Multi-Cluster Deployments

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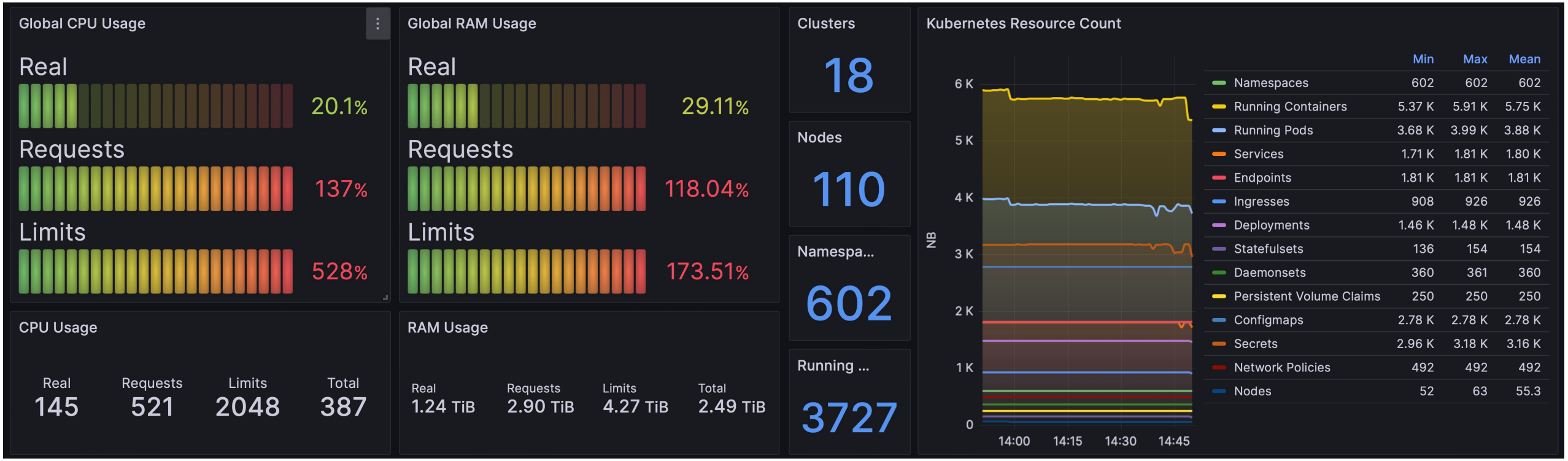
The Platform



Why Multi-Cluster?

Pros:

- Isolation
- Specialized clusters
- Cluster as Cattle

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Cons:

- Complexity
- Operations overhead

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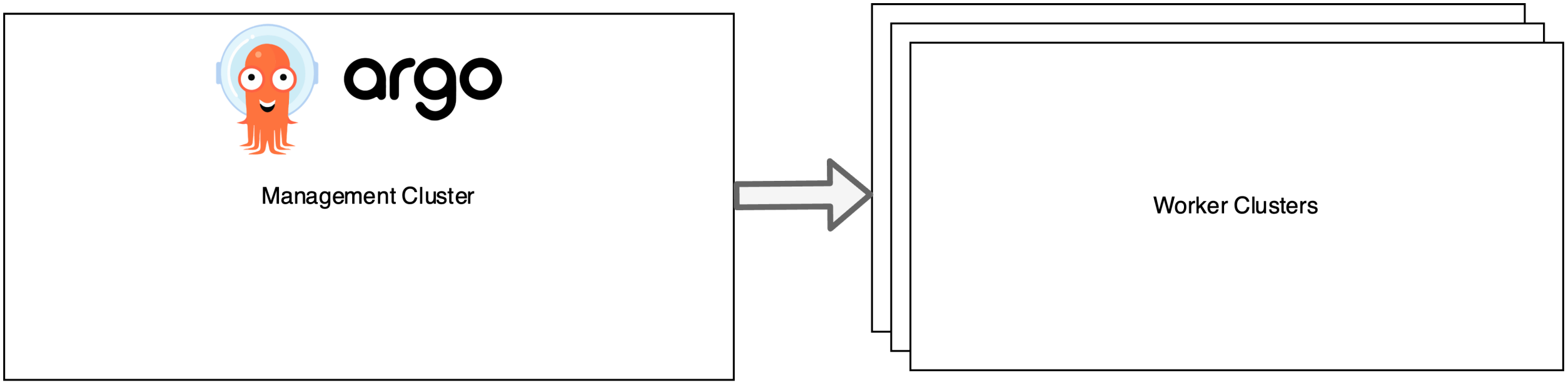
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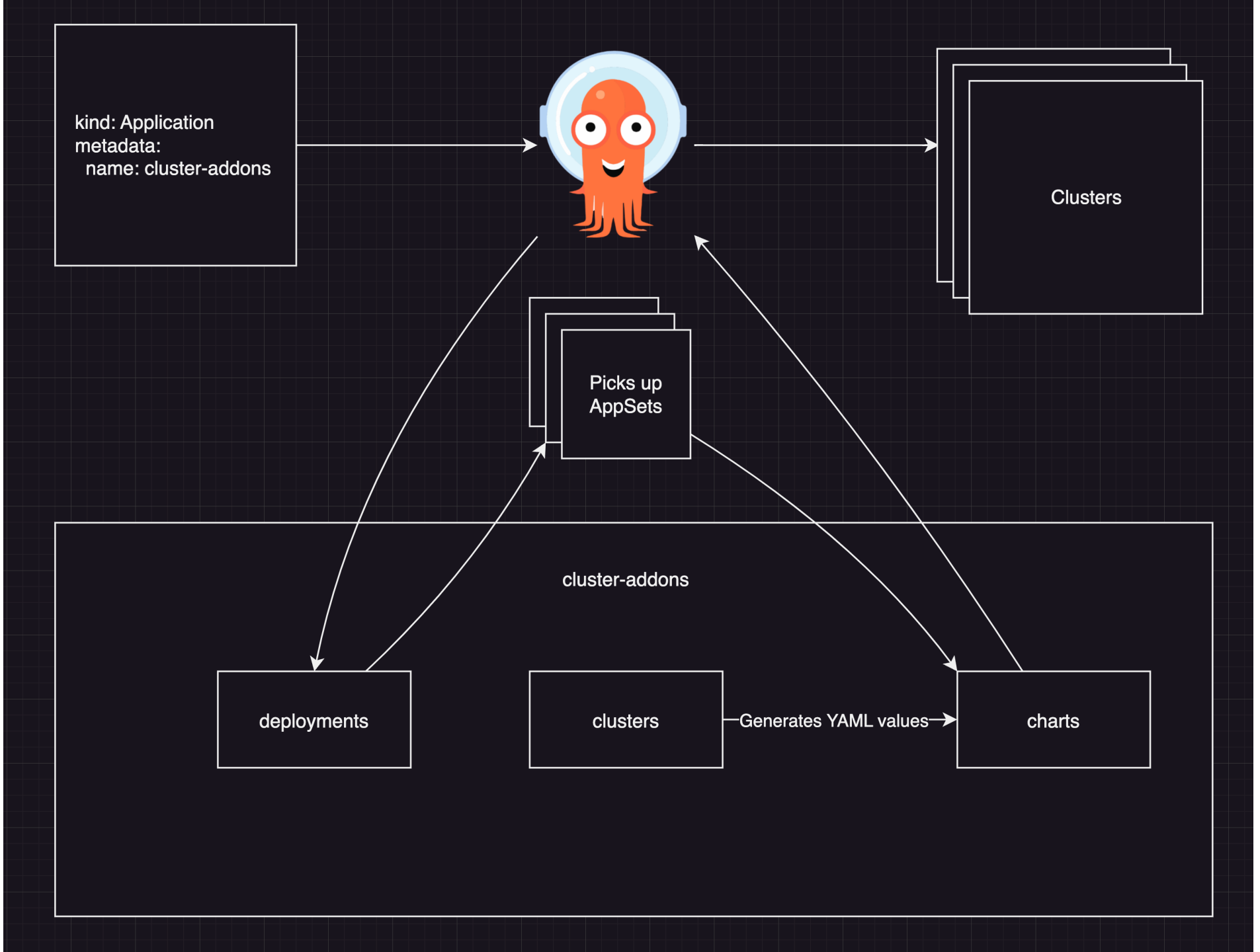
Management Cluster
Worker Clusters

Demo


kind: Application
metadata:
name: cluster-addons
Clusters
Picks up
AppSets
cluster-addons
deployments
clusters
Generates YAML values
charts

Future work

- Versioning
- CUE can be difficult to debug

More reading

- Kubernetes Tutorial for CUE
- Timoni by Stefan Prodan (Helm v4?)
- KubeVela
- GitHub repo: https://github.com/akselleirv/multi-cluster-deploments