CoreOS

About Me

CTO/CO-FOUNDER

systems engineer

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About Me

CoreOS

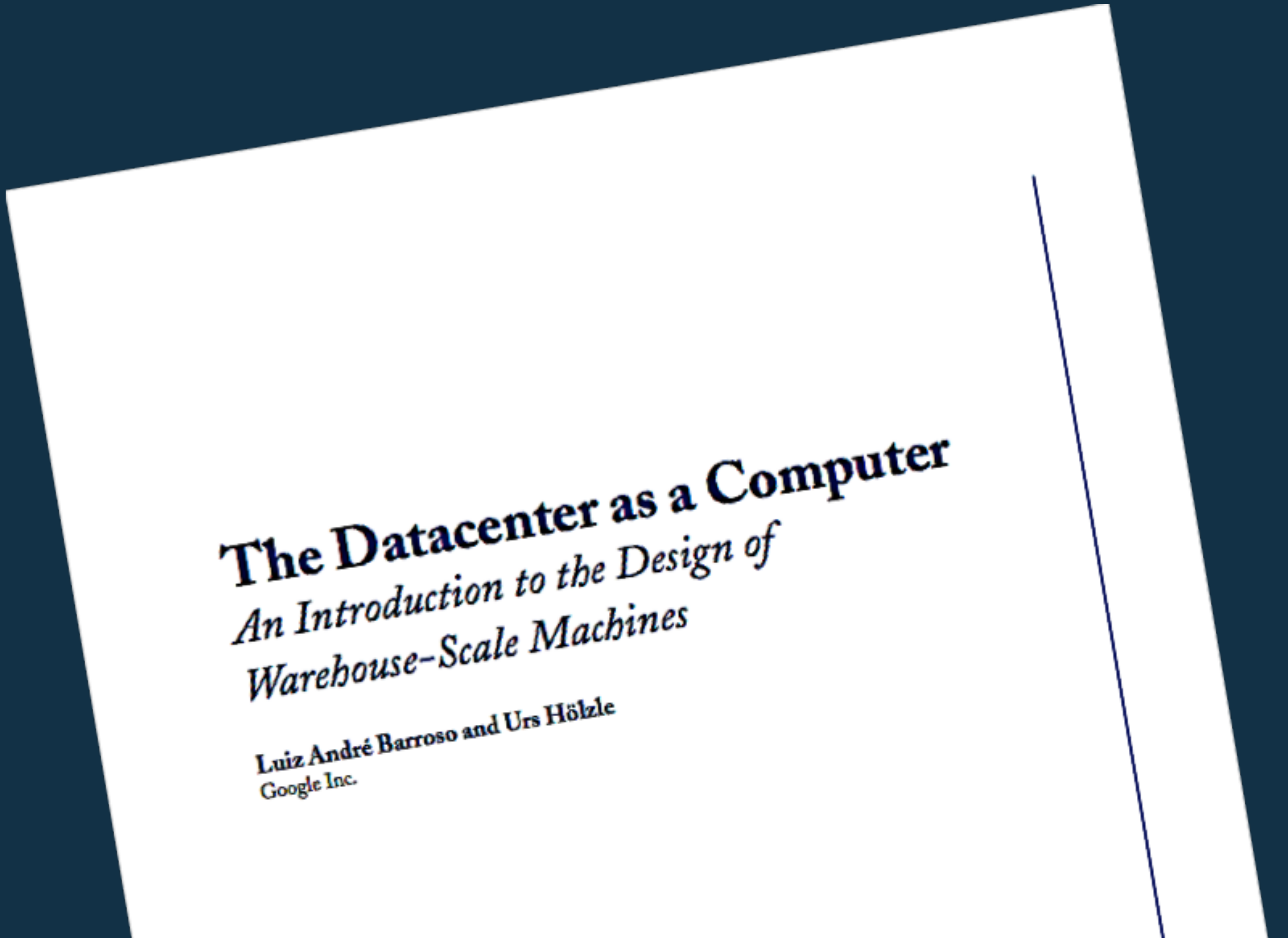
Developer Advocate

@kelseyhightower

github.com/kelseyhightower

https://github.com/philips/coreos-ops-tutorial

Why build CoreOS?



The Datacenter as a Computer

An Introduction to the Design of Warehouse-Scale Machines

Luiz André Barroso and Urs Hölzle

Google Inc.

containers

run and isolate apps

OS

reduced API contracts

clustering

design for host failure

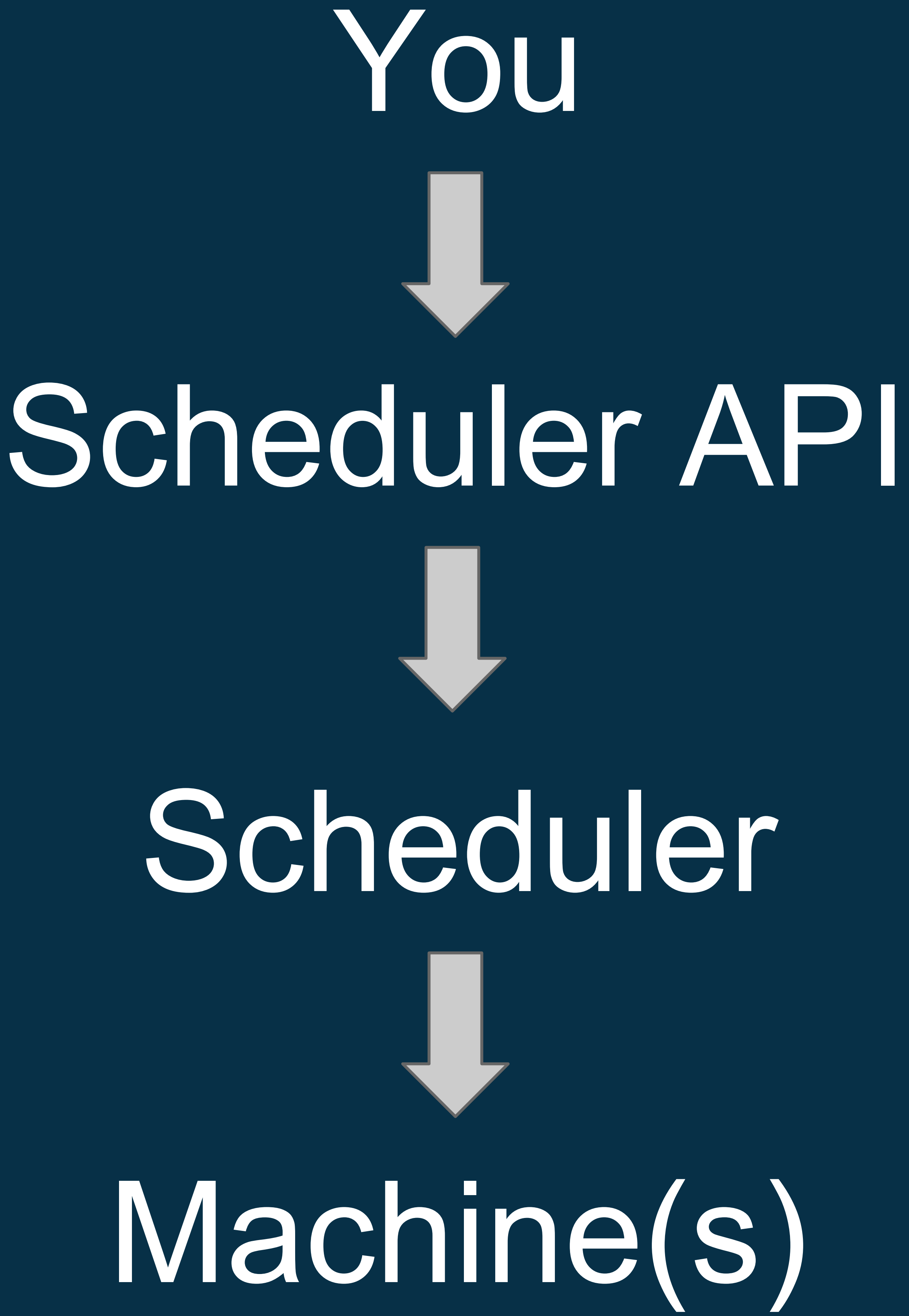
etcd

/etc

distributed

scheduling

getting work to servers



You

Scheduler API

Scheduler

Machine(s)

```
$ cat foo.service
[Service]
ExecStart=/usr/bin/sleep 500

$ fleetctl start foo.service
Job foo.service launched on
e1cd2bcd.../172.17.8.101
```

```
while true {
  todo = diff(desState, curState)
  schedule(todo)
}
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```

job scheduling

fleet

kubernetes

service discovery

magic proxies

Thanks

we like pull requests
github.com/coreos/etcd

CoreOS

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