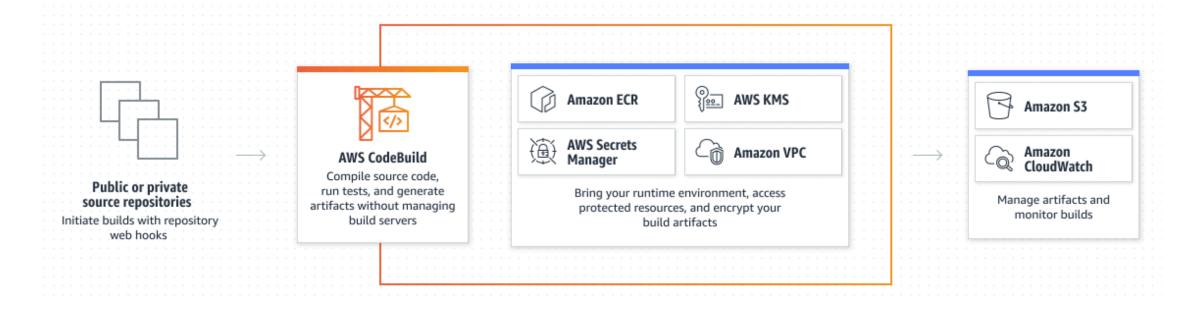
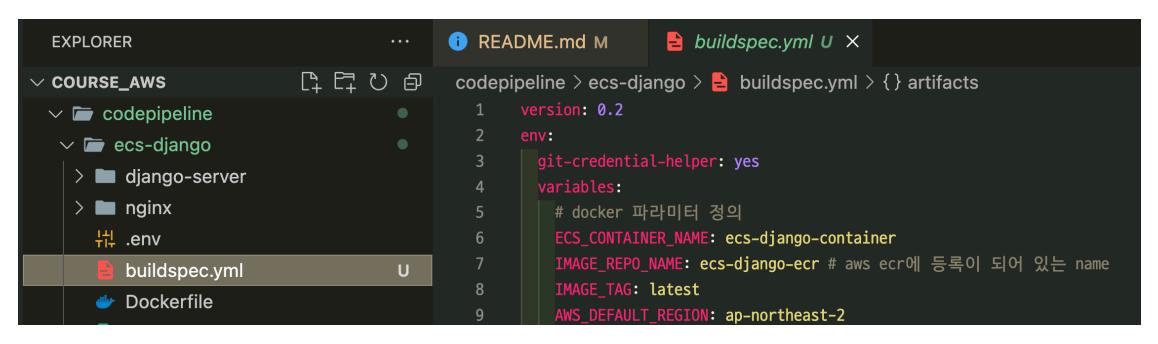
AWS CodeBuild

• AWS CodeBuild는 소스 코드를 컴파일하고 테스트를 실행한 다음 바로 배포 가능한 소프트웨어 패키지를 생성할 수 있는 완전관리형의 지속적 통합 서비스입니다.



단계1: buildspec.yml 생성



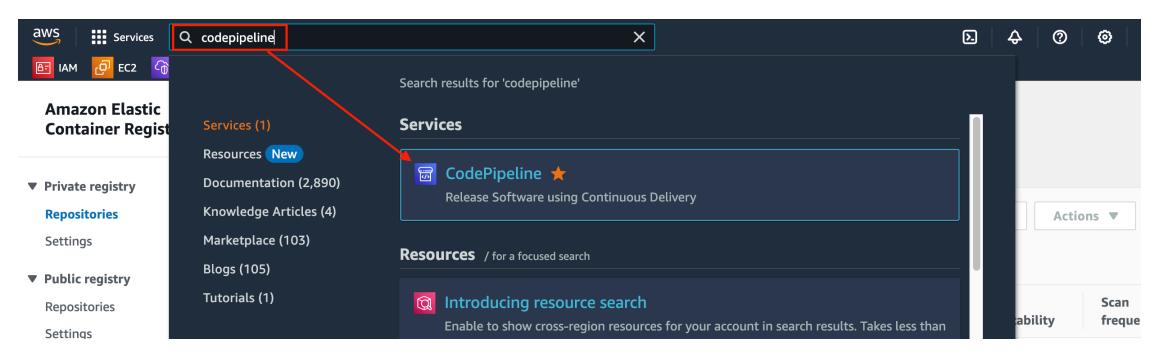
• 생성한 aws ecr 적용

```
version: 0.2
env:
git-credential-helper: yes
variables:
# docker 파라미터 정의
ECS_CONTAINER_NAME: ecs-django-container
IMAGE_REPO_NAME: ecs-django-ecr # aws ecr에 등록이 되어 있는 name
IMAGE_TAG: latest
AWS_DEFAULT_REGION: ap-northeast-2
```

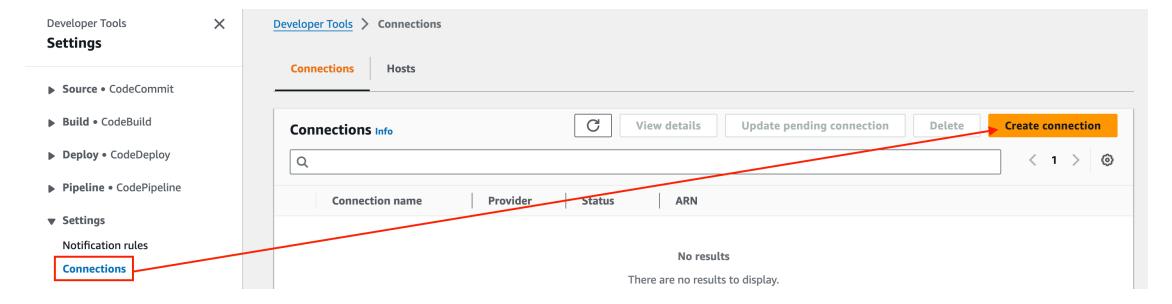
• Github Repository에 있는 Dockerfile의 위치에 맞춰 수정

```
build:
    commands:
        - echo Build started on `date`
        - echo Building the Docker image...
        # Github Repository에 있는 Dockerfile의 위치에 맞춰 수정
        - docker build -f ./codepipeline/ecs-django/Dockerfile -t $IMAGE_REPO_NAME:$IMAGE_TAG .
        - docker tag $IMAGE_REPO_NAME:$IMAGE_TAG $REPOSITORY_URI
```

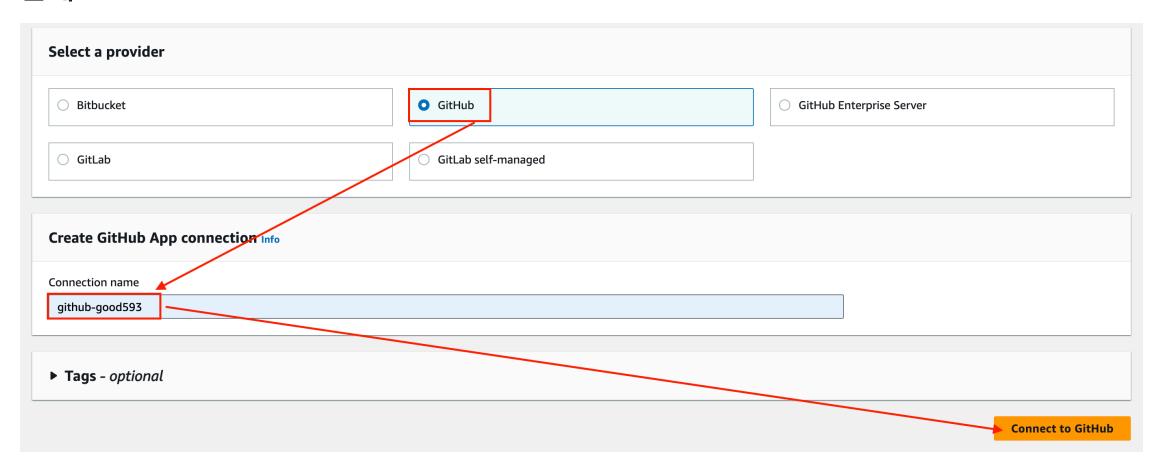
단계2: AWS CodePipeline



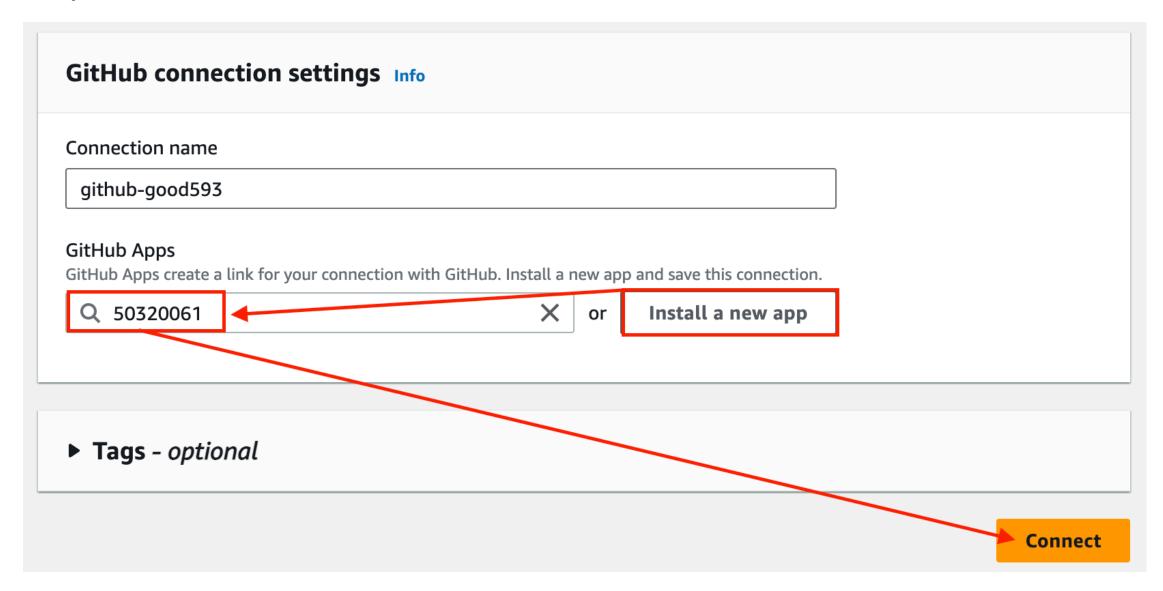
단계3: Create connection



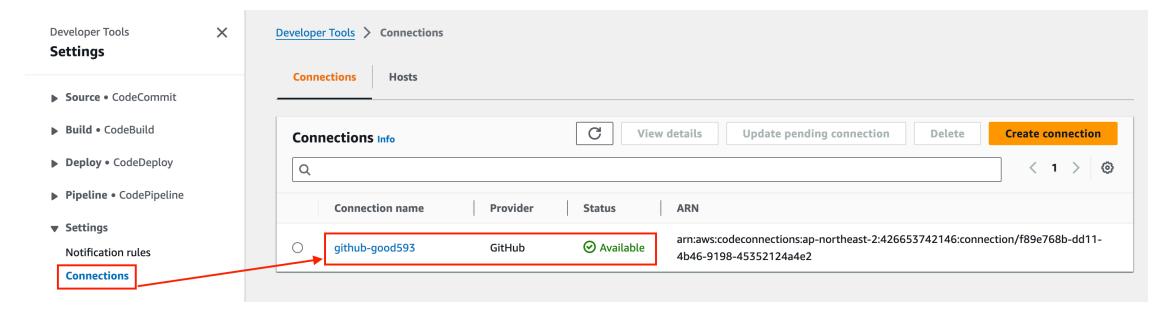
단계4: Connect to GitHub



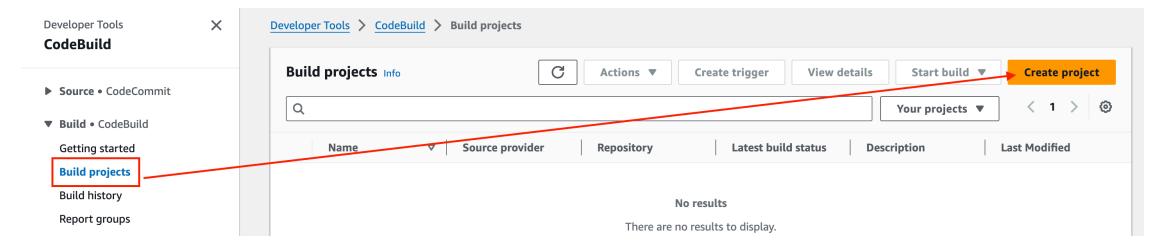
단계5: Connect



단계6: 결과 확인



단계7: Create build project



단계8: Create build project > Project configuration

Project configuration

Project name

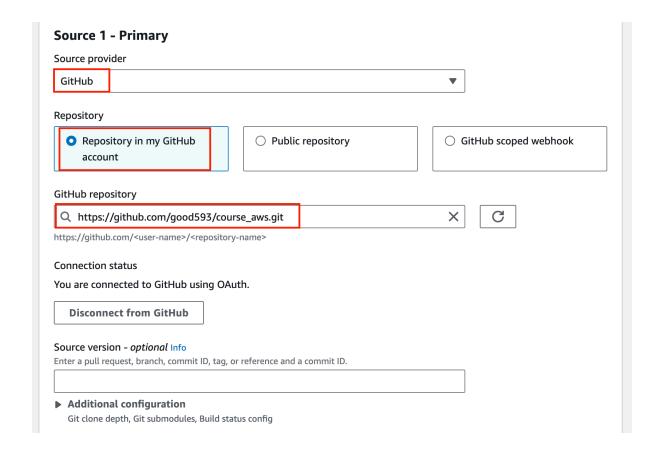
ecs-django-build

A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and _.

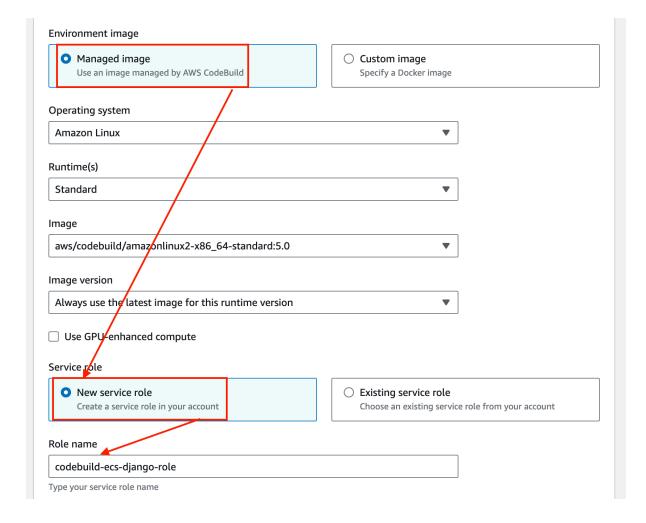
▶ Additional configuration

Description, Build badge, Concurrent build limit, tags

단계9: Create build project > Source

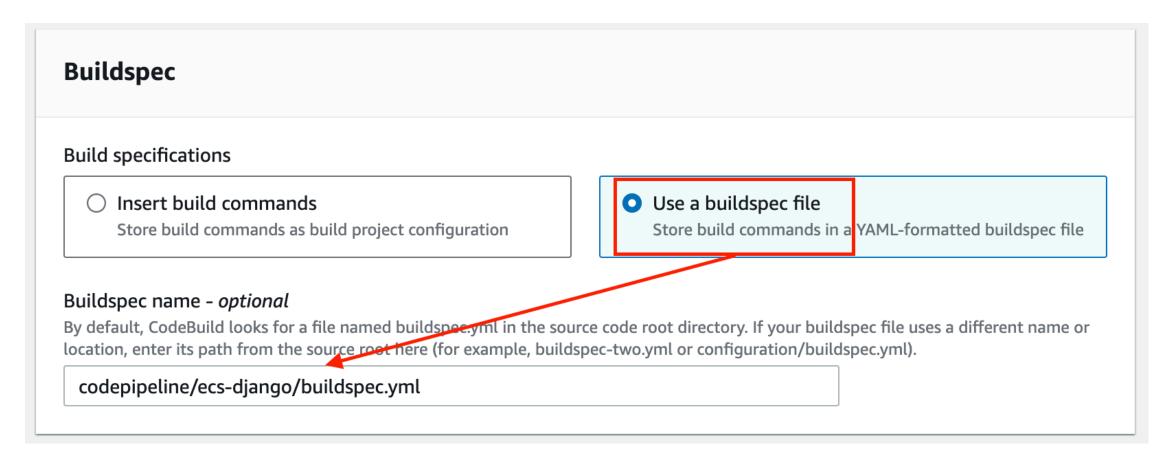


단계9: Create build project > Environment

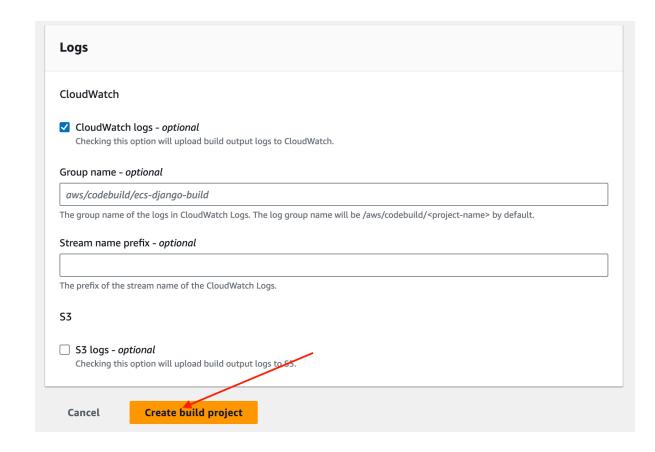


단계10: Create build project > Buildspec

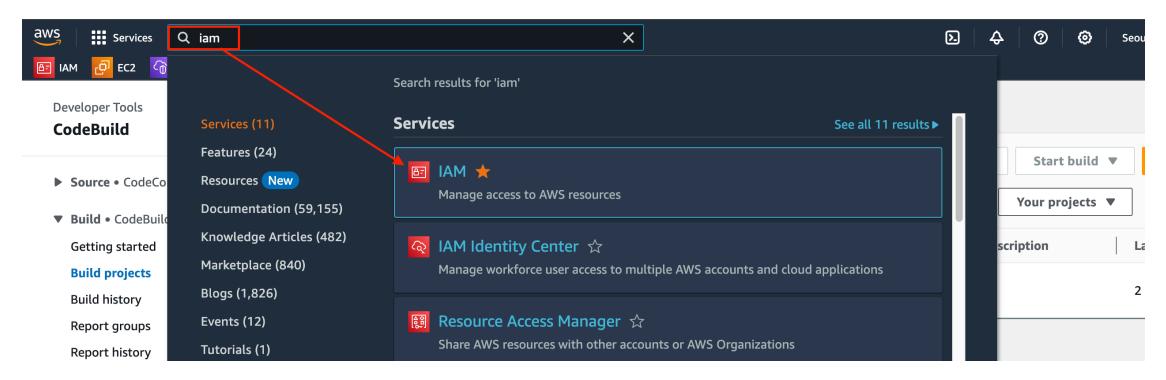
• Github에 저장된 buildspec.yml 위치 작성



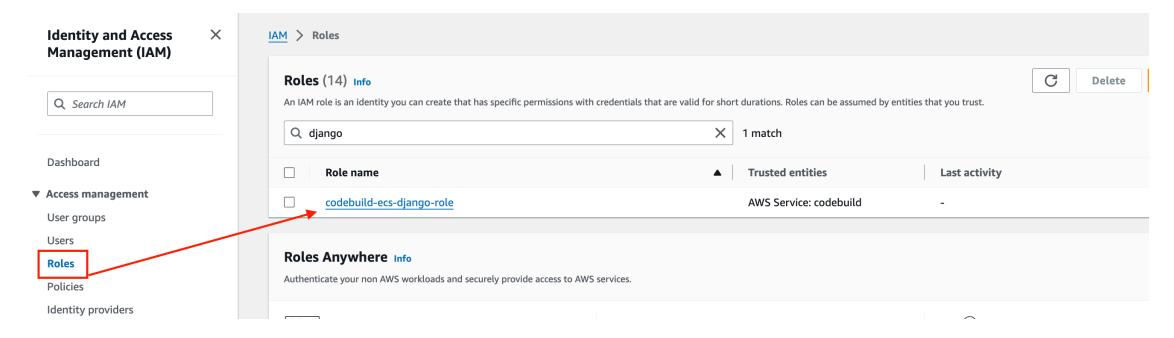
단계11: Create build project 클릭



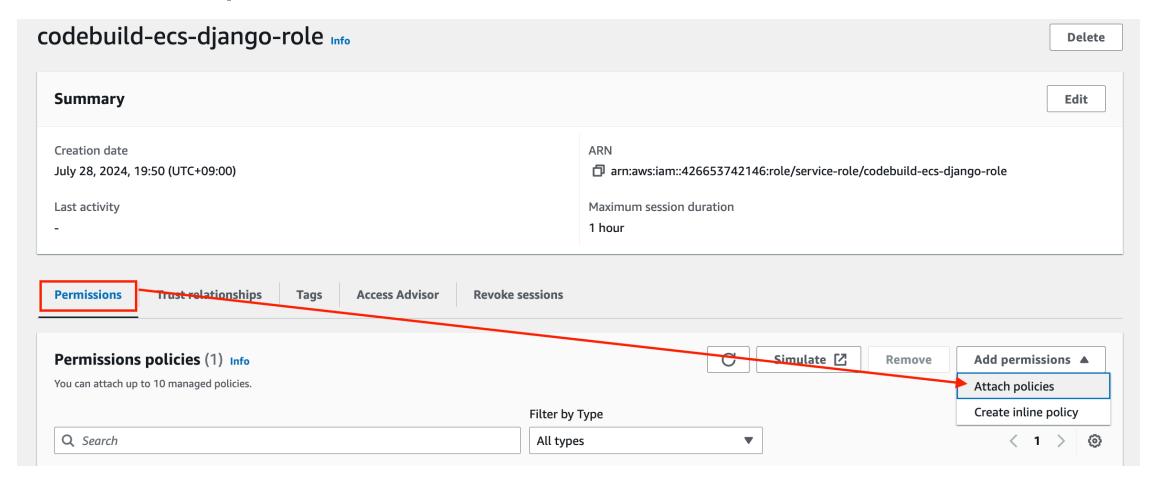
단계12: IAM 접속



단계13: 생성한 codebuild role 선택



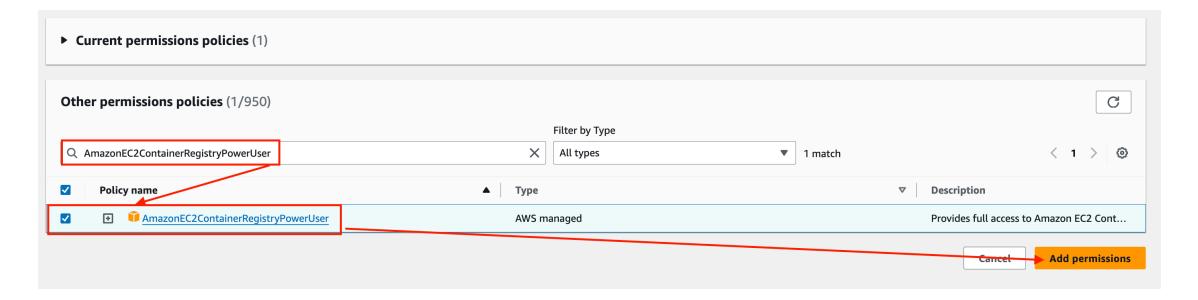
단계14: Attach policies



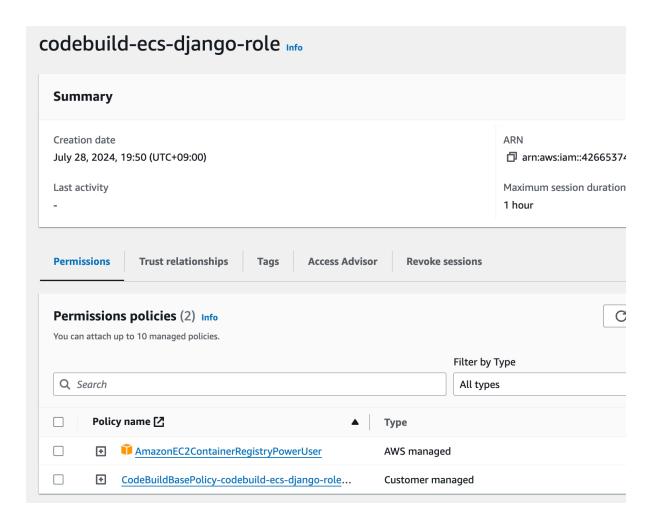
단계15: add Permission

• codebuild에 ECR 접속 권한 추가

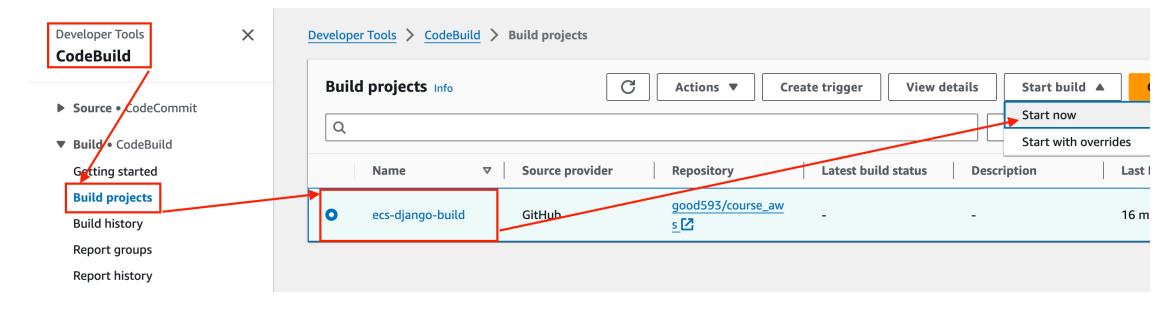
AmazonEC2ContainerRegistryPowerUser



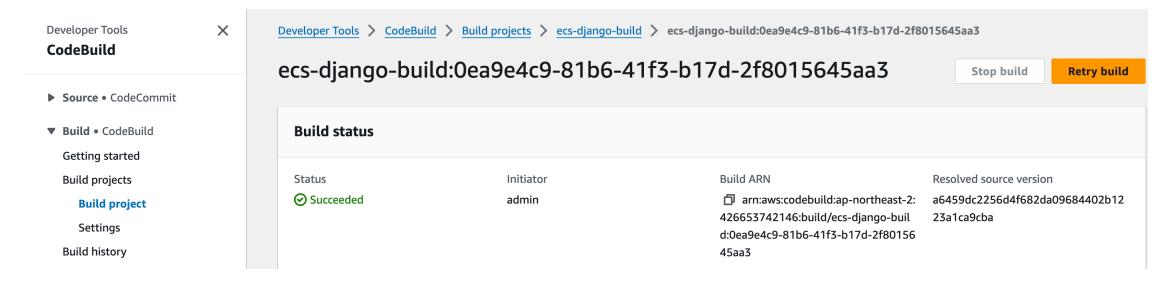
단계16: 결과 확인



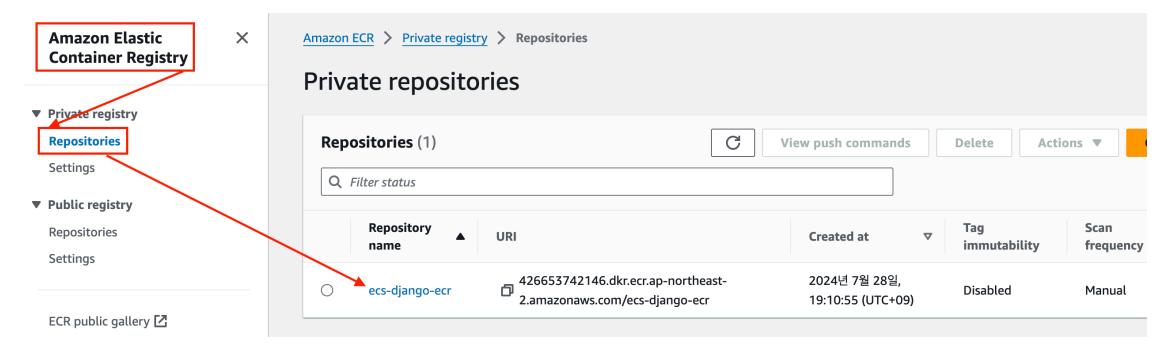
단계17: AWS CodeBuild > Start build



단계18: Start build > Succeeded



단계19: AWS ECR > ecs-django-ecr 클릭



단계20: 결과 확인

• CodeBuild를 통해 이미지가 등록됨

