Benefits of taking the road less traveled with containers infrastructure

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Marathon on Mesos
- Hackathon
- Explore
- Early adopters
- Missing “enterprise” features
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Openshift
- Production
- Hype and promises
- Feature rich
SAME SAME
BUT DIFFERENT
Replicability.
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- Control plane on host OS, not in containers
  - Easy troubleshooting
  - Low entry barrier, no big scary Docker wolf
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- Puppet recipe (`kubectl apply` if you must)
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- Puppet recipe (`kubectl apply` if you must)
- Make components HA
  - leader elector wrapper
Feature set.

- Project isolation (ovs)
- Directly addressable pods
Feature set.

- Project isolation
- Directly addressable pods
- No shared resources between failure domains
Observability.

- Relevant SLOs
  - Pod startup time w/o image pull
Observability.

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- Kube-probe
  - Basic functionality
  - Advanced integrations
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  - Basic functionality
  - Advanced integrations
- Visibility and transparency
  - Infra status dashboard
  - RFOs
  - Service owners alerts
Beware!
Self learning.

- Docs
- Trainings
Recap.

- Replicability (control plane, puppet)
- Feature set (no kube-proxy, addressable pods)
- Observability (probes, RFOs, alerts)
- Packaged technologies
- Self learning
Thank you!

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