

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.