Panduan Deploy Dengan Cloud Run

Tutorial Deploy Simple - Step by Step

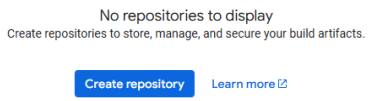
Step 1: Buat Project

- Buka console.cloud.google.com
- Klik dropdown project di atas
- Klik **"New Project"**
- Isi nama project
- Klik **"Create"**

Step 2: Enable API Registry

- Di search bar, ketik **"Artifact Registry"**
- Klik **"Artifact Registry API"**
- Klik **"Enable"**
- Tunggu sampai selesai

Step 3: Buat Repo Registry



- Masih di Artifact Registry, klik **"+ CREATE REPOSITORY"**
- Isi form:
  Name: my-repo
  Format: Docker
  Location: asia-southeast2 (Jakarta)
- Klik **"CREATE"**

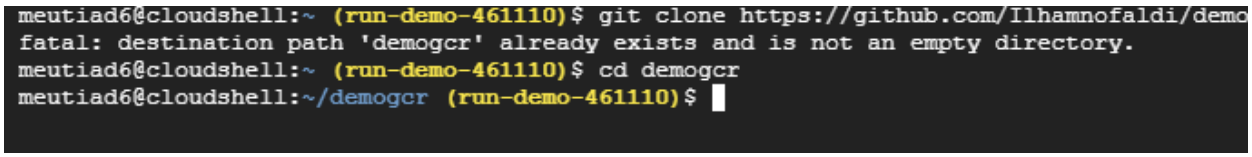
Step 4: Buka Cloud Shell

- Klik icon Cloud Shell (>_) di pojok kanan atas
- Tunggu sampai terminal muncul

Step 5: Clone Repo

git clone https://github.com/username/your-repo-name.git

Step 6: Masuk ke Root Aplikasi



cd nama-folder-repo
ls

Pastikan terlihat file package.json, Dockerfile, dll

Step 7: Cek Dockerfile

cat Dockerfile

Pastikan Dockerfile sudah ada dengan konfigurasi yang benar

Step 8: Buka Editor

- Klik "Open Editor" di Cloud Shell
- Buka terminal di editor (Terminal > New Terminal)
- Pastikan sudah di path folder yang benar:

pwd
ls

Step 9: Edit Vite Config (jika menggunakan Vite)

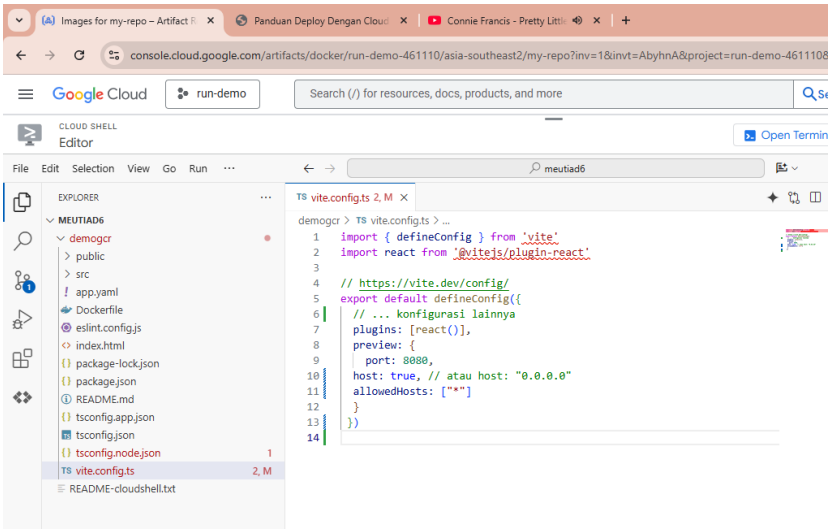
nano vite.config.ts

Tambahkan:

```
export default defineConfig({
  // ... konfigurasi lainnya
  server: {
    host: true, // atau host: "0.0.0.0"
```

```
  allowedHosts: ["*"]
 }
})
```

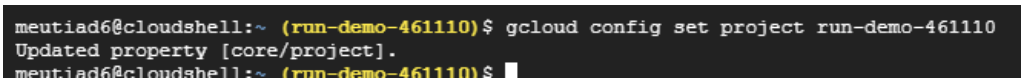
Tekan Ctrl+X, Y, Enter untuk save



Step 10: Setup Project

gcloud config set project PROJECT_ID

Ganti PROJECT_ID dengan ID project Anda



Step 11: Authentication

gcloud auth configure-docker asia-southeast2-docker.pkg.dev

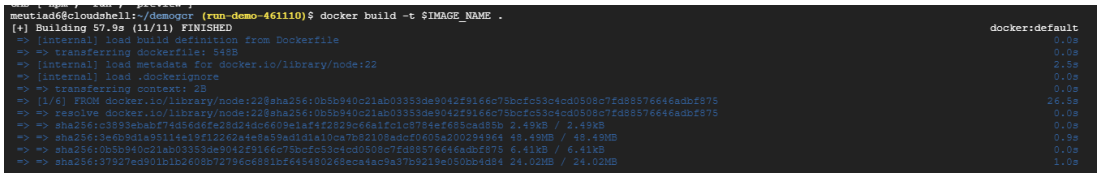
Step 12: Set Variables

export PROJECT_ID=$(gcloud config get-value project)
export IMAGE_NAME="my-app"
export REPO_URL="asia-southeast2-docker.pkg.dev/$PROJECT_ID/my-repo/$IMAGE_NAME"

```
meutiad6@cloudshell:~ (run-demo-461110)$ export PROJECT_ID=$(gcloud config get-value project)
export IMAGE_NAME="my-app"
export REPO_URL="asia-southeast2-docker.pkg.dev/$PROJECT_ID/my-repo/$IMAGE_NAME"
```

Step 13: Build Image

docker build -t $IMAGE_NAME .



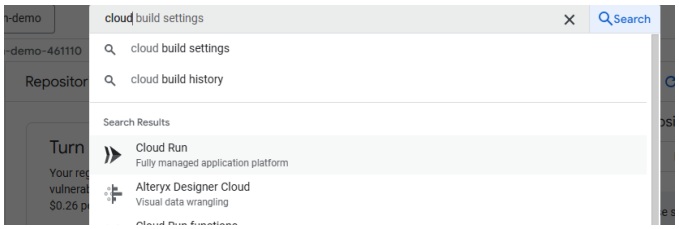
Step 14: Tag Image

docker tag $IMAGE_NAME $REPO_URL:latest

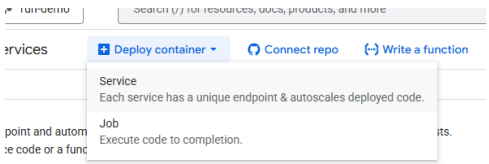
Step 15: Push Image

docker push $REPO_URL:latest

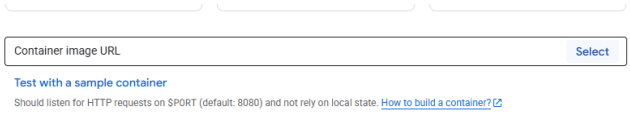
Step 16: Deploy ke Cloud Run via GCP Console



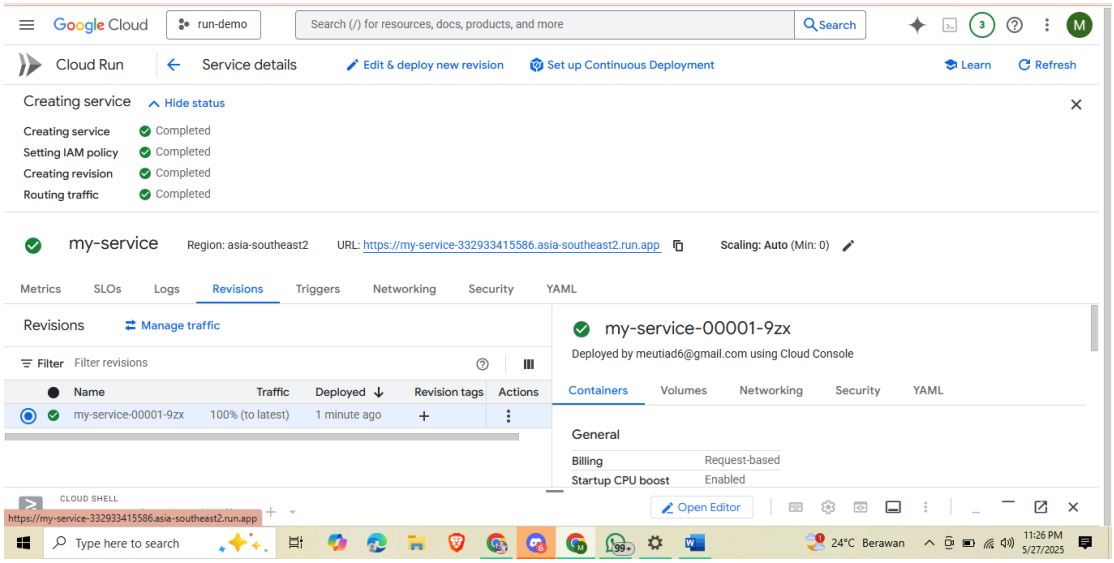
- Buka Cloud Run di GCP Console
- Klik **"+ CREATE SERVICE"**



Container image URL: Copy dari terminal:
echo $REPO_URL:latest

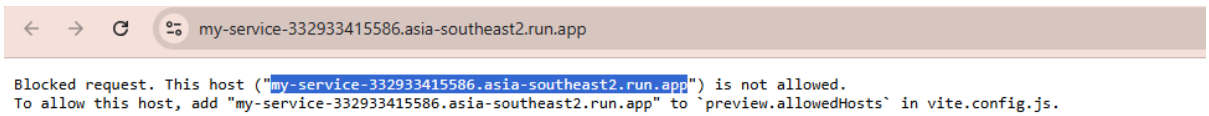


- **Service name**: my-service
- **Region**: asia-southeast2 (Jakarta)
- **CPU allocation**: CPU is only allocated during request processing
- **Authentication**: Allow unauthenticated invocations
- **Container port**: 8080
- Klik **"CREATE"**



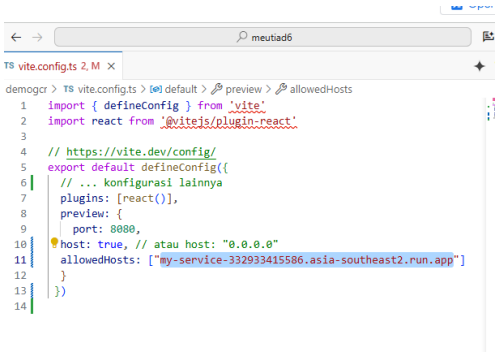
Step 17: Test

- Setelah deploy selesai, akan muncul URL
- Buka URL di browser untuk test aplikasi
- Akan muncul seperti ini



Step 18: Ubah AllowedHosts

- Copy url tanpa https
- Lalu save

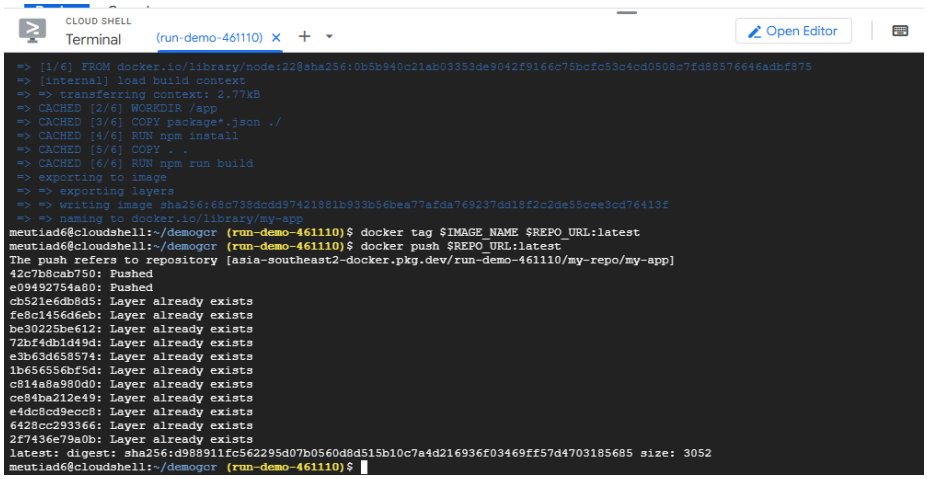


Step 19: Build ulang

export PROJECT_ID=$(gcloud config get-value project)
export IMAGE_NAME="my-app"
export REPO_URL="asia-southeast2-docker.pkg.dev/$PROJECT_ID/my-repo/$IMAGE_NAME"

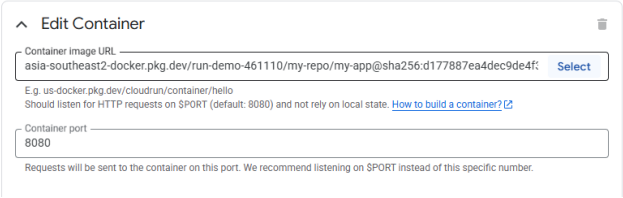
docker build -t $IMAGE_NAME .

docker tag $IMAGE_NAME $REPO_URL:latest
docker push $REPO_URL:latest

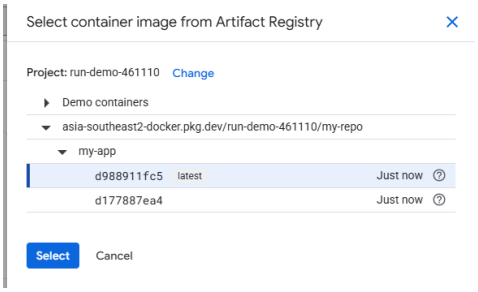


Step 20: Ganti dengan container image baru

- Buka cloud run
- Pilih **my-service**
- Lalu pilih **Edit & deploy new revision**
- Pilih select Container image URL



- Lalu ganti container image yang terbaru



Step 21: Refresh ulang

- Refresh ulang website

Commands Lengkap (Copy-Paste)

```
# Setup project
export PROJECT_ID=your-project-id-here
gcloud config set project $PROJECT_ID
gcloud auth configure-docker asia-southeast2-docker.pkg.dev

# Build dan push
export IMAGE_NAME="my-app"
export REPO_URL="asia-southeast2-docker.pkg.dev/$PROJECT_ID/my-repo/$IMAGE_NAME"
docker build -t $IMAGE_NAME .
docker tag $IMAGE_NAME $REPO_URL:latest
docker push $REPO_URL:latest

# Deploy via GCP Console
echo "Image URL untuk deploy:"
echo $REPO_URL:latest
```

Untuk Deploy:
- Buka Cloud Run di GCP Console
- CREATE SERVICE
- Paste image URL dari terminal
- Region: Jakarta (asia-southeast2)

- Allow unauthenticated invocations