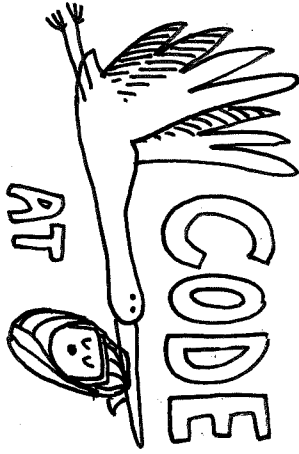


AIRSHIP



SHIPPING

This is the repository of all the containers we create.

It doesn't care what language your code is in! This container will hold your code.

JARGONS

You wrote the code, and it's ready to go out into the world!


DEPLOY STEPS


0 Make sure the deployment manager knows about the service.

II Create a docker container and put it in GCR via Jenkins.

2 Update the instance template so the recipe uses the new version via Spinnaker's "deploy" step. Secrets (like passwords) get added to the recipe too!

3 Spinnaker's "update" step makes the IGM pull the latest instance template to restart the VM.

the vtr.
Do these for canary first! 
Check how it does before moving on!

canary 

See how your code does by
deploying to just one VM!
We call this VM canary.

The conductor of the deployment orchestra.

DM ("deployment manager")

This is the recipe on how to spin up a VM for the 16M.

instance template

We might have many VMs that run the same code. 1Gm manages them.

IGM ("instance group manager")

LAYOUT

GR I

instance template

The diagram illustrates a workflow or data flow. At the bottom, there is a stack of four rectangular containers. A dashed arrow originates from the top container and points upwards to a book. The book is titled "How to Run ARGON". To the left of the book, there is a small box containing the number "2".

The diagram consists of two rounded rectangular boxes. The top box contains a 3D cube labeled 'boxtop' and the text 'GCE' to its left. The bottom box contains a similar 3D cube labeled 'boxtop' and the text 'GCE' to its left, with a small black arrow pointing to the 'GCE' text. A dashed arrow points from the 'GCE' text in the top box to the 'GCE' text in the bottom box.

1GM (this one manages 2 VMs)

CHECKING CANARY

One last step to check if the code changes are healthy!

Overall,

- check logs for anomalies.

- execute the new code

- monitor dashboards

If the canary looks good,
move on to deploying the
code to the rest of the
VMs.

thanks for
checking!



CONFIRMING CODE DEPLOY

There are a few ways to check if the code really got deployed.

- check the instance template name. It's based on the epoch timestamp when it was created.

- check the config in the instance template. The 'custom metadata' field shows the container version.

- ssh into an instance and
- docker ps to see the container version that's running.

How To Roll Back

Follow the same process as regular deploys but set the 'tag' as the code version you'd like to revert to during the "deploy" step in spinaker.

like to