

AWS USER GROUP MEDELLÍN

Cloud Practitioner Challenge



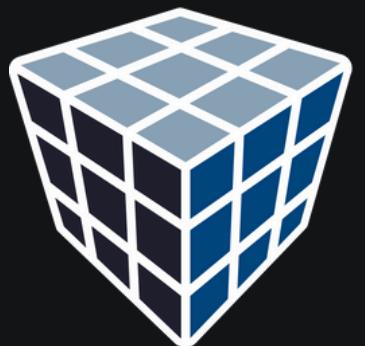
O'REILLY®



rootstack

@awsugmed

Patrocinadores



rootstack

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Agenda

- Yours Truly
- Cosificando Devops
- AWS y Devops
- QA
- Quiz



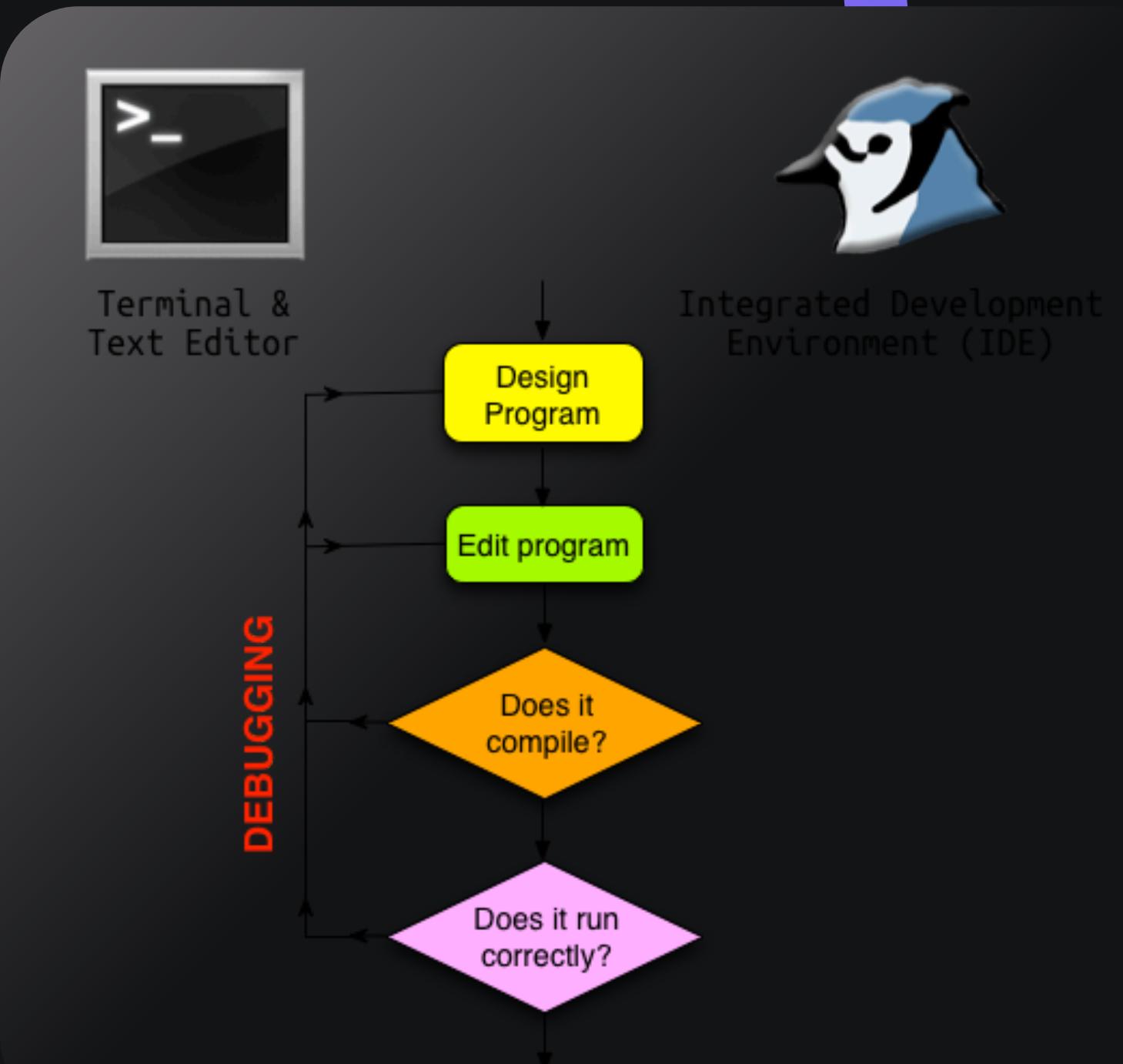
Yours Truly

- Aldrin Leal, <https://aldrinleal.link>
- (y ella es Sigma)



Conceptos

- Creando un Sitio Web
 - Local
 - Hospedando
 - Harias tu?
 - Contratando un servidor
 - Modificando config de servidor (e.g. CGI)
 - Gato vs Ganado
 - PaaS
- Otros tipos de apps:
 - Mobile / Desktop
- El Ciclo Basico
 - Editar
 - Compilar / Link-Editing
 - Publicar / Ejecutar
 - Probar / Debugging
- IDEs



Recap AWS

- Servicios:
 - APIs
 - Entidades
- Agentes / SDKs



Mixing Up

- Calidad de Software
 - CMM
 - SEMA
 - The Joel Test
- Libros
 - The Mythical Man Month
 - The Soul of a New Machine
 - Showstopper
- Agile
 - The Phoenix Project
 - The Effective Engineer



Devops

- Principios
 - Automatizacion
 - Collaborative
 - Continuous
 - Delivery
 - Integration
 - Versioning
 - Code over Docs
- Related: MLOps
- WAF
 - Operational Excellence
 - Performance Efficiency
 - Cost Optimization



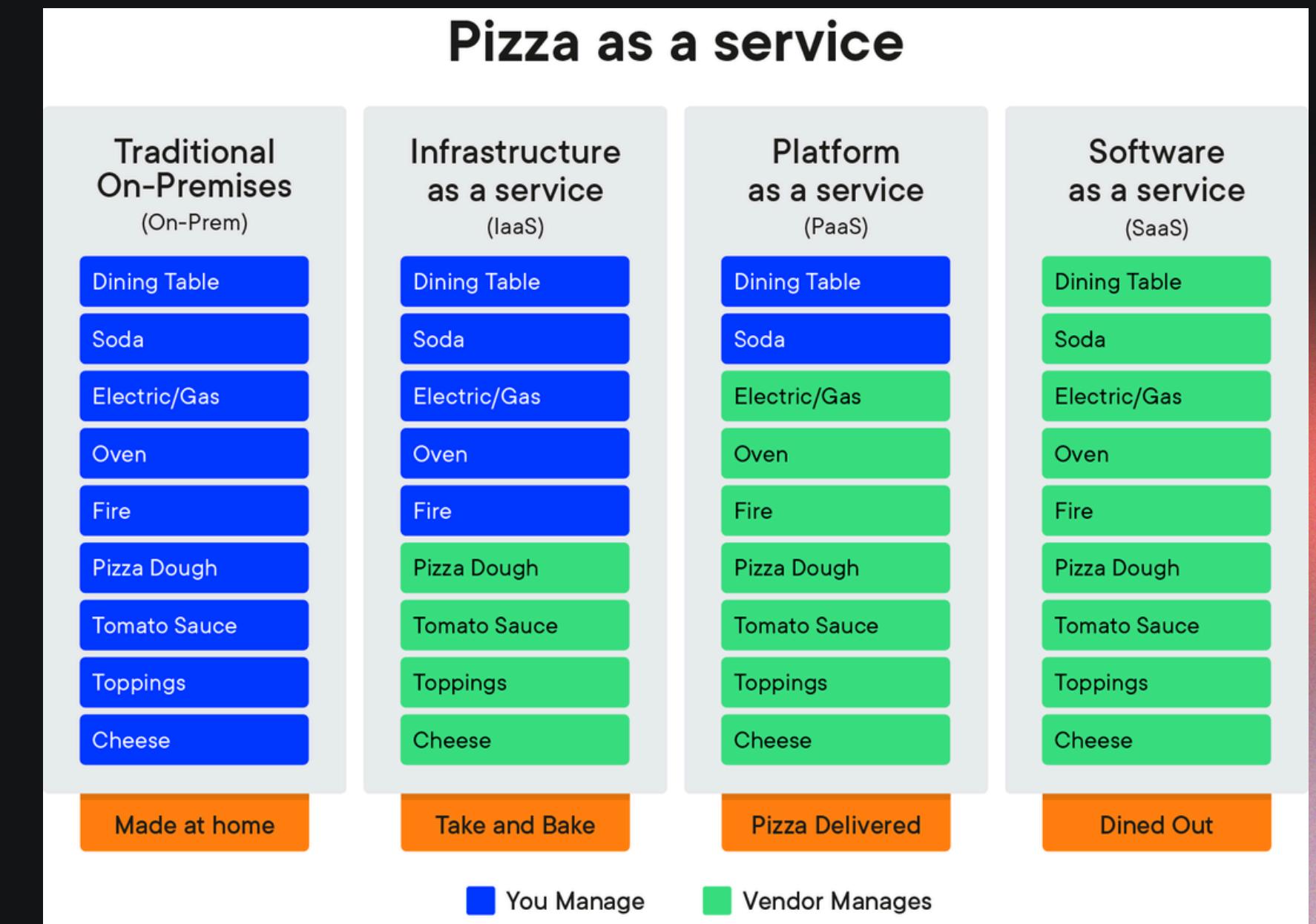
Devops

- Deployment Models (AWS Builder Library)
 - Big Bang
 - Rolling
 - Canary
 - A/B
 - Shadow
 - Pilot Light
 - Dark
 - Feature Toggles
 - Rollback / Roll Forward
 - Cell
- Netflix



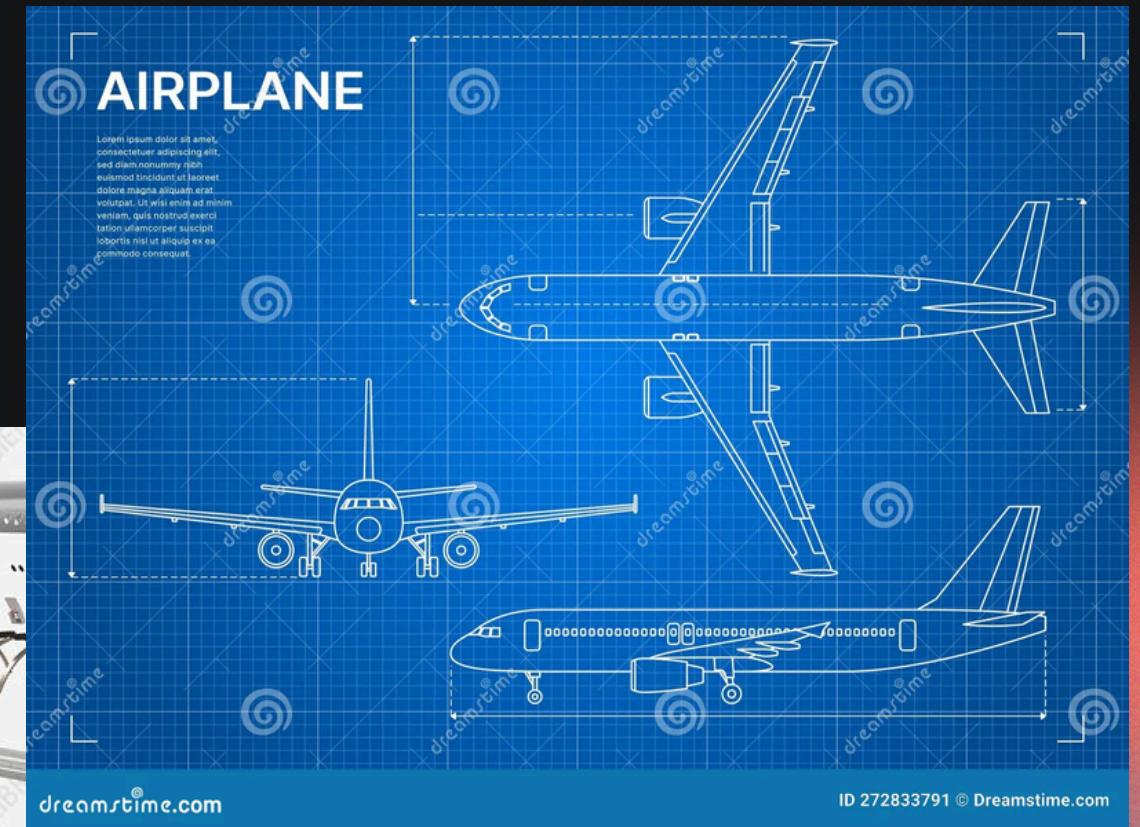
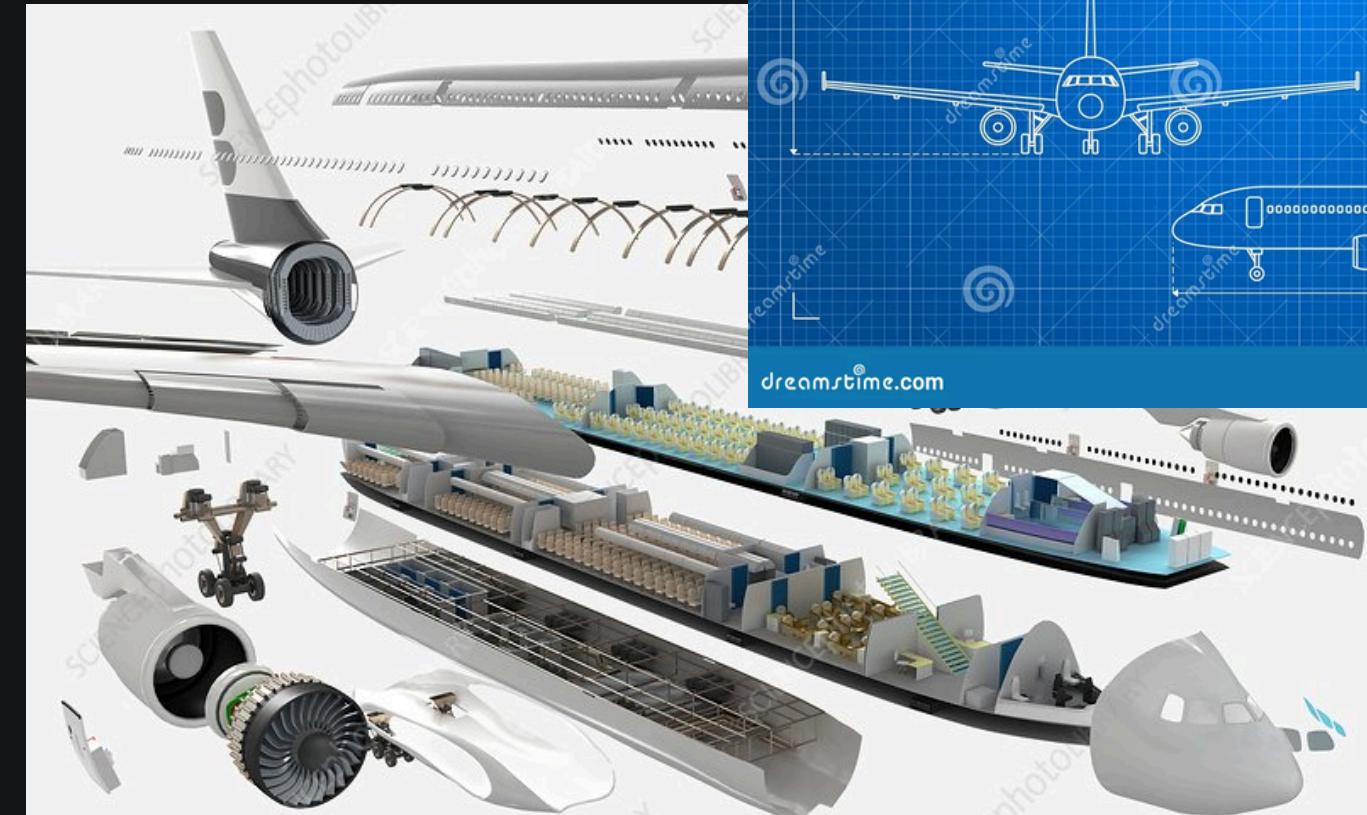
Pero Antes, Límites

- * as Code
- * as Service
- Restaurant Metaphor
- Shared Responsibility Model
 - AWS



Imperativo vs Declarativo

- Imperativo (API Calls):
 - Que
 - Cuando
 - Como
- Declarativo:
 - Que



AWS y Devops

- pro tip: awesome
- IaaC: CloudFormation
 - Templates
 - Recursos
 - Salidas
 - Funciones
- also:
 - terraform
 - serverless
 - application model
 - application repository
 - marketplace
 - solutions library
 - cdk / cdk-tf / pulumi



PaaS

- hay muchos!
- Elastic Beanstalk y AppRunner
- also onpremise:
 - OpsWorks (DEPRECATED)
 - Chef
 - CodeDeploy (Agente)
 - EKS-A
- ECS / EKS (Kubernetes)
 - related: ECR / Docker
- fuera de AWS:
 - Google AppEngine
 - Azure App Services
 - Dokku (y otros)
 - Heroku
 - Vercel



La Linea Code

- entonces... (a disclaimer)
- CodeStar
 - Github
- CodeCommit
 - Git / Github
- CodeArtifact
 - npmjs / pypi / maven central
- CodeBuild
 - Jenkins / Github Workflows
- CodeDeploy
 - Capistrano / ansible
- CodePipeline
 - Gitlab Workflows / Jenkins
- CodeCatalyst
 - v0 / bolt
- related:
 - Sagemaker (ML / MLOps)



Bonus Track

- AWS vs Amazon - Contexto
- Architecture Icons
- <https://aws.amazon.com/>
 - Product List



Conclusion

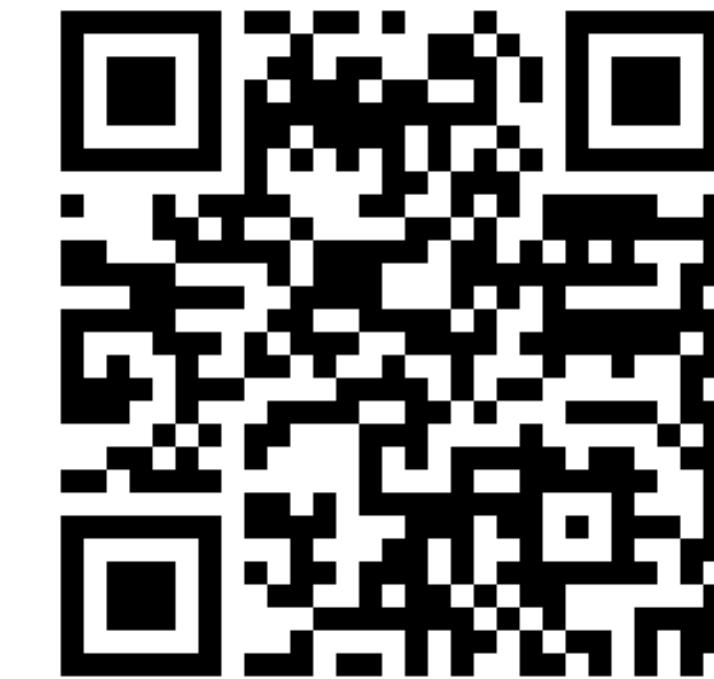
- Devops es una mezcla de muchas cosas
 - Ingenieria de Software
 - Sistemas Operativos
 - Sistemas Distribuidos
 - Ingenieria de Produccion / Procesos
- People over Processes
- Tu rol: Identificar el Servicio mas adecuado
 - No hay perfeccion, solo tradeoffs acceptables



Nuestras redes



Conecta con
nosotros



Actualízate sobre
el Challenge



Muchas gracias

🌟 ¡Gracias por ser parte del AWS Cloud Practitioner Challenge! 🌟

¡Mucho éxito y vamos a explorar el mundo de AWS! 💡🔥

