Spinnaker Introduction

By OpxMx

History Spinnaker

- Development Started in **2014** by **Netflix**.
- **Battle tested** by Netflix in **production** since **2015**
- Open Sourced in **2015 November**
- Backed by Netflix, Google, Microsoft,Veritas, Target, Kenzen etc..

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What is Spinnaker ?

- Spinnaker is Open Source **Multi Cloud** continuous delivery platform.
- Spinnaker also supports **Application management.**
- Build for **releasing** software changes with **high velocity and with confidence in the Production.**
- Spinnaker is Designed with **pluggability** in mind.
- With Spinnaker we Create and **deploy immutable images for faster rollouts**, easier rollbacks, and the **elimination** of hard to **debug configuration drift issues**.
- Spinnaker Support all **Major Cloud Providers** out there**.**
  - Google Cloud, AWS, Azure, Google App Engine, OpenStack, Kubernetes, Oracle Cloud etc..,
- Using Spinnaker we can Create **deployment pipelines** that run **Integration and System tests**.
  - Trigger pipelines via git events, Jenkins, Travis CI, Docker, CRON, or other Spinnaker pipelines.

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Why Spinnaker ?
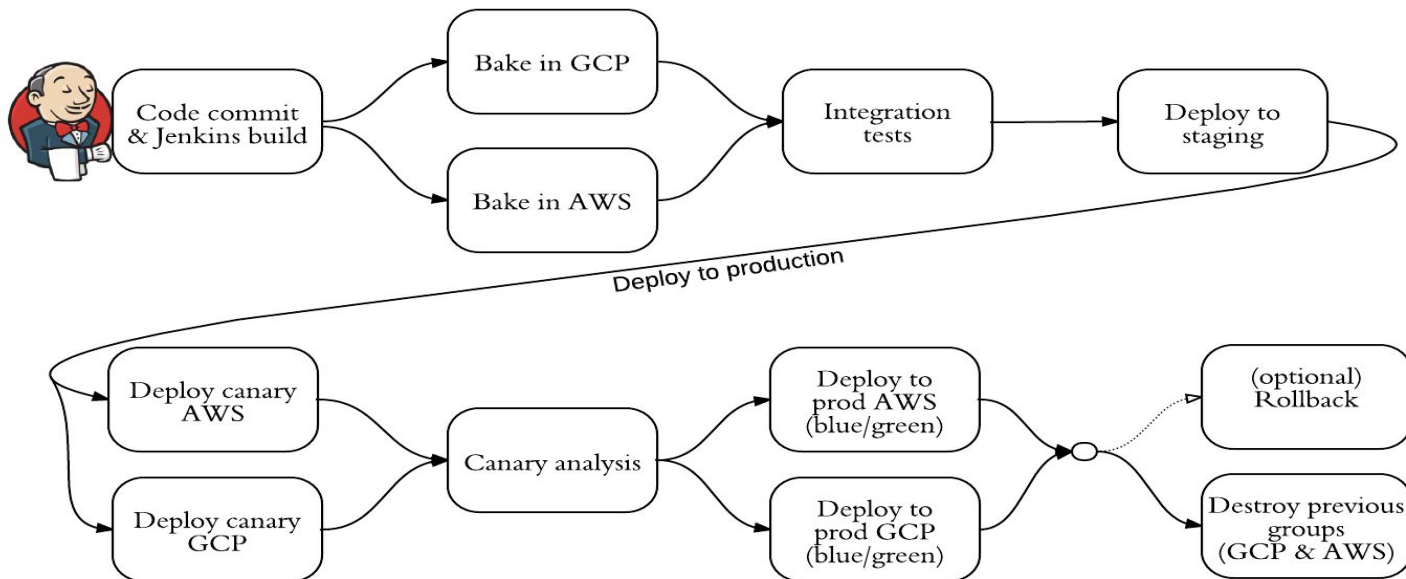
- The **Goal** of Spinnaker is to make **reliable** deployments.
- Spinnaker offers deployment pipeline and also allows for **easy rollbacks**.
- Built for **High Velocity**, (i.e) deploy **faster and often**.
- Spinnaker has **Flexible pipeline** management system.
- **Big active and vibrant community**
- **Integration** with all the **major cloud providers** supports both **on-prem** and **kubernetes**.
- **Loaded with Feature-rich settings :-**
    - CI Integration
    - CLI for setup and Admin
    - VM Bakery
    - Role-Based Access Control
    - Whitelisted Execution Window
    - Monitoring Integration
    - Notification & Manual Judgement
    - Chaos Monkey Integration

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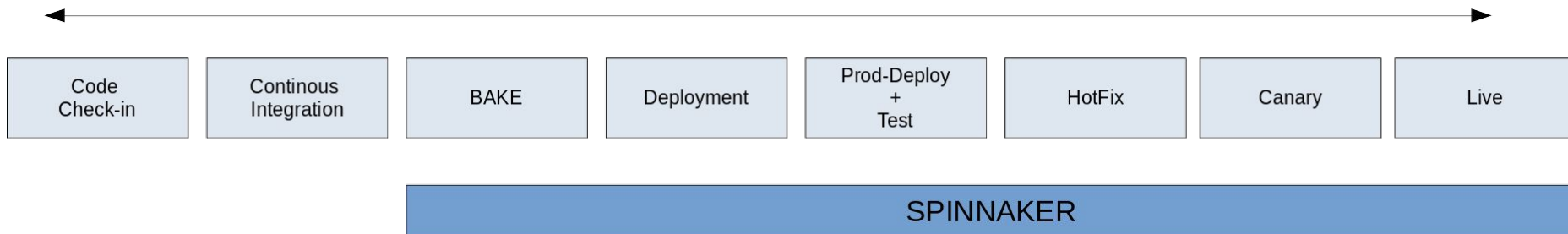
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Google Waze - Spinnaker Overview

Thank You :)