

Turning Containers into Cattle

Subbu Allamaraju

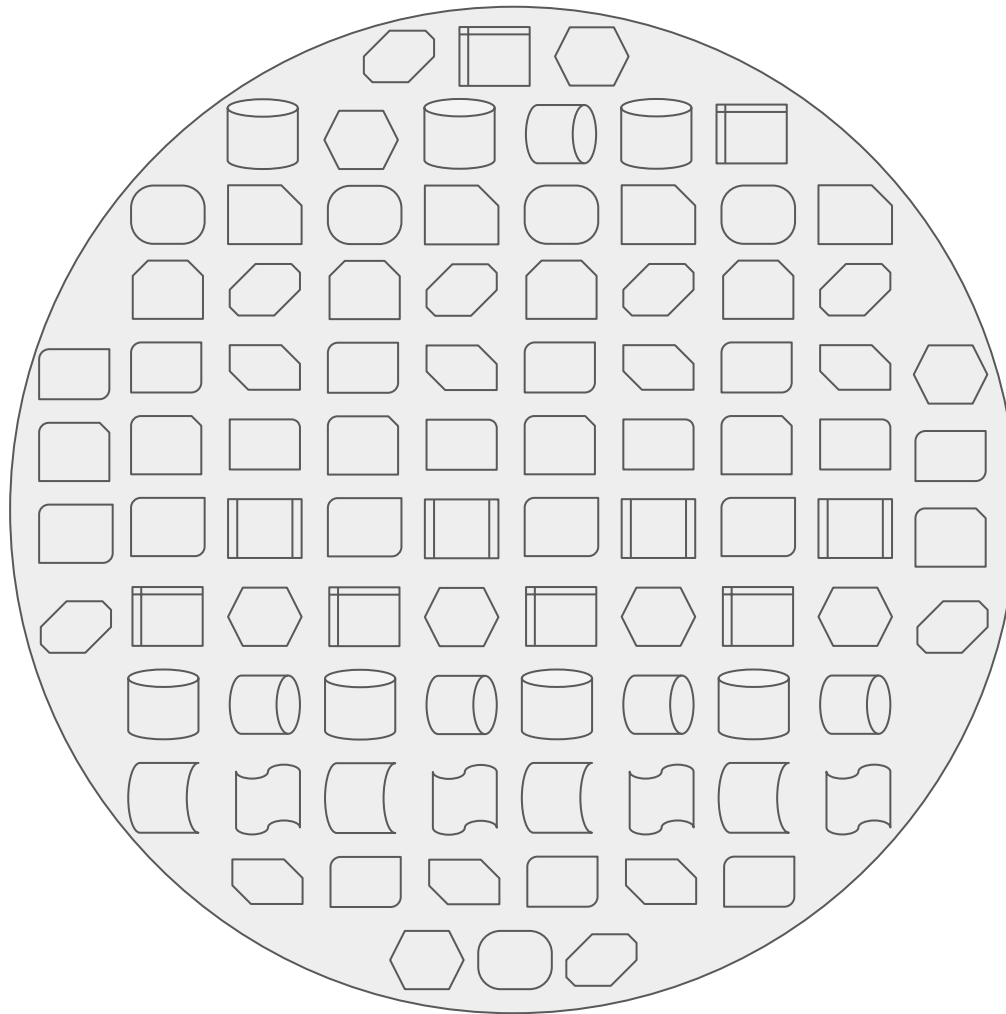


null hypothesis

Containers don't matter

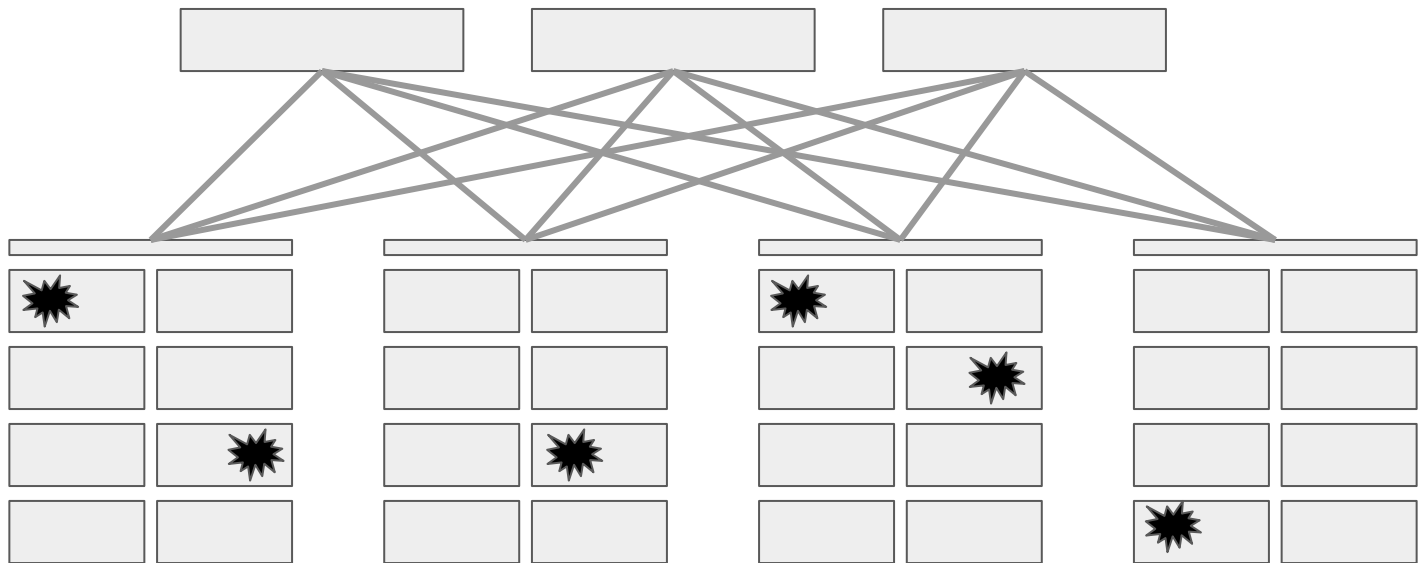
Schedulers don't matter

Cluster managers don't matter



Heterogeneity
is the norm

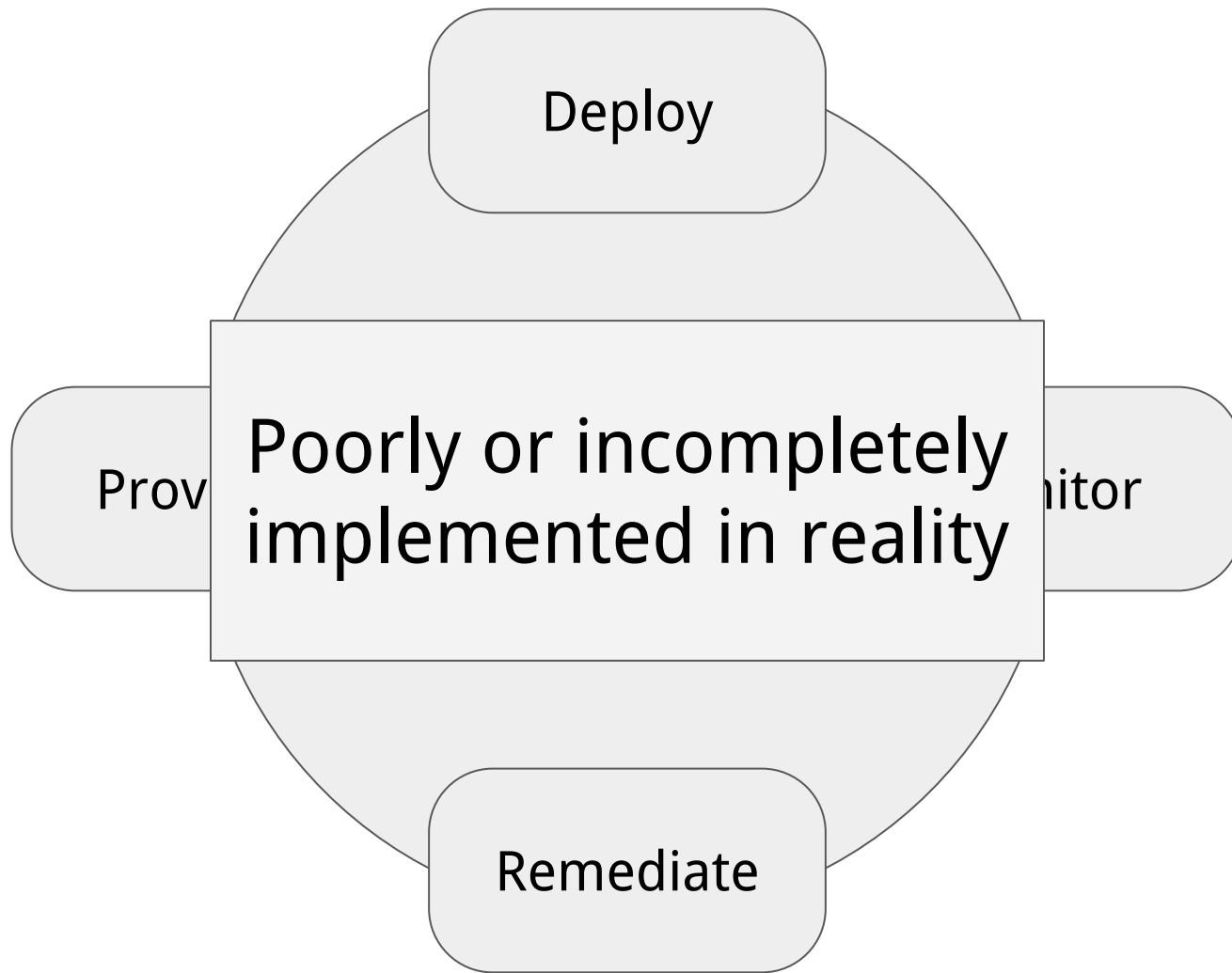
Operational
overhead

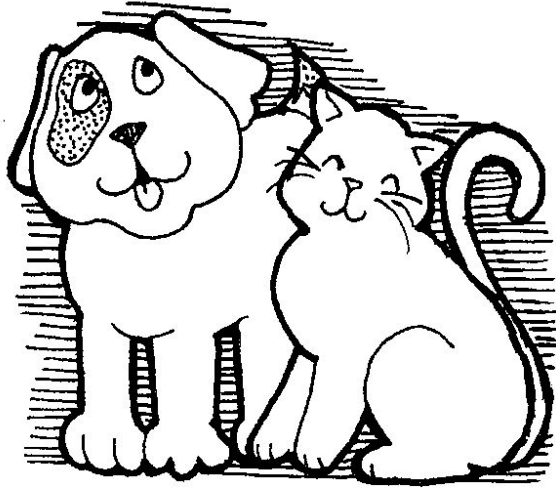


Change → fragility

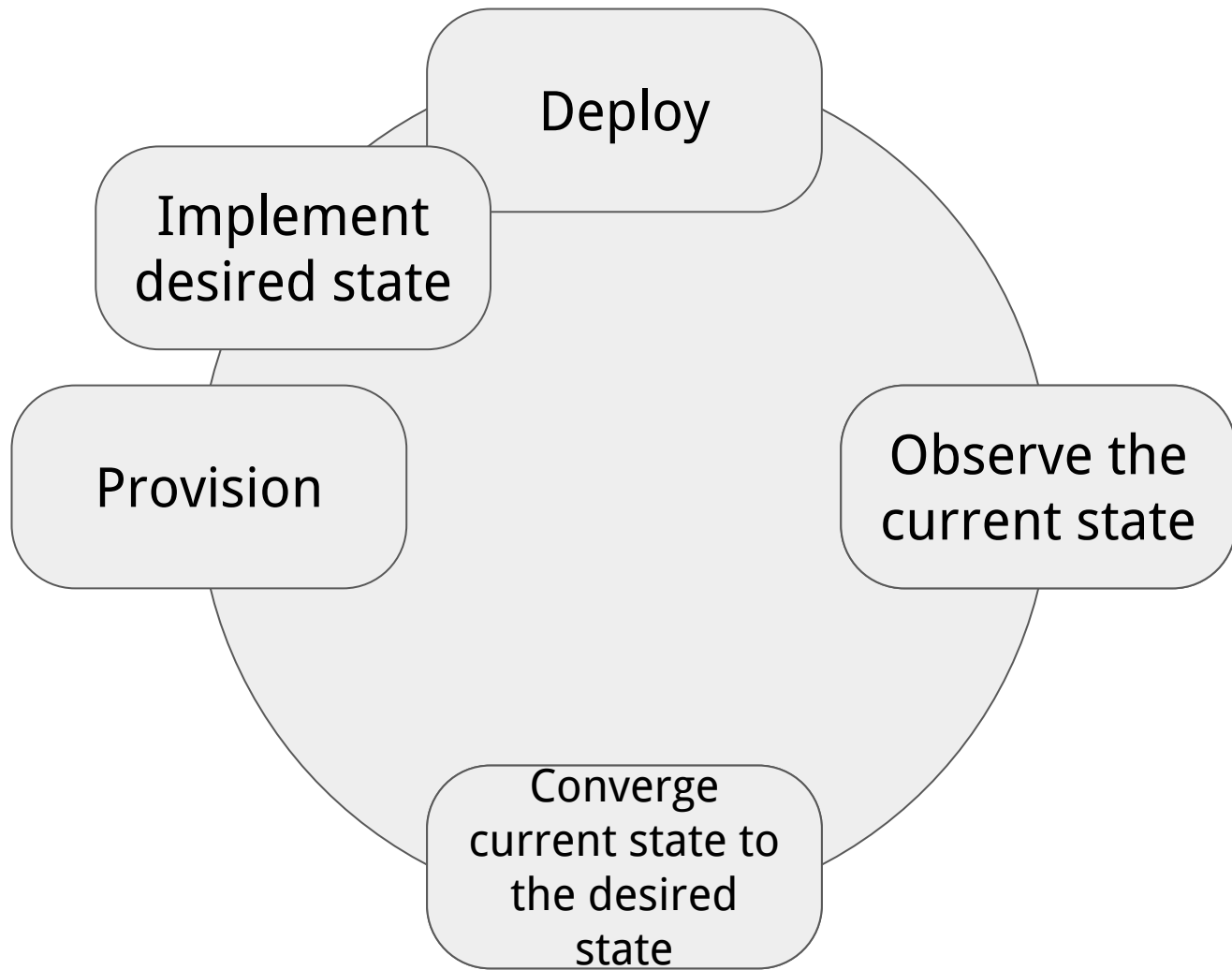
Mortal boxes

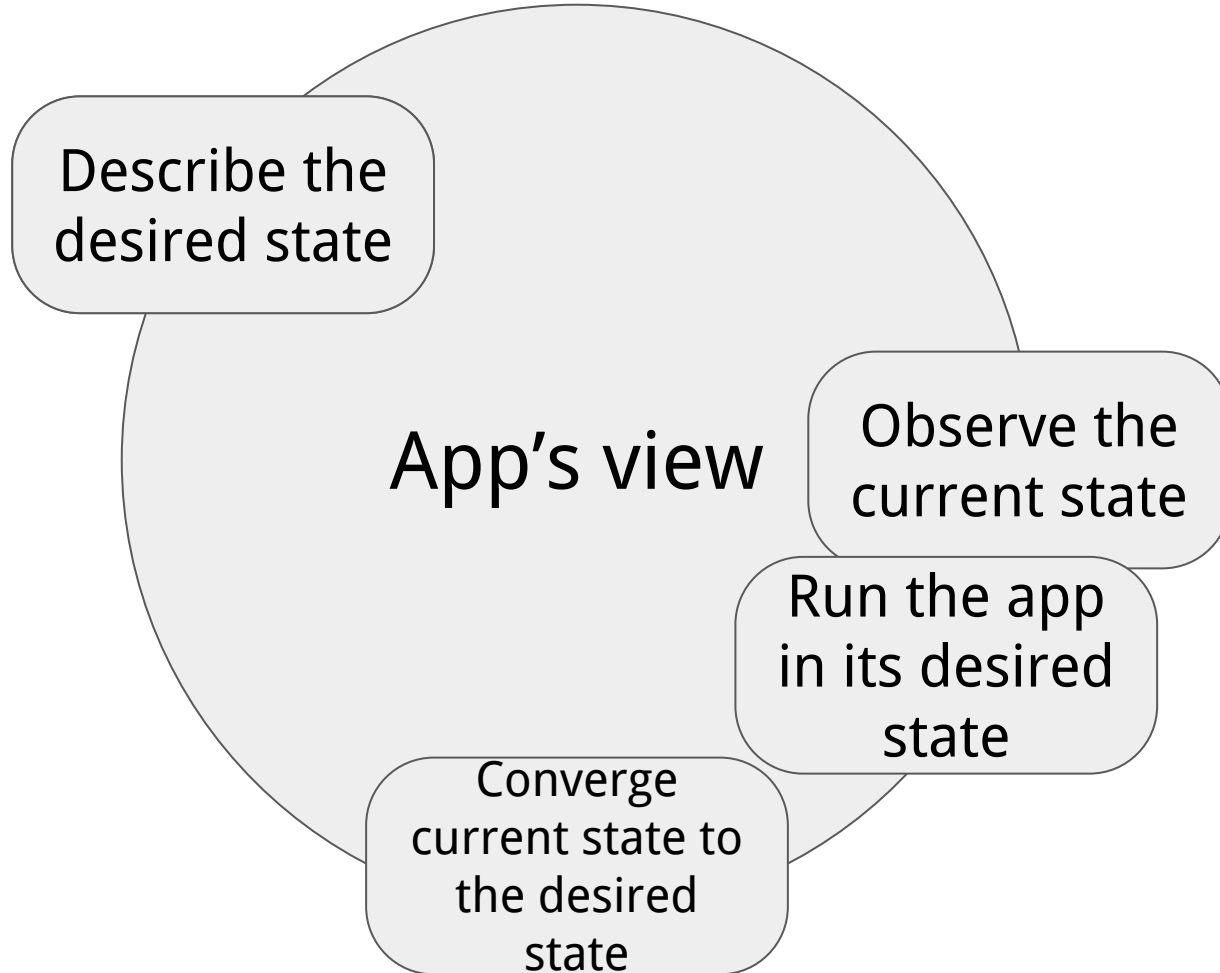
Ephemeral touch points





That's how pets
are born!





A format to
build + ship
+ run

Policies to
describe the
desired
state

Here is my
app's
desired state

App's view

Run the app
in its desired
state

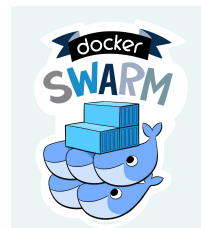
Cluster
manager

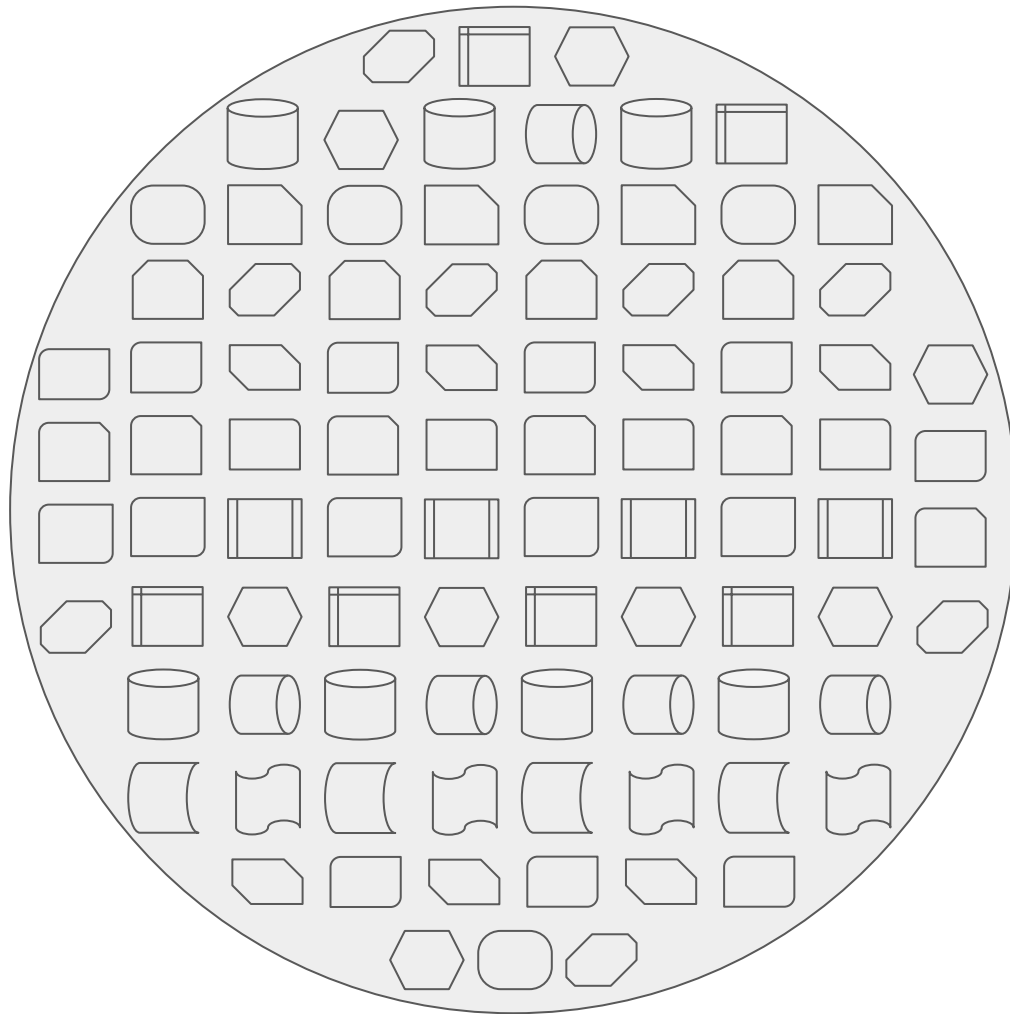
Containers matter ... to standardize how to
build, ship and run

Cluster managers matter ... to let apps
declare intent and to coerce the
infrastructure to maintain that intent

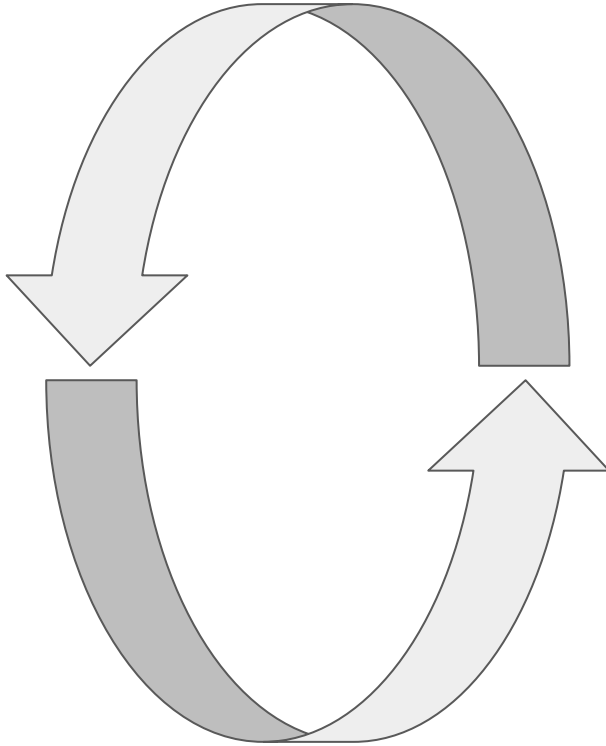


Nomad

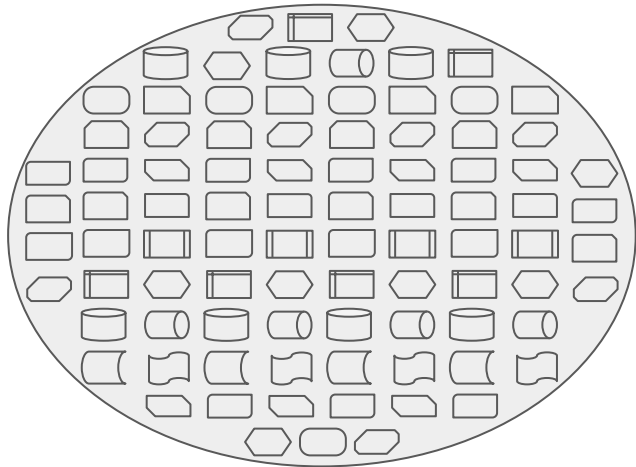




1. Genericity



2. Declarative



Cluster manager

Compute

Network

Storage

...

3. Hide full
infrastructure
stack

Disposal of infrastructure

We're hiring

<https://careers.ebayinc.com>