



Container-native Cloud

How does Hyper.sh compare?

I just want to deploy a Docker application

Manage your own cluster

K8s/Mesos/Nomad

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manage your cluster

ECS, GCE, Docker Cloud,
Joyent

I just want to deploy a Docker application

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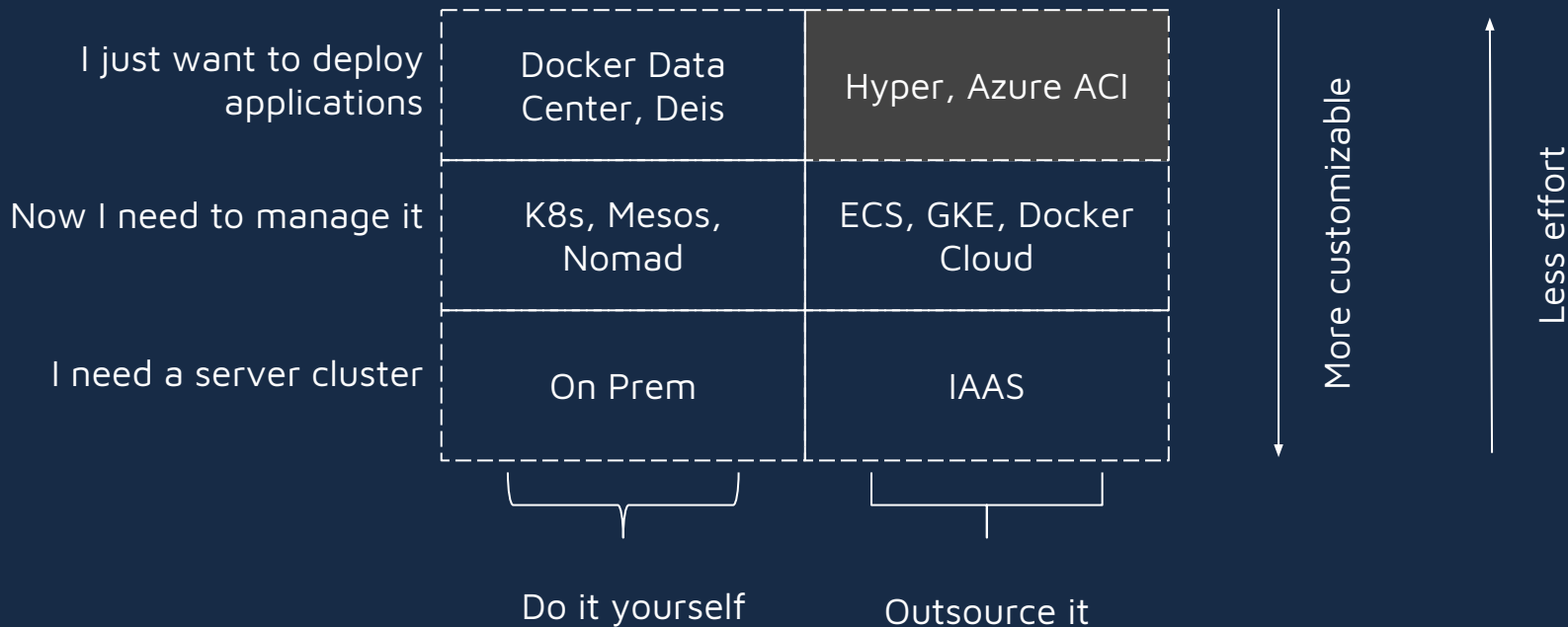
There is no cluster

Hyper, Azure ACI

How much do you want to do yourself?

PaaS/CaaS	Docker Data Center, Deis	Hyper, Azure ACI
COE	K8s, Mesos, Nomad	ECS, GKE, Docker Cloud
Server Cluster	On Prem	IAAS
	Do it yourself	Outsource it

How much do you want to do yourself?



Hyper vs Docker Cloud example

A solid dark grey rectangle with a dashed white border, containing the word "Hyper" in white text.

Hyper

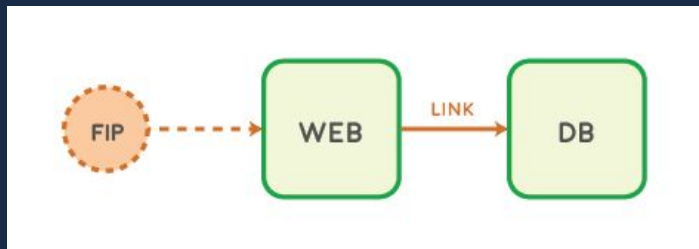
hyper run ubuntu
You're done!

A dashed white rectangle containing the text "Docker Cloud" in white text.

Docker Cloud

1. Connect to your IAAS provider
2. Provision a VM cluster
3. Now you can deploy an app
4. But, now you still need to maintain your cluster!

DEMO: Deploying a web application with database



```
hyper run -d --name db hyperhq/postgres
hyper run -d --name web -p 80:80 --link db hyperhq/webapp python app.py
FIP=$(hyper fip allocate 1)
hyper fip attach $FIP web
curl $FIP:80
> Hello: linked database is "tcp://<ip_of_db>"
```

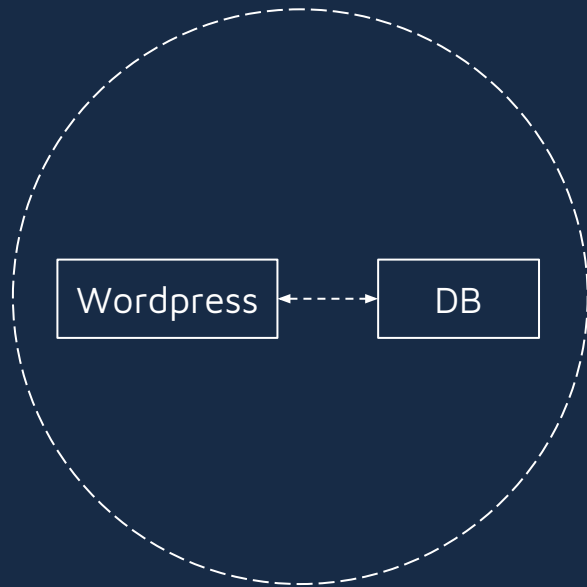
You could also do this in one command with hyper compose as we'll see below

How are people using Hyper.sh?

So how are people using Hyper.sh?

As a host for Docker apps, of course!

```
hyper compose up -f my-web-app
```



So how are people using Hyper.sh?

Running demos of complex software like Puppet

“Hyper.sh makes it super easy for developers to launch containers in the cloud today.

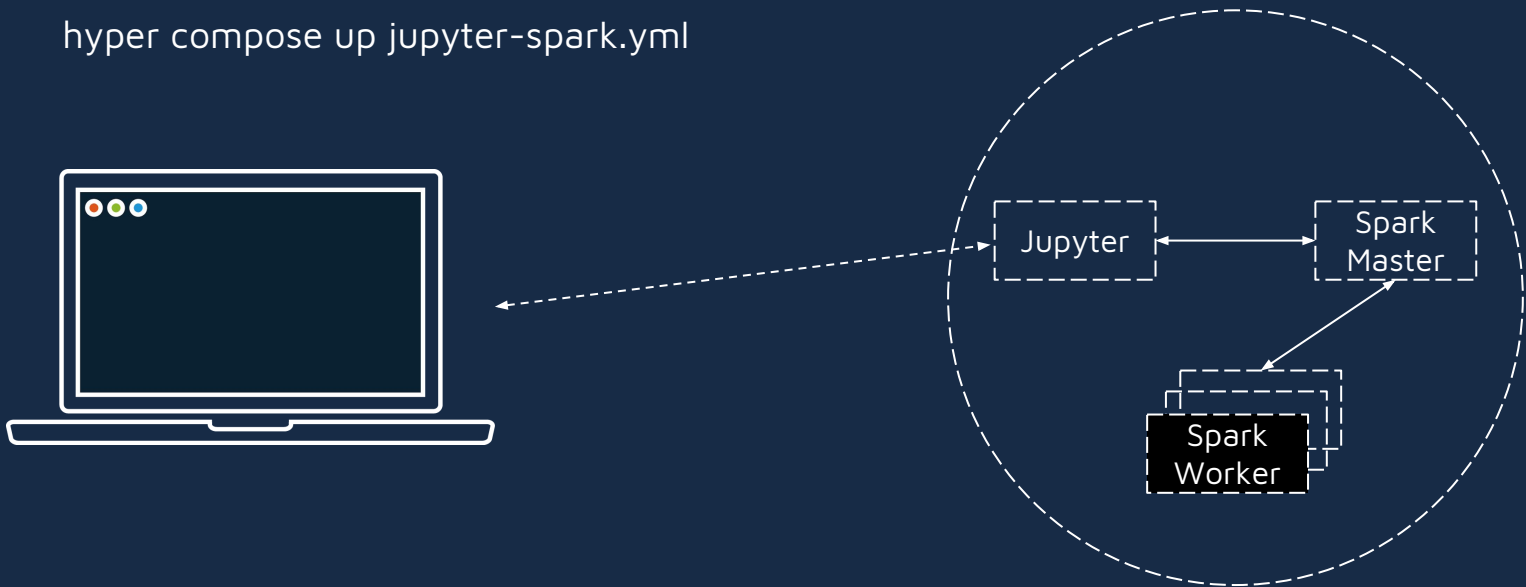
And the best bit is if you already know the Docker command line tools you already know how to use Hyper”.

Gareth Rushgrove, PuppetLabs/Devops Weekly

So how are people using Hyper.sh?

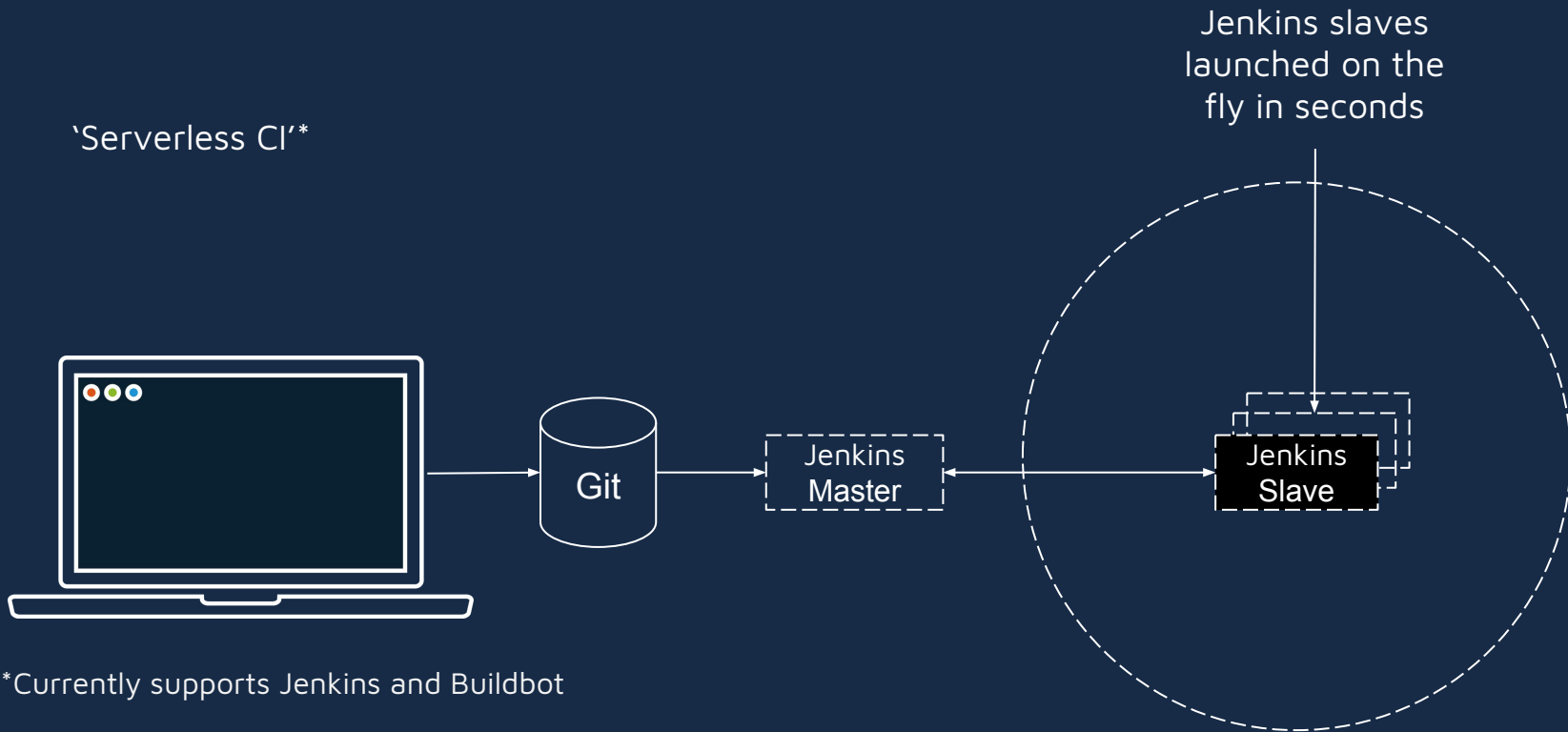
Development environment with infinite capacity

`hyper compose up jupyter-spark.yml`



So how are people using Hyper.sh?

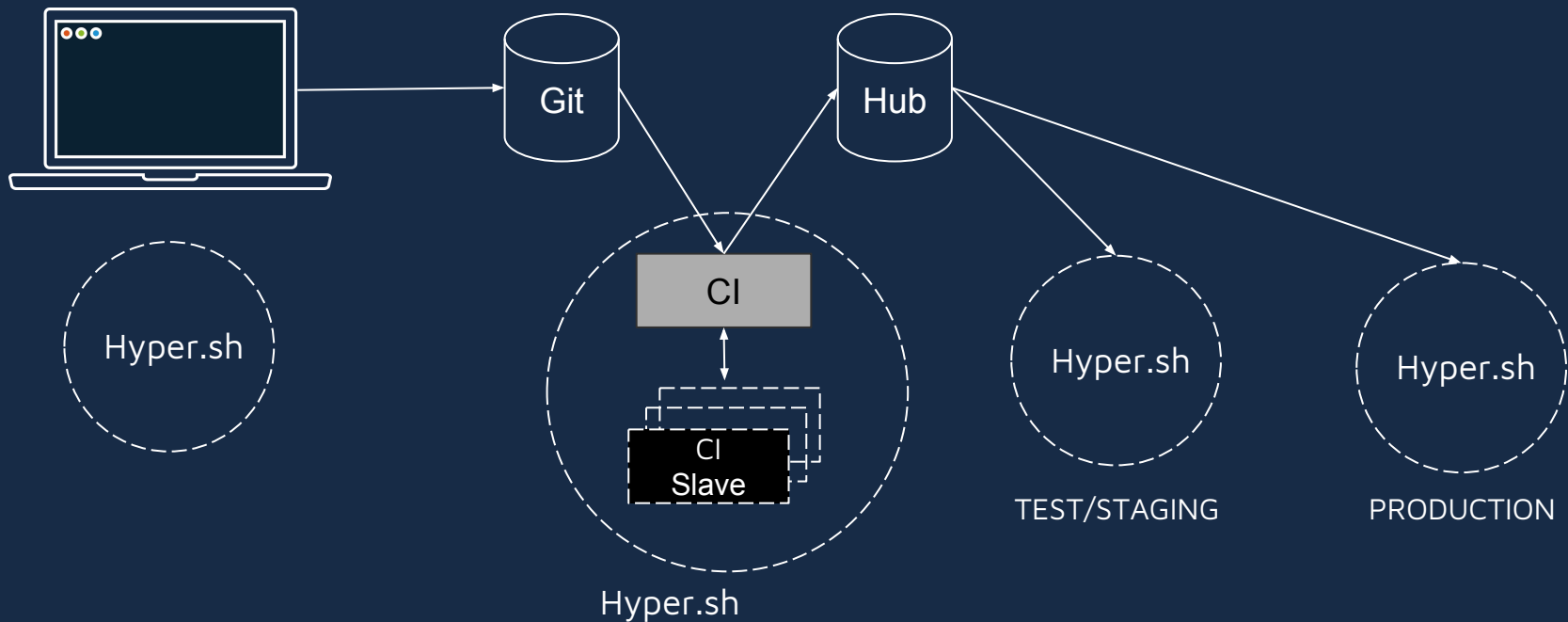
'Serverless CI'*



*Currently supports Jenkins and Buildbot

Delivery pipeline

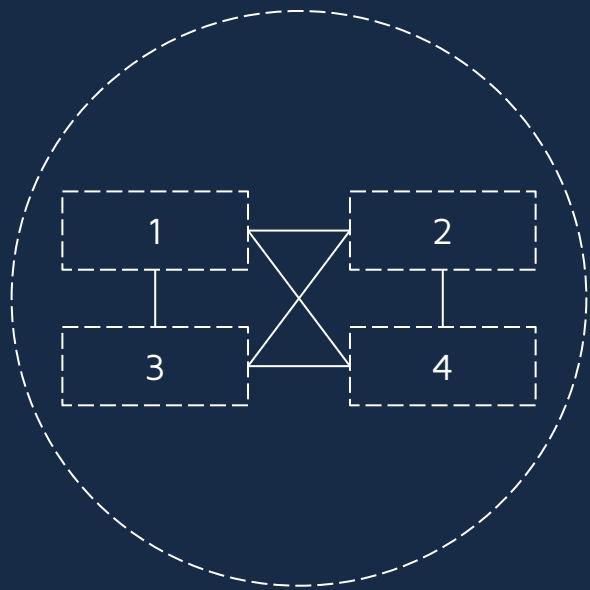
Delivery Pipeline



Under the hood

Networking

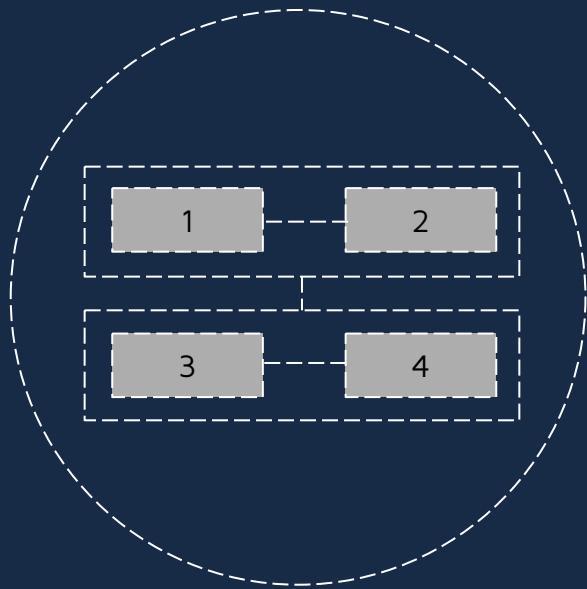
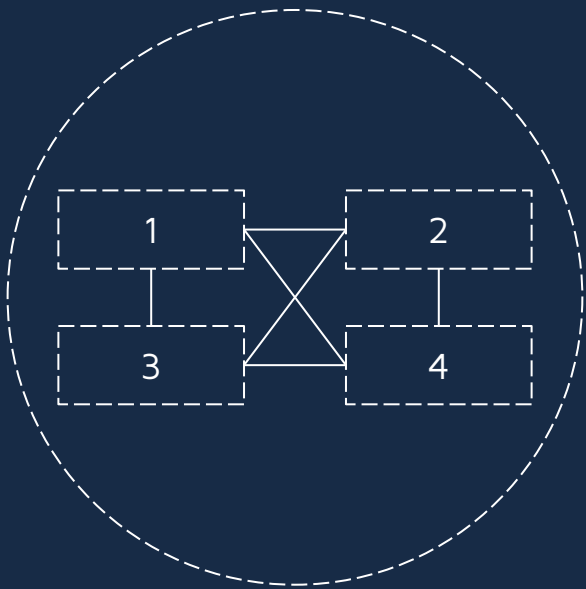
All your containers can access each other on L2



Network testing with iperf yields ~2.7Gbits/sec

Networking

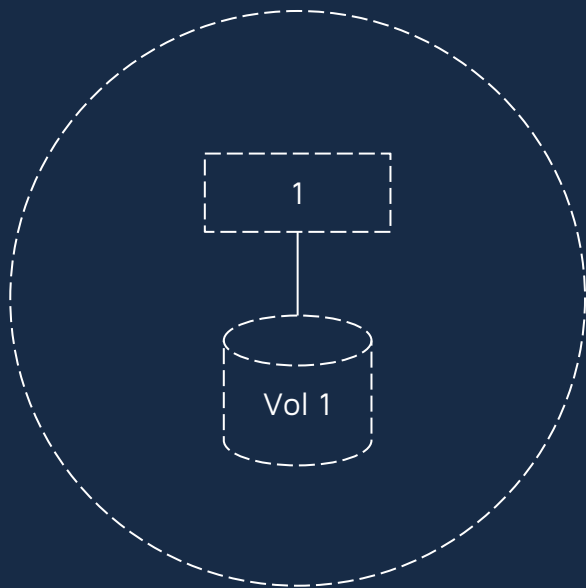
All your containers can access each other on L2
but you can also use security groups to create layers



Network testing with iperf yields ~2.7Gbits/sec

Storage

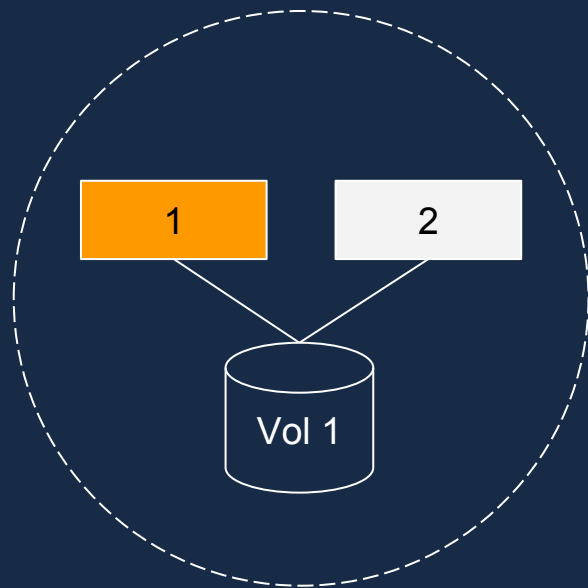
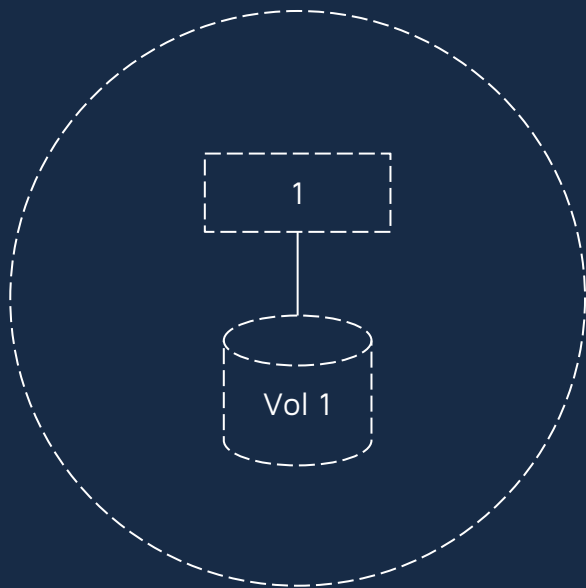
EBS like volume store with automatic replication and backups



All storage is SSD yielding 250-300MB/s writes

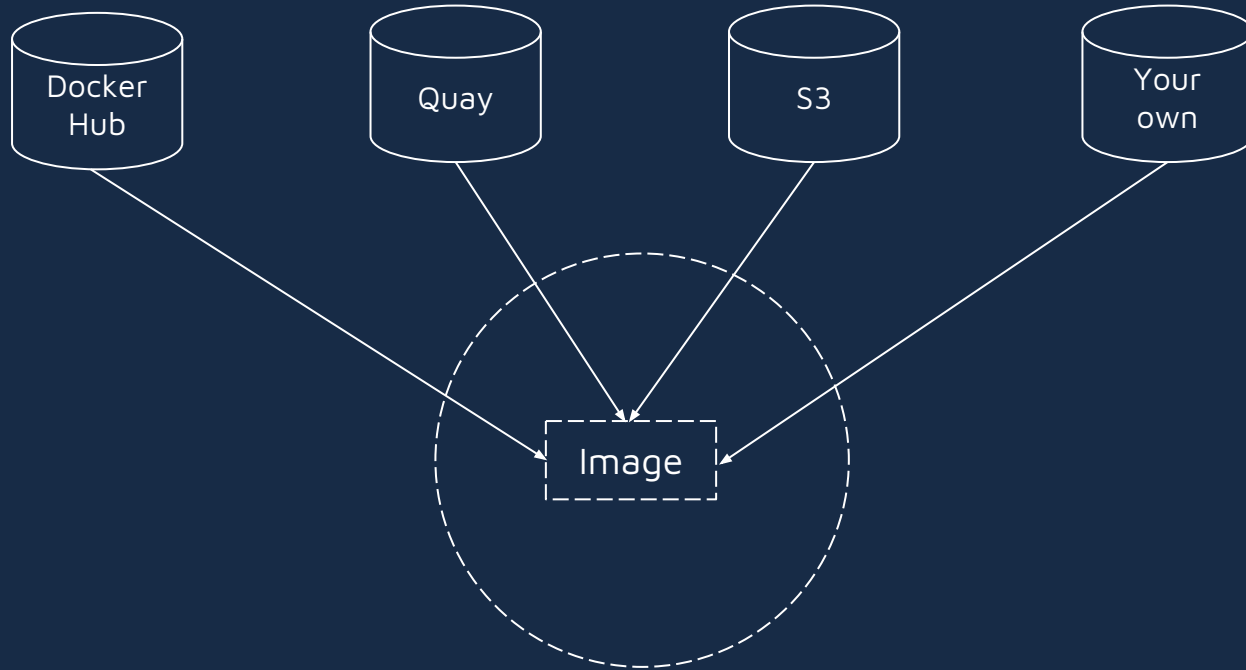
Storage

EBS like volume store with automatic replication and backups
plus snapshots for redeloys



All storage is SSD yielding 250-300MB/s writes

Choose your registry



Further information

Further information



Public Roadmap: <https://trello.com/b/7fEwaPRd/roadmap>

Twitter: https://twitter.com/hyper_sh

Slack: <https://slack.hyper.sh/>

Blog: <https://blog.hyper.sh/>

Website: <https://hyper.sh/>