

# PseudoCode

## Bake pipeline

- Pick the golden AMI
- Run Docker
  - Install key software such as the application or the database.
  - Configure the install software by moving config files onto the box.
- Run a golden AMI test report to check the strength of the box.
- Stop all processes on the AMI
- If all previous tasks pass
  - Publish the AMI.
- Else
  - Return logs to the console
  - Close any running AMIs.
- Finally
  - End the pipeline.

### Notes

Golden AMI is an AMI that is used consistently within the project or company which has been hardened.

## Deploy pipeline

- Select AMI image
- Run terraform script
  - Deploy Blue version
  - Switch DNS
- Check health of Application or database
- If check passed
  - Destroy Green version
- Else
  - Switch DNS
  - Destroy Blue version
  - Return error.
- Finally
  - End the pipeline.

### Notes

When running the terraform script the environment and AMI ID need to be passed in as variables.

Using a Green and Blue system to allow for rollback.