

KENZAN

Digital Consulting + Software Engineering

Zero-to-Canary with Spinnaker
Part III: Orchestration w/ Spinnaker Pipelines

Transforming businesses that use technology
into technology organizations that do business.



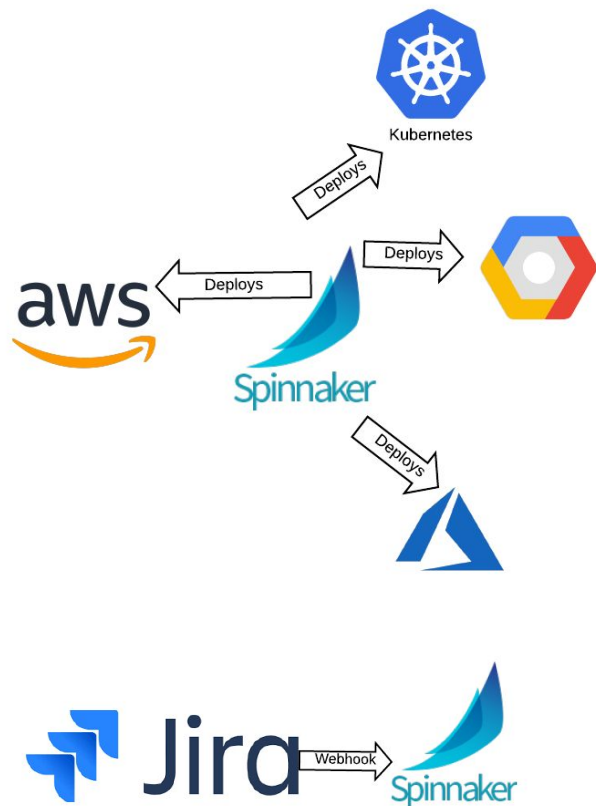
Agenda

Orchestration in the Enterprise

Control Plane?

Hands-on

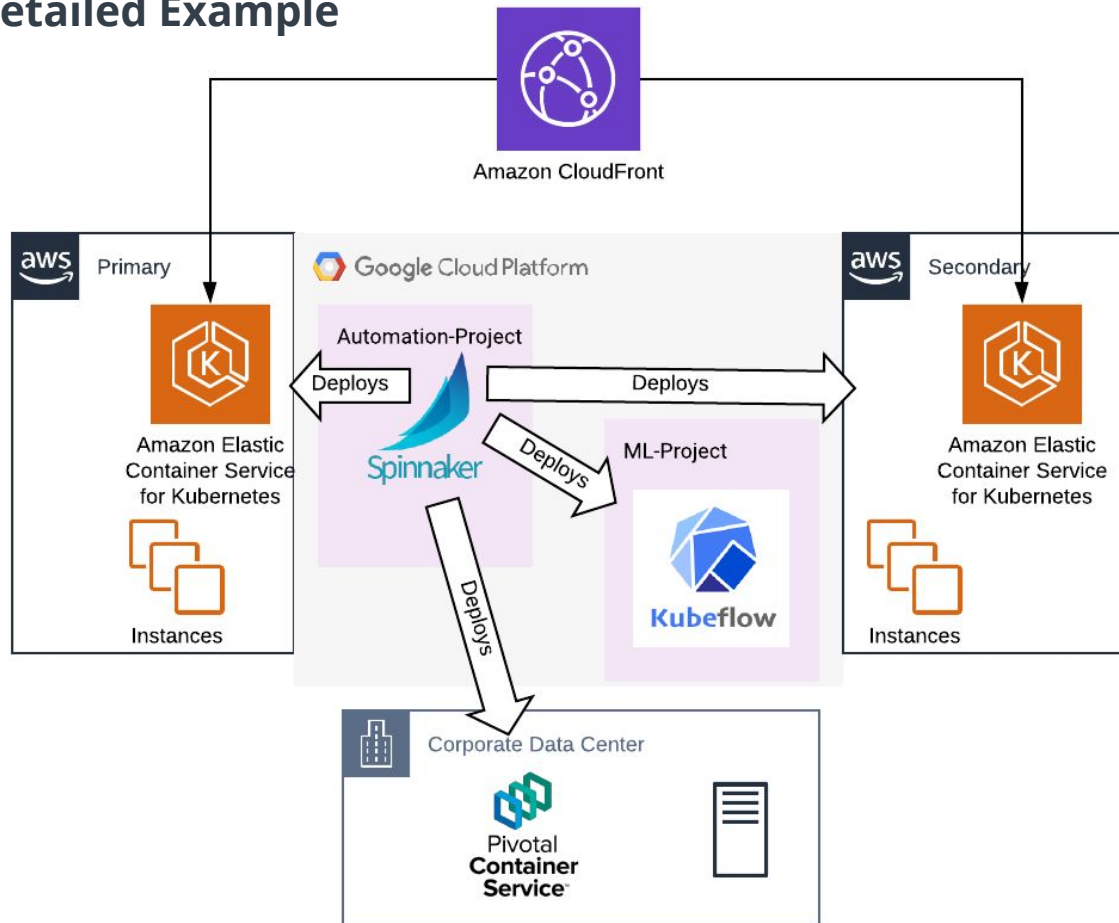
Orchestration in the Enterprise



- More elaborate solution stacks
- Business value may be a hybrid cloud solution
- A company may choose the best of all clouds... IE Multi-Cloud
- We need to couple the orchestration of our technology solutions with or delivery processes

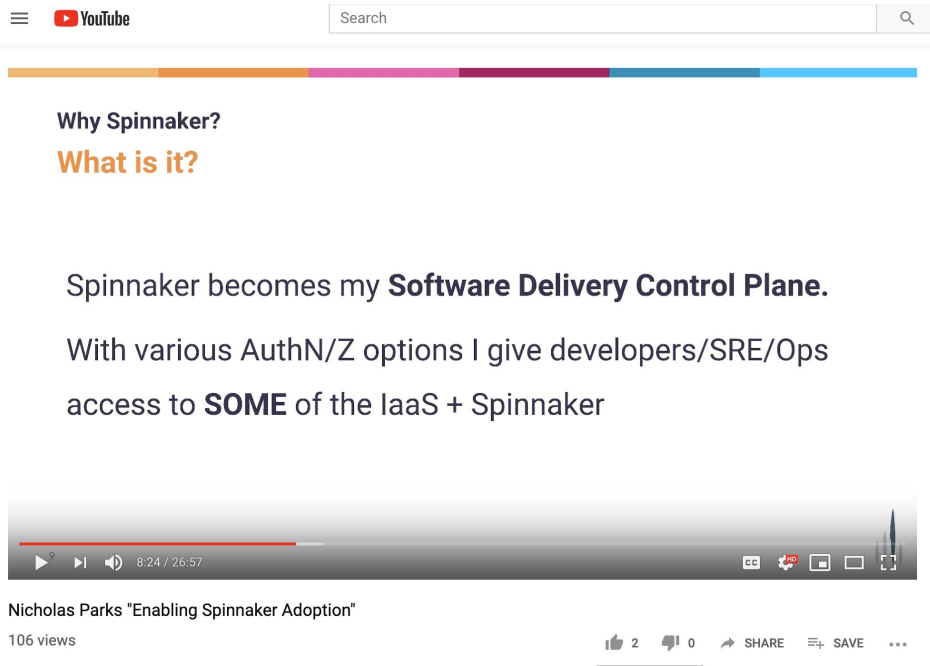
Orchestration in the Enterprise

Detailed Example



Orchestration In the Enterprise

Infrastructure and Actions



<https://www.youtube.com/watch?v=JwnEUO-plj8>

Deliver App on Infrastructure

I need something that provides software delivery orchestration at the Enterprise level

I need to see where my business value went

I would like to go to one place to see what is happening

Control Plane?

Infrastructure Views

CLUSTERS

LOAD BALANCERS

FIREWALLS

Edit multiple

Show

☒ Instances

☐ with details

Create Server Group

CDCI-RUNTIME-GKEGCR

helloagain-uat

2 ▲ : 100%

APPS

V000: nparkskenzan/hellokenzan:mstr

2 ▲ : 100%

CDCI-RUNTIME-GKEGCR

helloagain-prod

4 ▲ : 100%

APPS

V000: nparkskenzan/hellokenzan:mstr

4 ▲ : 100%



helloagain-uat-v
000

Server Group Actions

SERVER GROUP
INFORMATION

Created 2019-08-14
17:34:06 PDT

In CDCI-RUNTIME-GKE

Namespace apps

Kind ReplicaSet

YAML [Show YAML](#)

Control Plane?

Infrastructure Views

[CLUSTERS](#) [LOAD BALANCERS](#) [FIREWALLS](#)

Show ☒ Server Groups ? ☐ Instances ?

Create Load Balancer

Filtered by: [STACK: prod](#) [STACK: uat](#) [Clear All](#)

CDCI-RUNTIME-GKEGCR

helloagain-uat

APPS 2 ▲ : 100%

helloagain-uat-v000

CDCI-RUNTIME-GKEGCR

helloagain-prod

APPS 4 ▲ : 100%

helloagain-prod-v000

helloagain-uat

Load Balancer Actions

LOAD BALANCER DETAILS

Created

2019-08-14 17:32:28 PDT

In

CDCI-RUNTIME-GKEGCR

Namespace

apps

Kind

Service

YAML

Show YAML

Kube UI

helloagain-
uat

Control Plane?

Multi-Step Pipelines

+ prod-deploy

Permalink



Pipeline Actions



CDCI-RUNTIME-GKEGCR

prod-deploy

Trigger: enabled

Configure

Start Manual Execution

**UAT-DEPLOY
PIPELINE**
[anonymous]
2 days ago
[Details](#)



CDCI-RUNTIME-GKEGCR

prod-seed

Configure

Start Manual Execution

Hands On

Creating a Triggered Pipeline

Your environment should already have a couple simple pipelines created.

- You will create a new pipeline that is triggered via Google PubSub
- The Google PubSub Message will originate from Google Container Registry
- The Container Registry sends a message based on a Google Cloud Build action

The screenshot displays the Google Cloud Build interface for a pipeline named 'dev-deploy' under the project 'CDCI-RUNTIME-GKEGCR'. The pipeline is in a 'Trigger: enabled' state. A recent build, triggered by 'PUBSUB' 2 days ago, is shown with a status of 'SUCCEEDED' and a duration of 00:47. The build log indicates that 1 received artifact was not consumed. The interface includes buttons for 'Configure' and 'Start Manual Execution'.

Project	Pipeline	Trigger	Action
CDCI-RUNTIME-GKEGCR	dev-deploy	Trigger: enabled	Configure Start Manual Execution

Build Name	Time	Status	Duration	Actions
PUBSUB 2 days ago 1 received artifacts were not consumed Details	[Progress Bar]	SUCCEEDED	00:47	Refresh Delete

Time to Play

PubSub Lesson in Github