

if(kakao)2021

# 카카오웹툰 서비스 포스트모템

KAKAO WEBTOON on AWS

이동규 Dino.Dk

카카오엔터테인먼트



KAKAO WEBTOON

10:30

신작 월 화 수 목 금 토 일 완결

월요일

사권 권 아닌데 UP

액괴 UP

바니와 오빠들 UP

그 책에 마음을 주지 마세요 UP

오무라이스 잼잼 UP

10:31

แนะนำ พิเศษ

ตำนาน

# SOLO LEVELING

จากคนอ่อนหัด สู้ขั้นเตอร์ ที่แกร่งที่สุด

อันดับ 1 จากเกาหลี ยอดอ่านทะลุ 1 ล้าน!

กิจกรรม

# เพลิงสีฟ้า ของโทแกบี

เพลิงสีฟ้า ที่จะมาเปลี่ยน ชะตาชีวิต

ภารกิจ! วันนี้

เปิดตัวแล้ว!

10:30

원작 소설원작 랭킹 선물함 보러가기

전체 판타지 드라마 로맨스 학원/판타지 로맨스 판타지

# 녹음의 관

남주에게 트라우마를 남긴 계모의 딸에 빙의된 나, 살아남을 수 있을까?

2 ▲2

3 ▼1

4 ▲1

바니와 오빠들 나 혼자만 내일드 추고

# AWS

"Global Region Service"

# MSA

"Hexagonal architecture"

# What?

"카카오웹툰 서비스 환경 구성에는 무엇이 필요했을까요?"

# Container Service



Amazon ECS

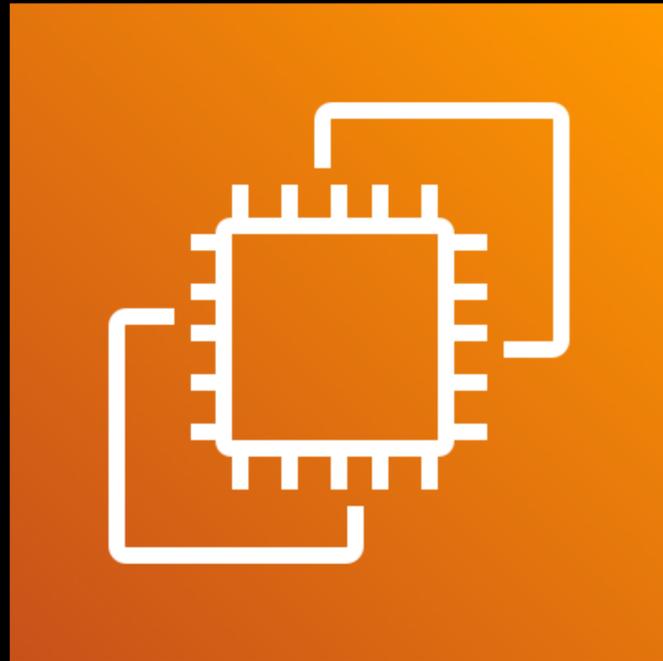


Amazon EKS



Amazon EKS

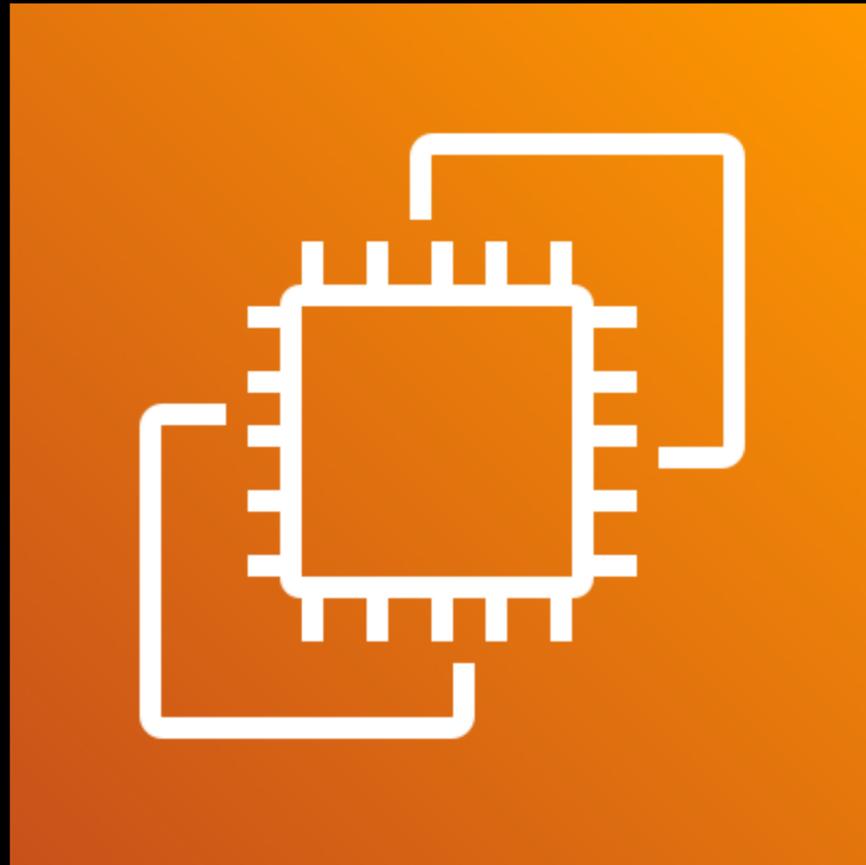
# Compute Service



Amazon EC2



AWS Fargate



Amazon EC2

CI/CD

# 운영

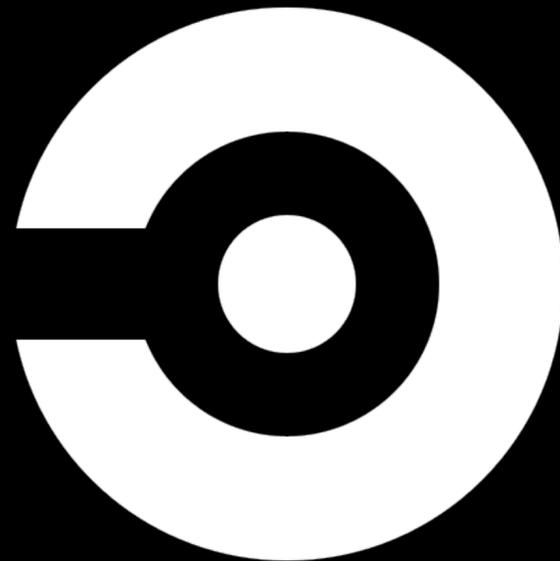
"운영할 사람이 부족하다"

# 편의성

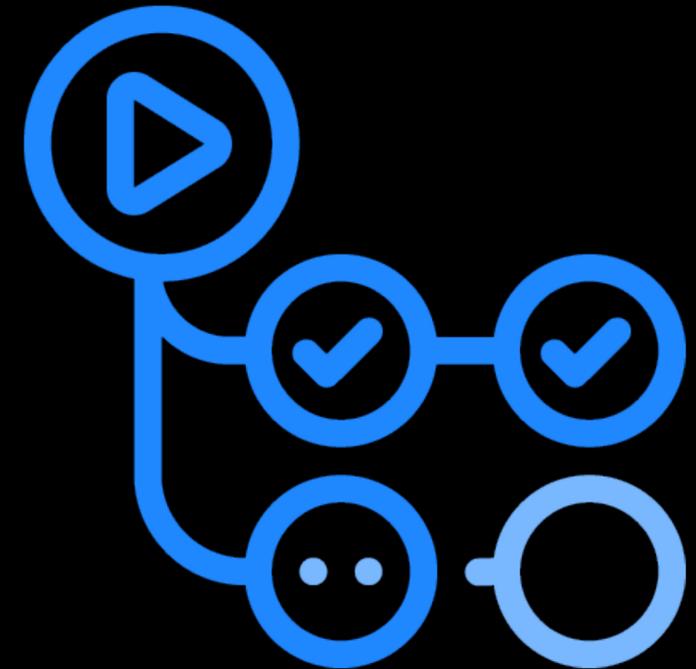
"빠르게 적용 가능해야 한다"



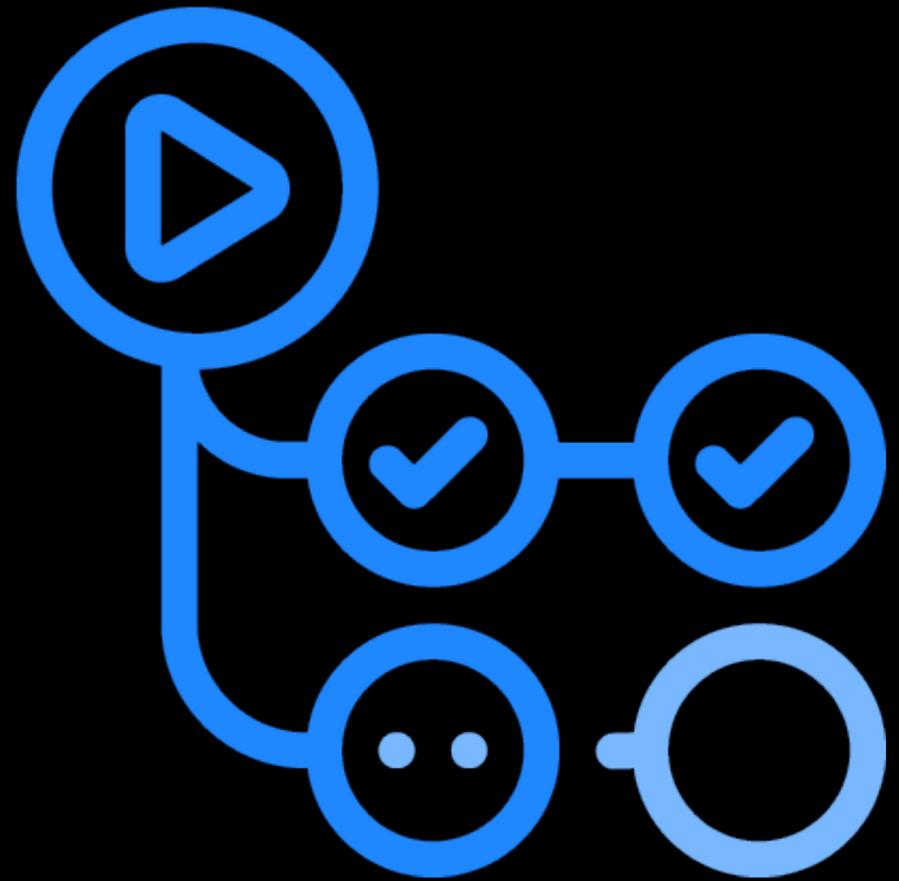
Jenkins



Circle CI



Github Action



Github Action

# 배포

편한 클러스터 배포

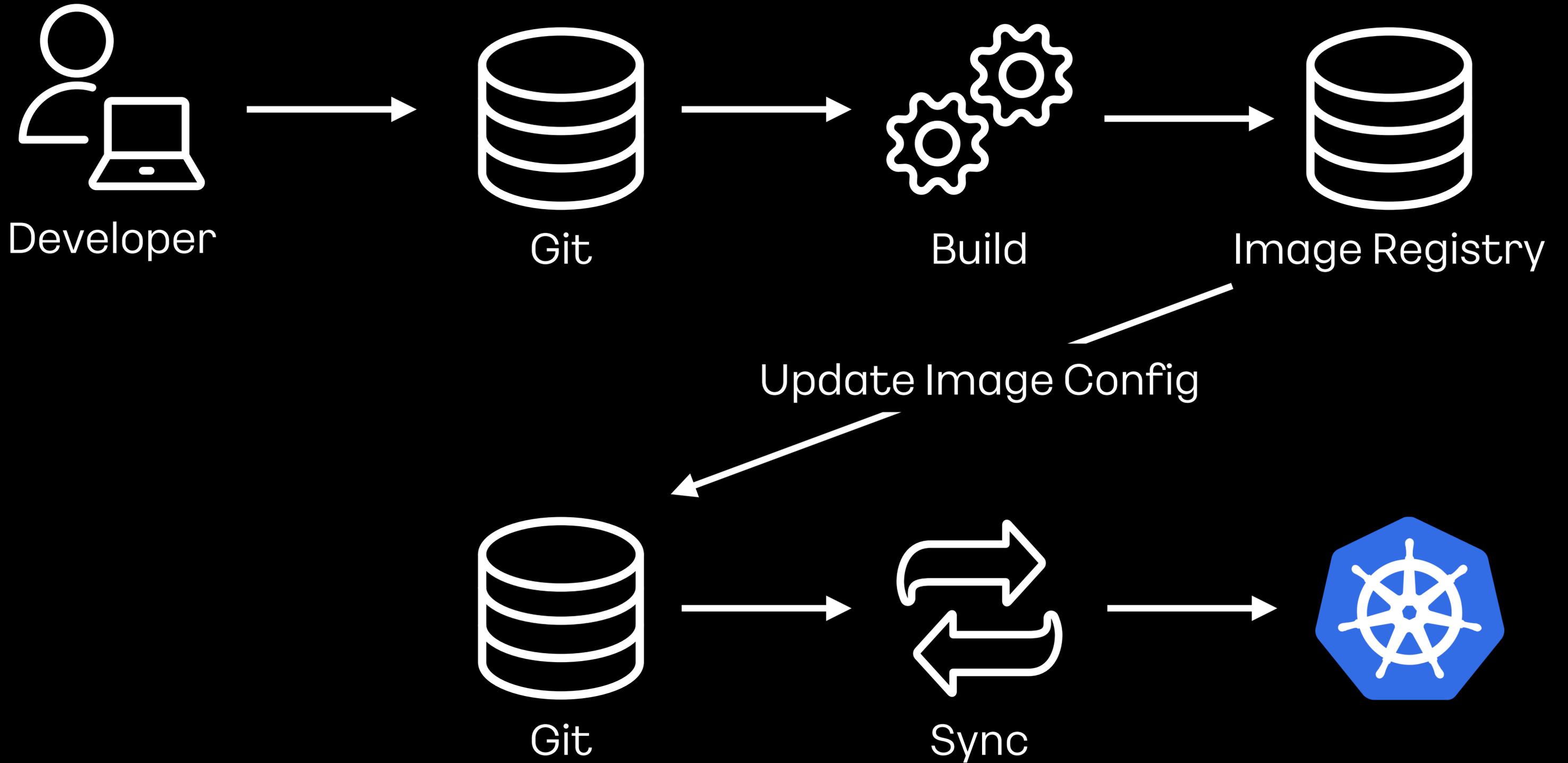
# 러닝 커브

사용하기 쉬운 서비스

# 신뢰

배포된 환경에 대한 신뢰도

**GitOps**





flux



argo



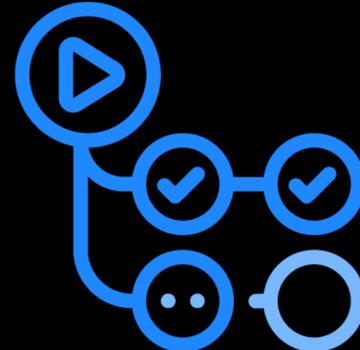
argo



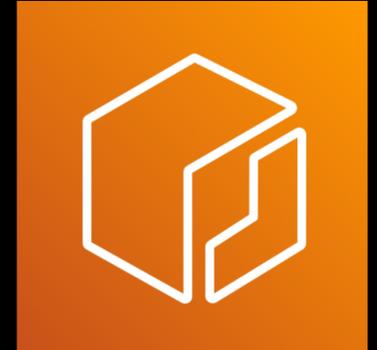
Developer



Git

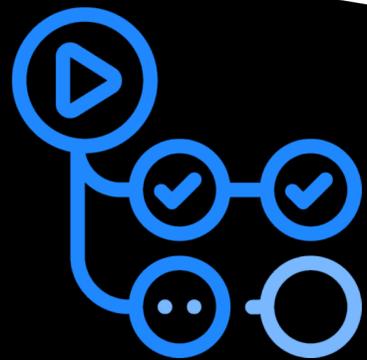
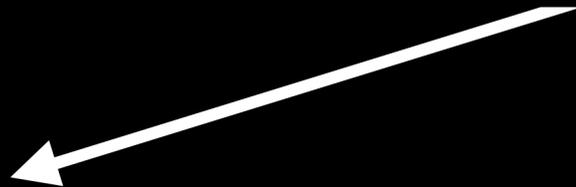


Build



Amazon ECR

Update Image Config



Updater



Git



argo



Amazon EKS

Testing

# Scenario Report

시나리오 기반으로 테스트

다양하게 분석해주는 테스트 결과

**Taurus**

# Taurus Report

external ⋮

[Set Report as a Baseline](#)

[Summary](#) [Timeline Report](#) [Request Stats](#) [Engine Health](#) [Errors](#)

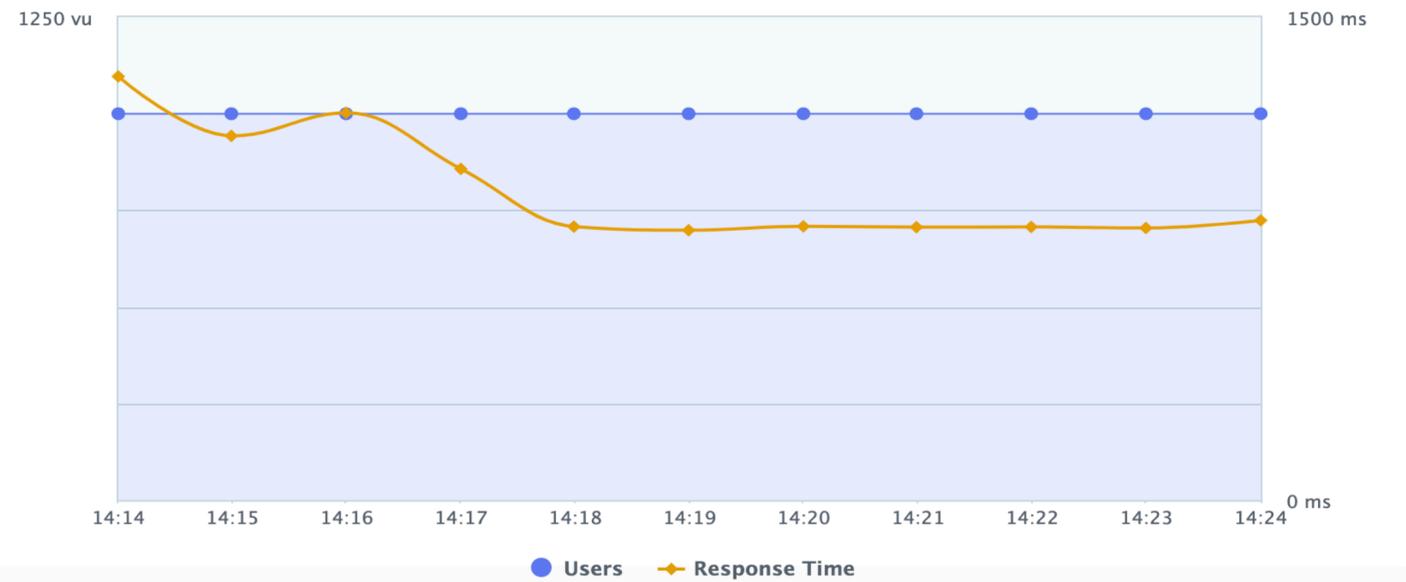
<b>1000</b> VU Max Users	<b>1082.6</b> Hits/s Avg. Throughput	<b>0</b> % Errors	<b>924</b> ms Avg. Response Time	<b>1.31</b> s 90% Response Time	<b>1.79</b> MiB/s Avg. Bandwidth
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🕒 Duration	10 minutes	📄 Test Type	External
▶ Started	Jul 26, 2021, 2:14:43 PM		
☐ Ended	Jul 26, 2021, 2:24:48 PM		

Load



Response Time



**Monitoring**

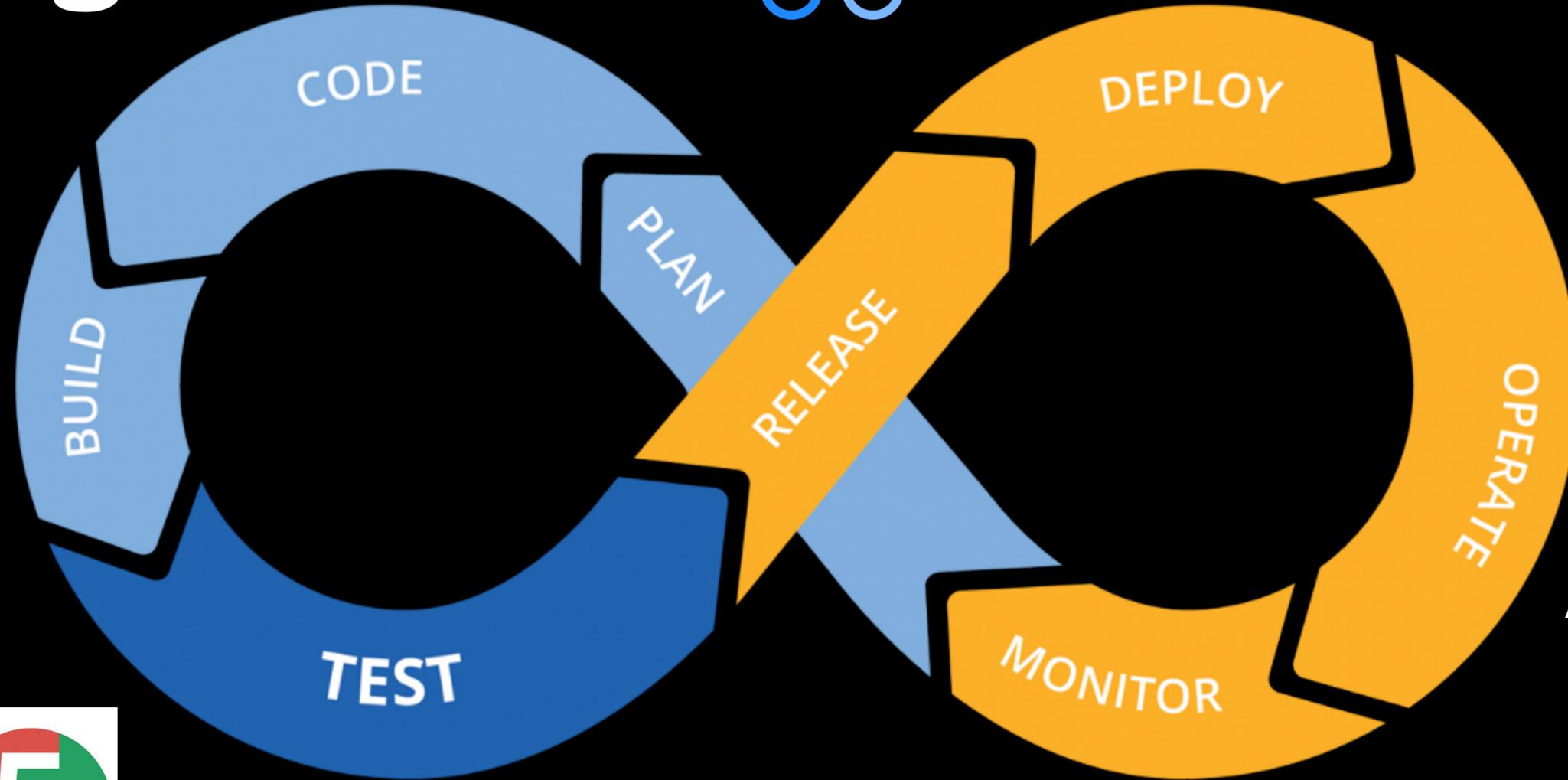
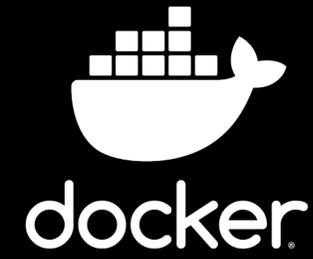
**APM**

**Infra**

**Trace**



Datadog



Amazon EKS



# Next?

"개선 사항 및 준비하는 이슈는?"

# Amazon EKS Cluster Migration

**AWS CDK**

마치며..