July 13, 2019



# Simple Rest Service





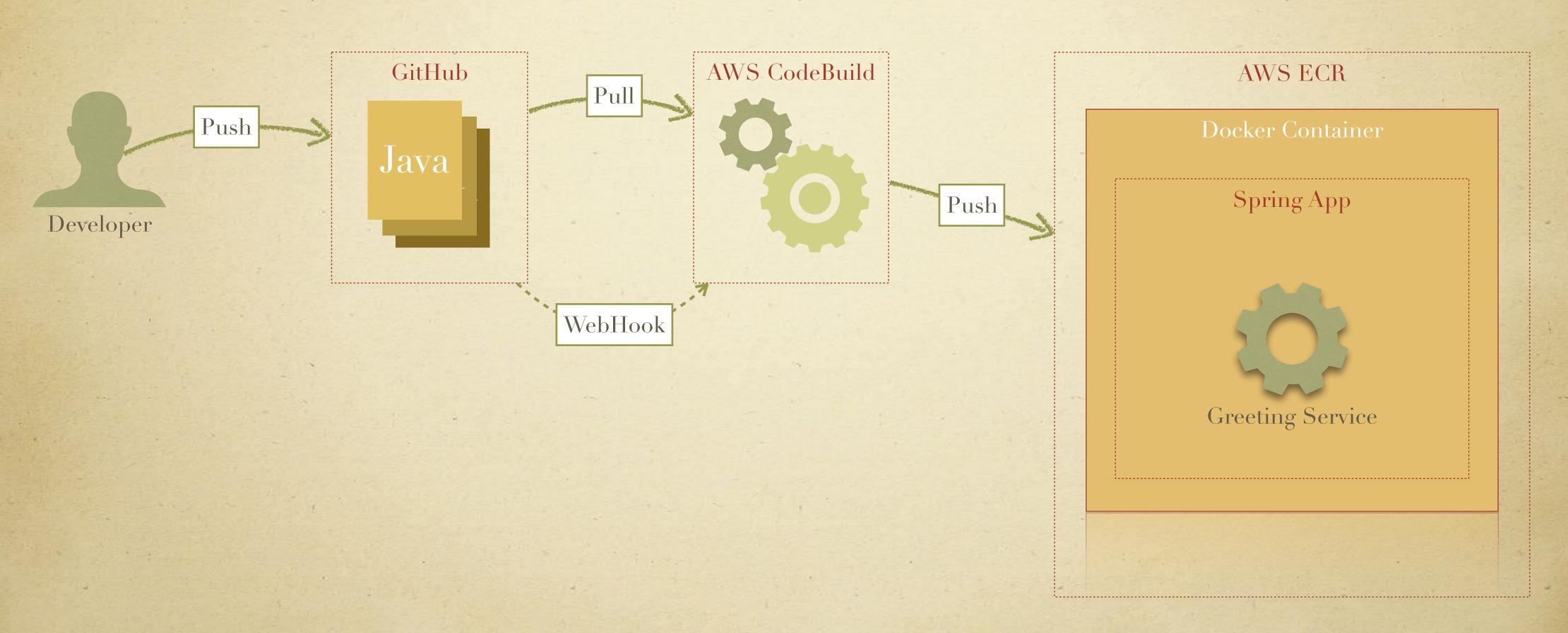




AWS CodeBuild

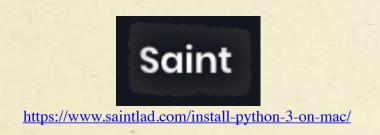
nano la

# Big Picture



# Step 3: Prerequisites

- > python 3.x
  brew install python
- > aws cli 1.16.x pip3 install awscli



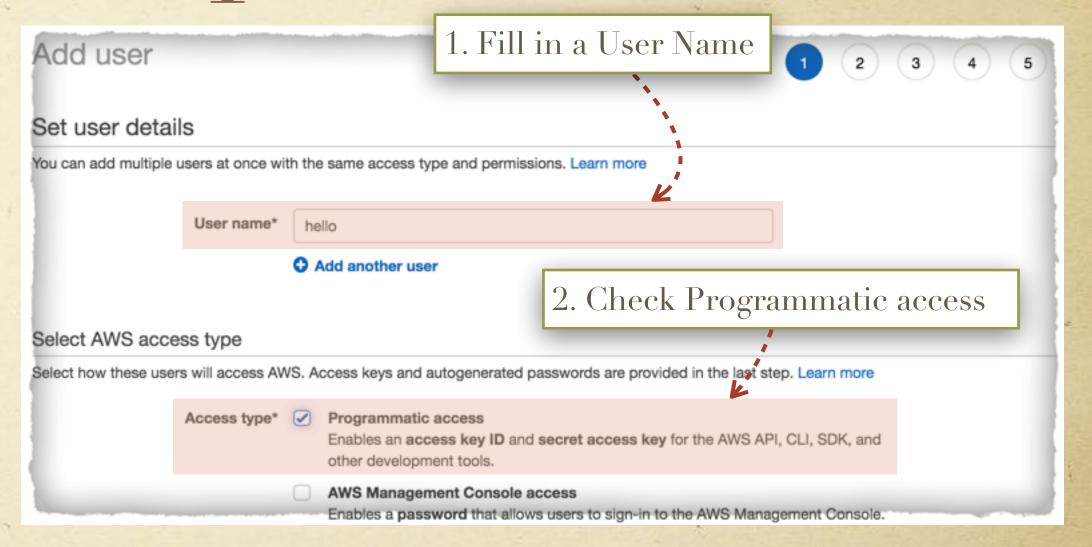


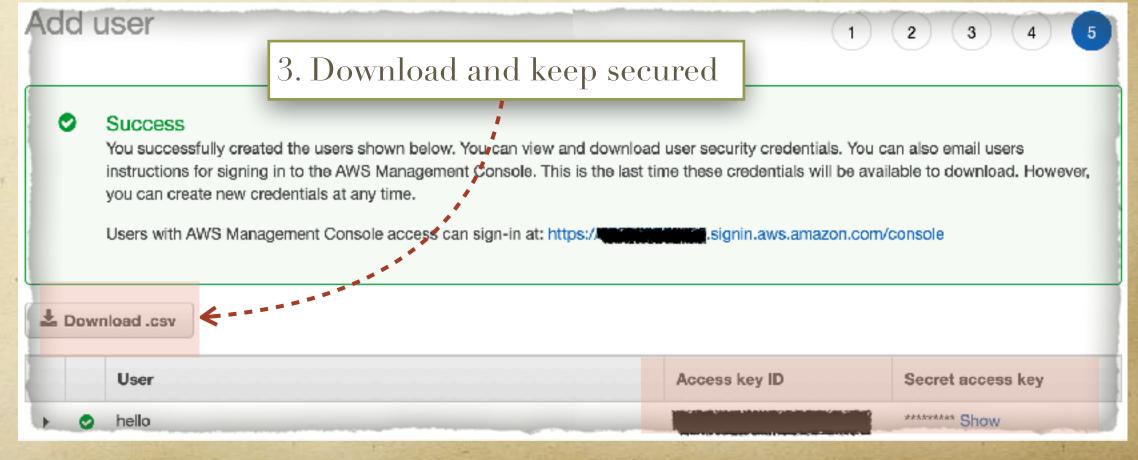
aws user

With Programmatic access
iam:PassRole, iam:CreateRole, ecr:\*, codebuild:\*
inline policies

> aws role

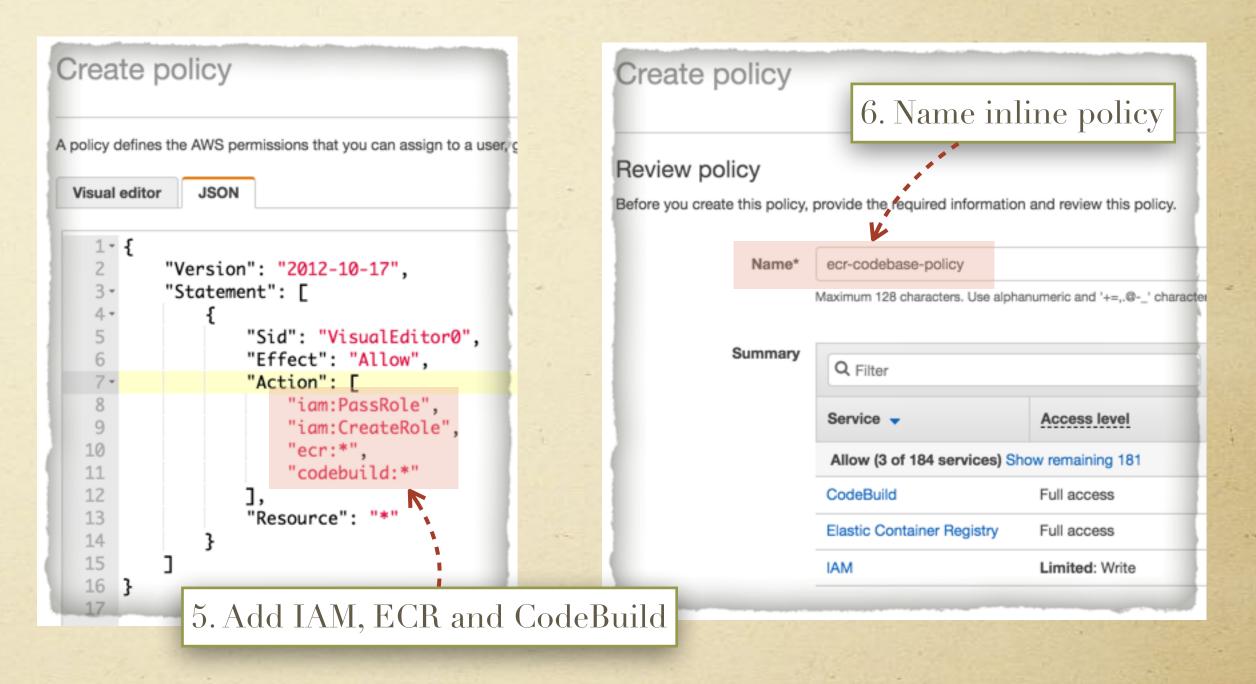
AWSCodeBuildDeveloperAccess policy CloudWatchLogsFullAccess policy ecr:\* inline policy





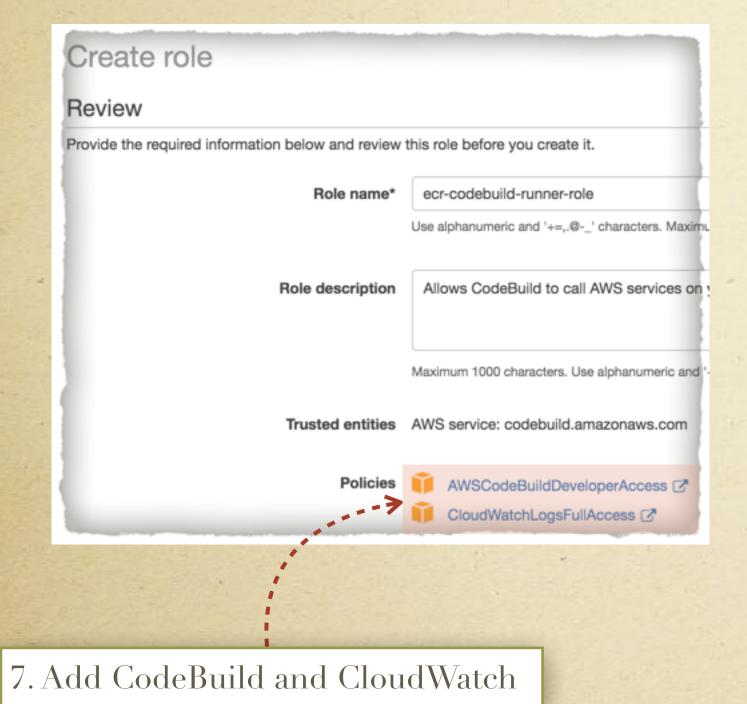
# Step 3a: Prerequisites

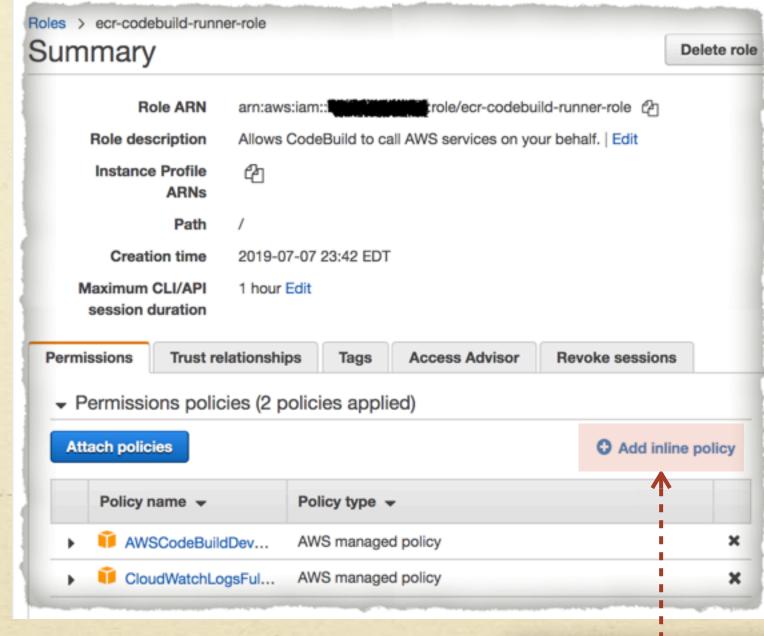


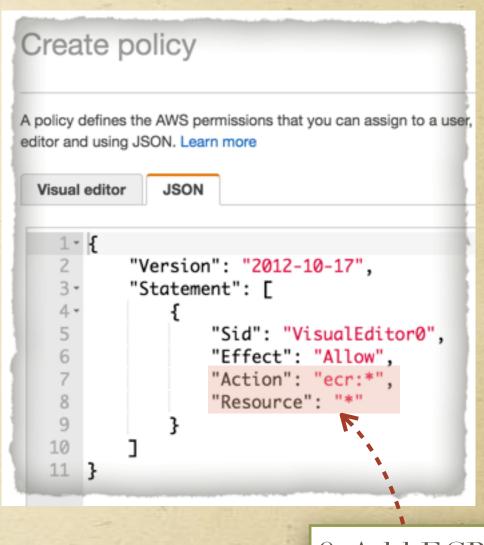


```
nano skill bash> aws ecr describe-repositories
{
    "repositories": []
}
nano skill bash>
```

# Step 3b: Prerequisites





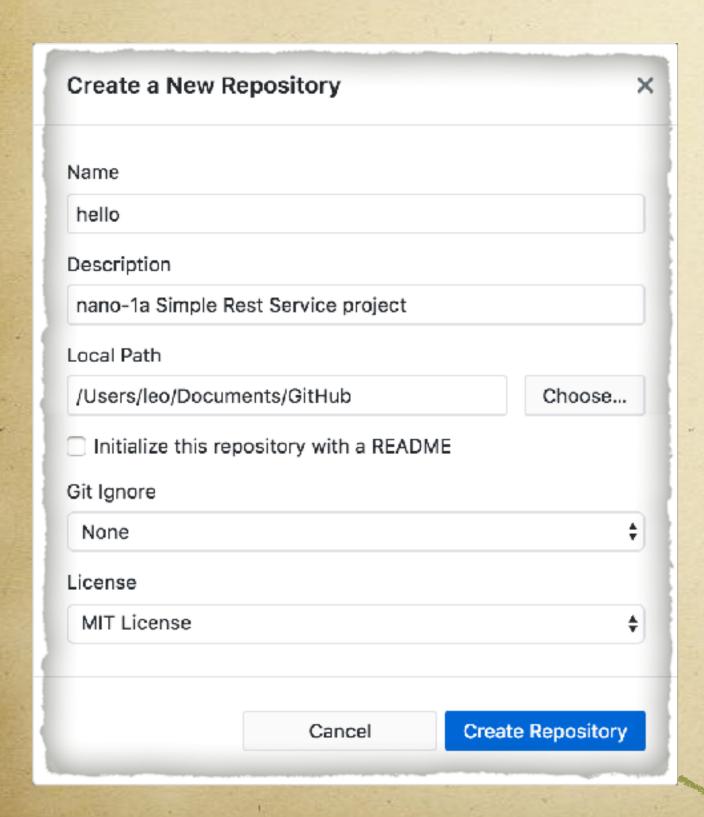


9. Add ECR

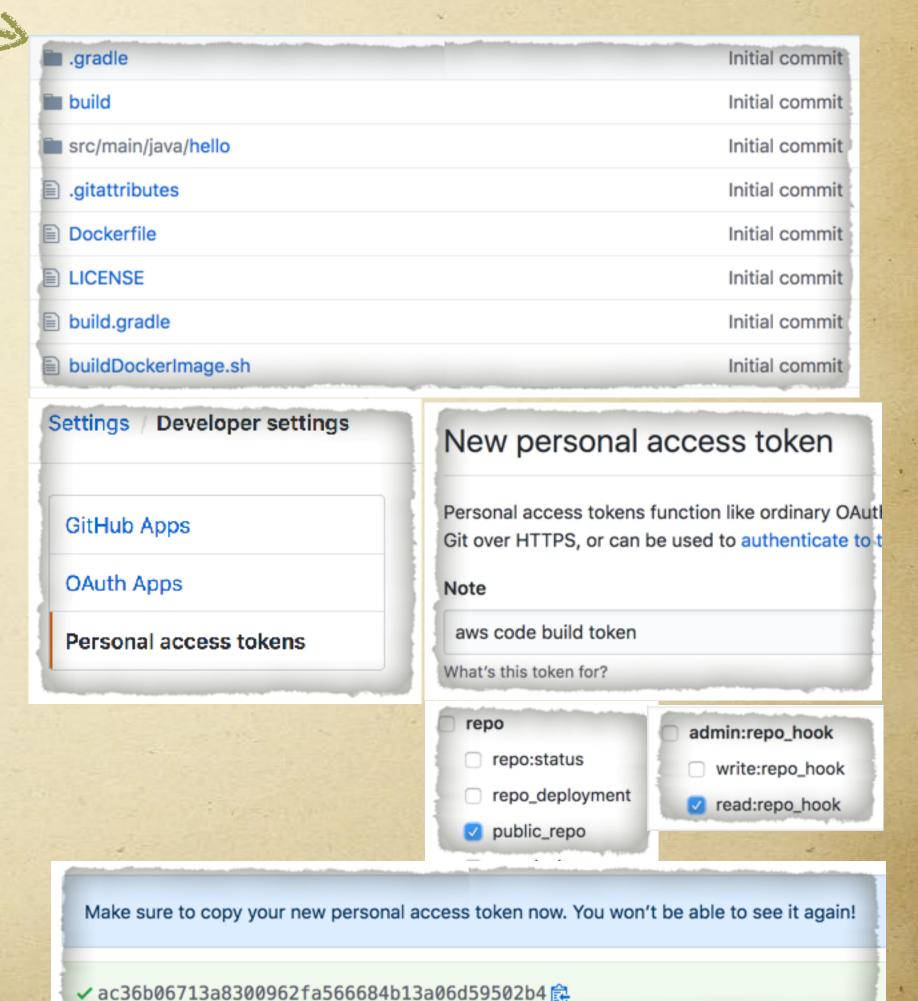
8. Add inline policy

## Step 3c: Prepare the Source Code

nano skill bash> mv hello ...







# Step 4: ECR + Code Build

- Add BuildSpec.yml
- > Create ECR Repository
- Add Code Build Project
  - > Link source from GITHUB
- > Add Webhook for GITHUB

### Test Use-cases

#### Default Greeting

```
expected='{"id":1,"content":"Hello, World!"}'
actual=$(curl -s "http://localhost:8080/greeting")
```

### > Customer Greeting

```
expected2='{"id":2,"content":"Hello, User!"}'
actual2=$(curl -s "http://localhost:8080/greeting?name=User")
```

