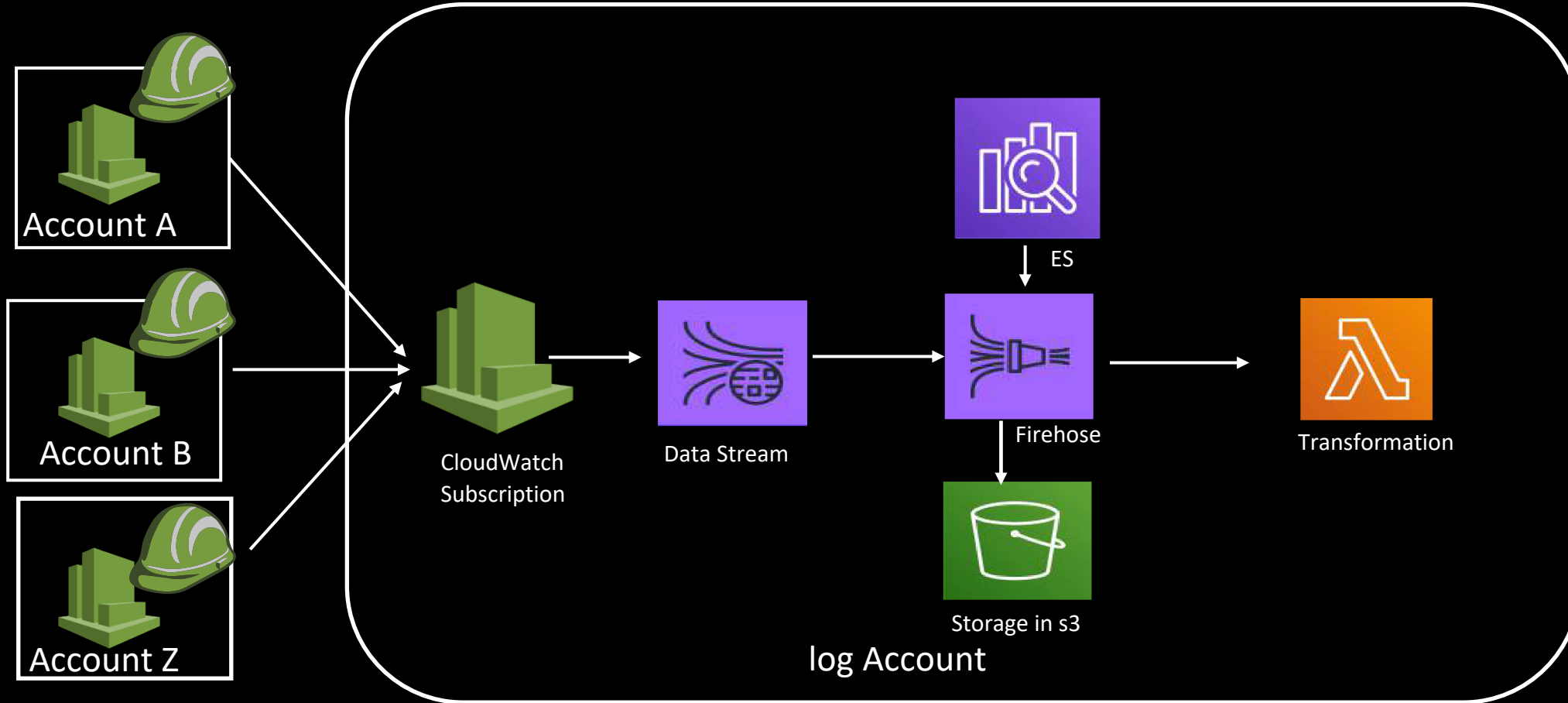
# Shared Account



# Shared Service Account!

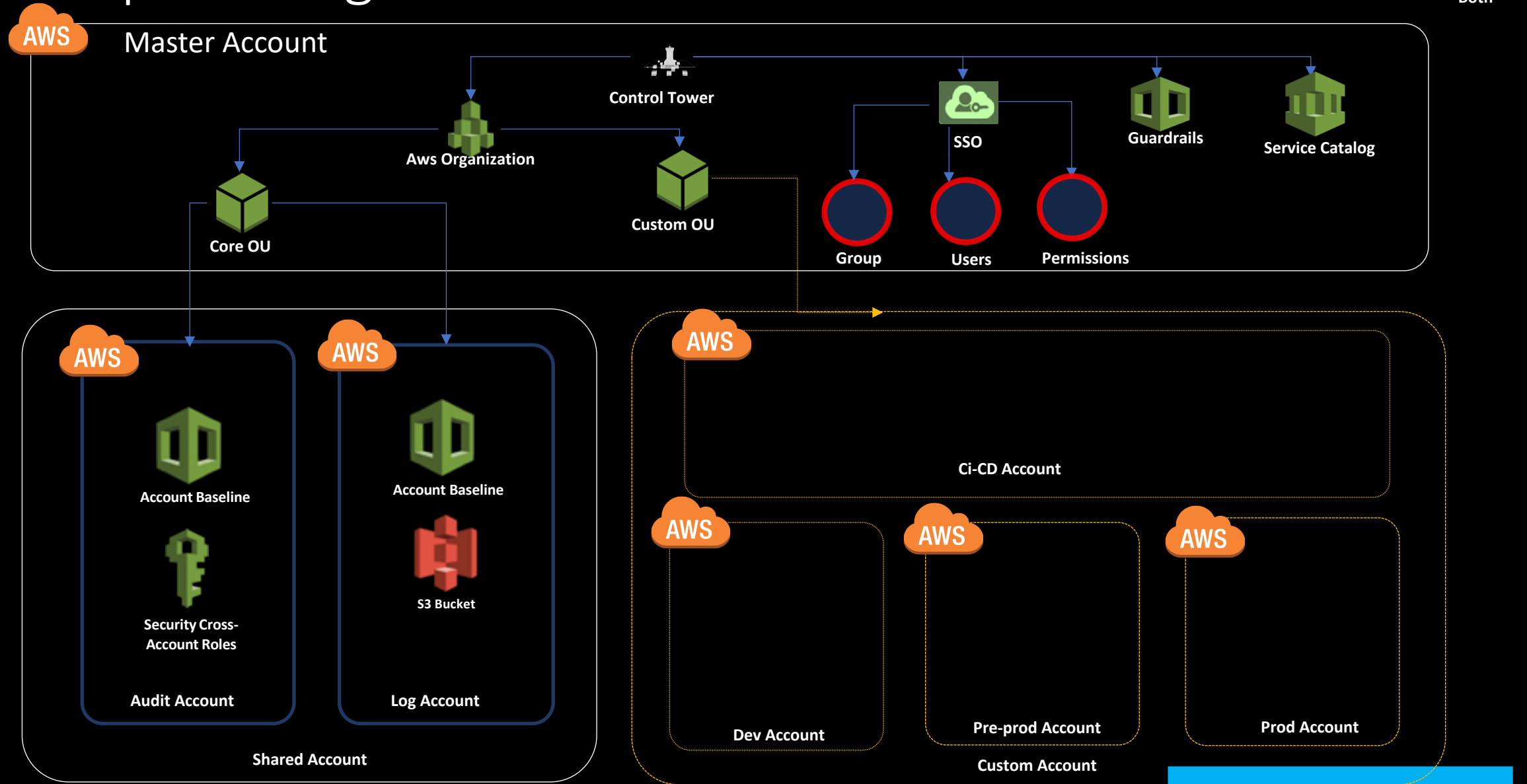
- Services and tooling and our common to our organization
- Active Directory
- Inactive Instances
- EBS volumes
- Golden AMI
- Simple DNS
- Disaster Recovery Purpose
- Shared service network

# What About Logs?



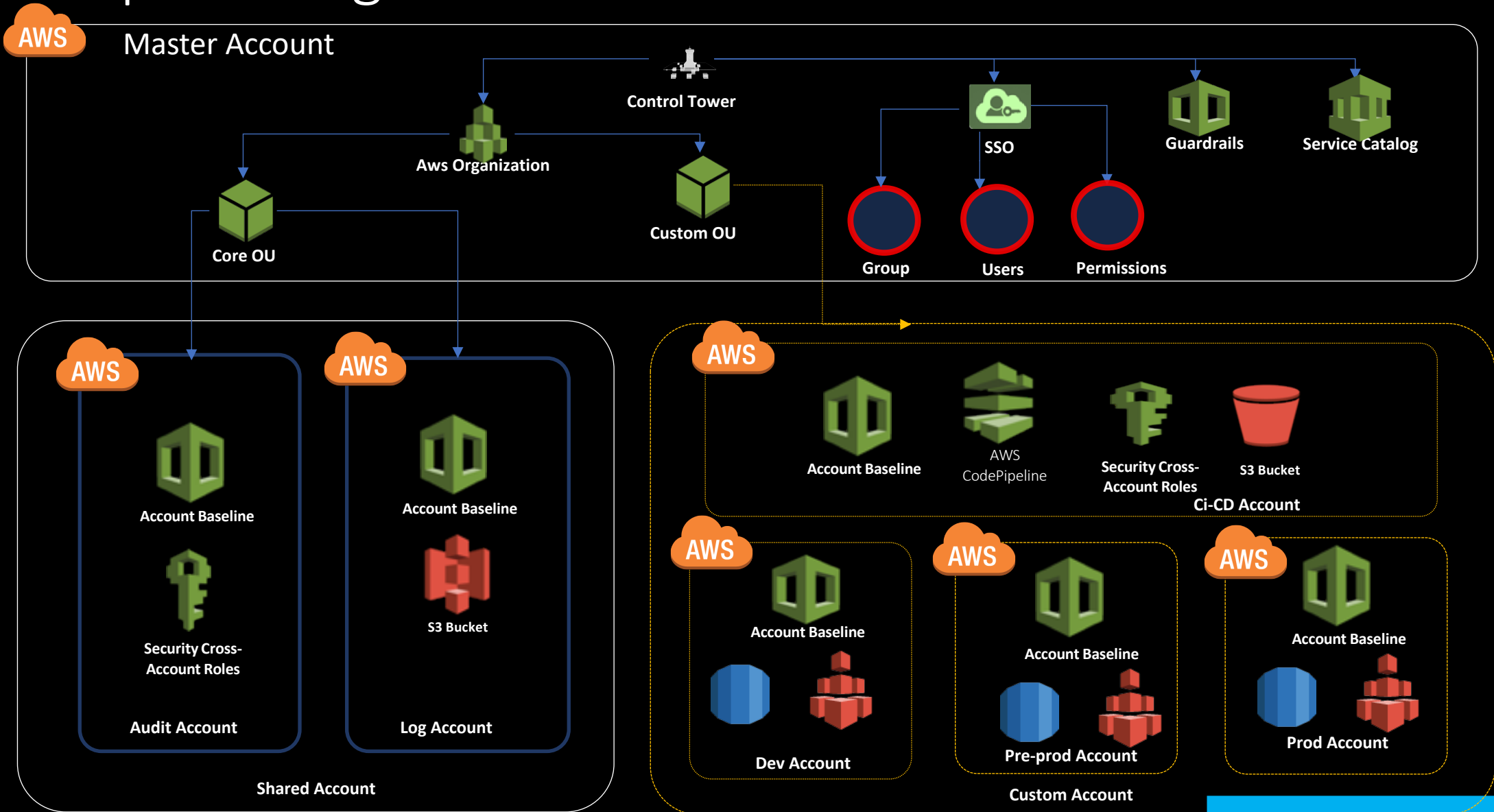


# Setup Landing Zone

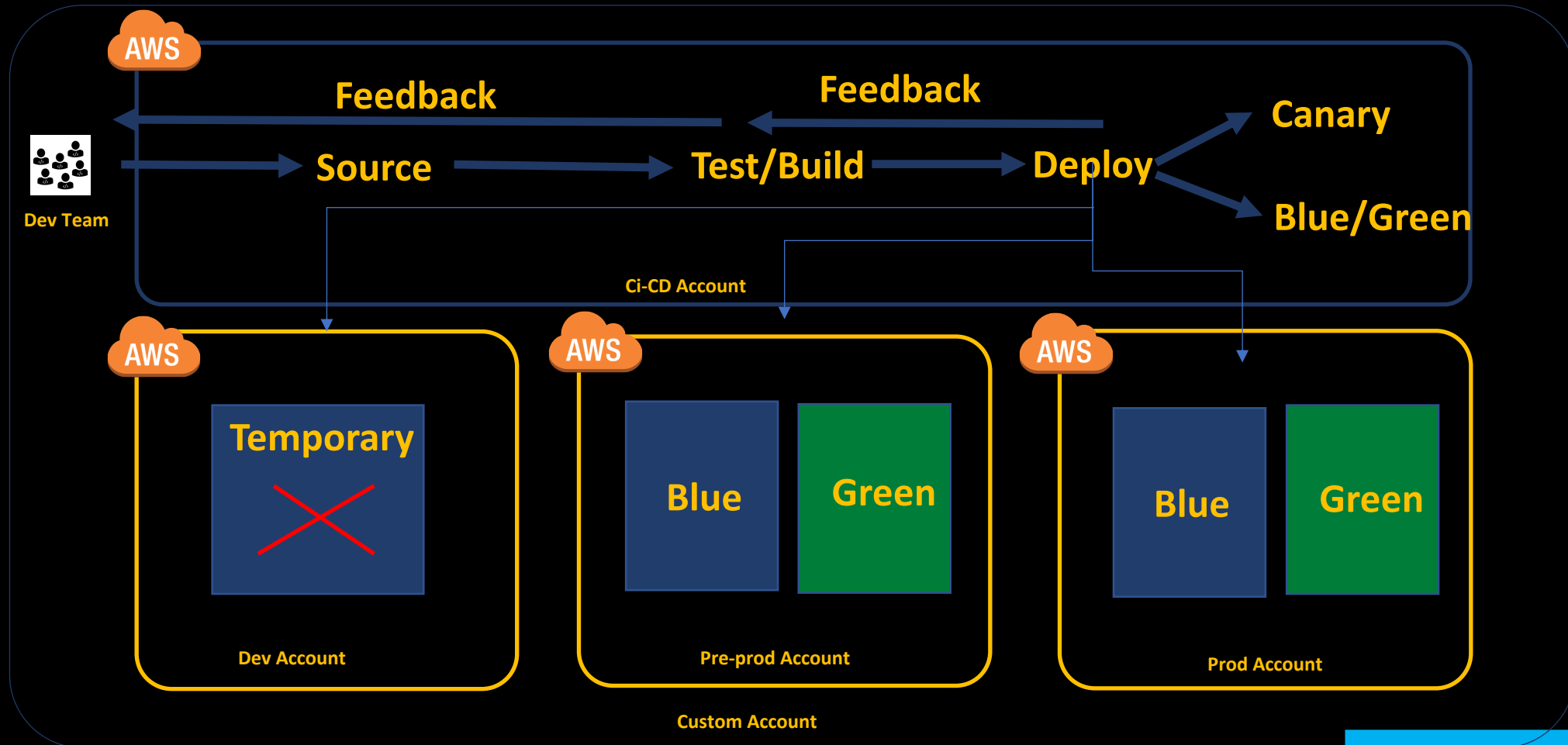


# Setup Landing Zone

default  
Custom  
Both



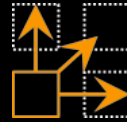
# Custom Account Dev/PreProd/Prod



# Benefits of the AWS Automated Landing Zone



**Automated**



**Scalable**



**Self-Service**



**Guardrails  
NOT Blockers**



**Auditable**



**Flexible**

# Recommendation

## EC2

SSM  
NO Port 22  
NO Public IP  
No Key Pair

## Infrastructure

Secret Manager  
CloudWatch  
CloudTrail  
Config

HTTPS Protocol  
Encryption KMS  
NO IAM USER  
NO Public Bucket  
NO "\*" per le policy

# THANK YOU