stoney cloud stepping stone & StackHPC

Adding Kubernetes as-a-Service for stoney cloud users















Stack HPC









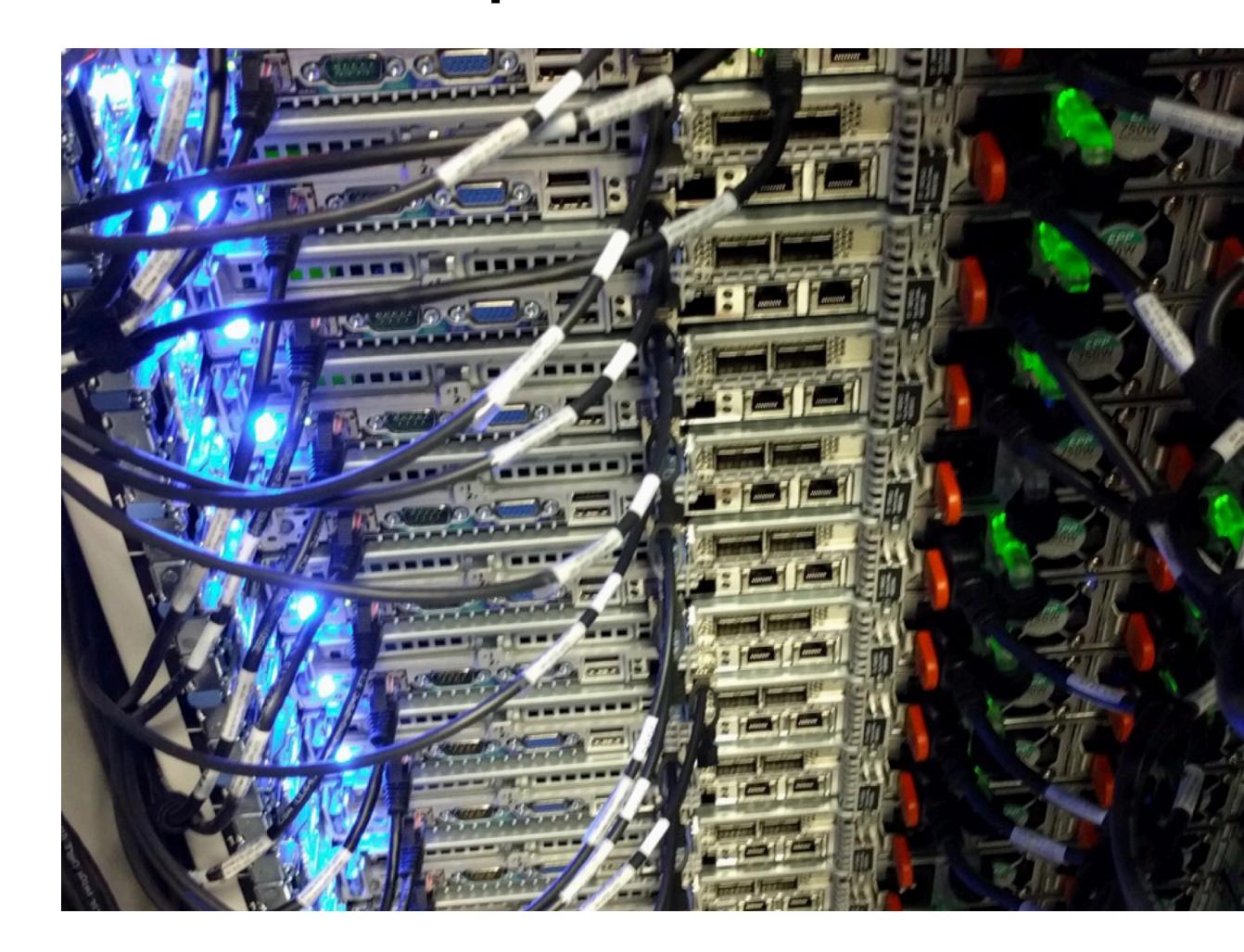


Stack HPC



StackHPC - Modus Operandi

- Upstream development of open cloud infrastructure for Research Computing
- Development and integration of HPC technologies into cloud-native contexts
- Consultancy to organisations for managing HPC-cloud transition
- Training and support for sustainability
- Scientific OpenStack community engagement





Dawn

HPC & Al on Open Cloud Infrastructure









BUILDING THE OPEN INFRASTRUCTURE BLUEPRINT

HOW LINUX, OPENSTACK, AND KUBERNETES
COMBINE TO DELIVER AN OPEN SOURCE
POWERED INFRASTRUCTURE STACK

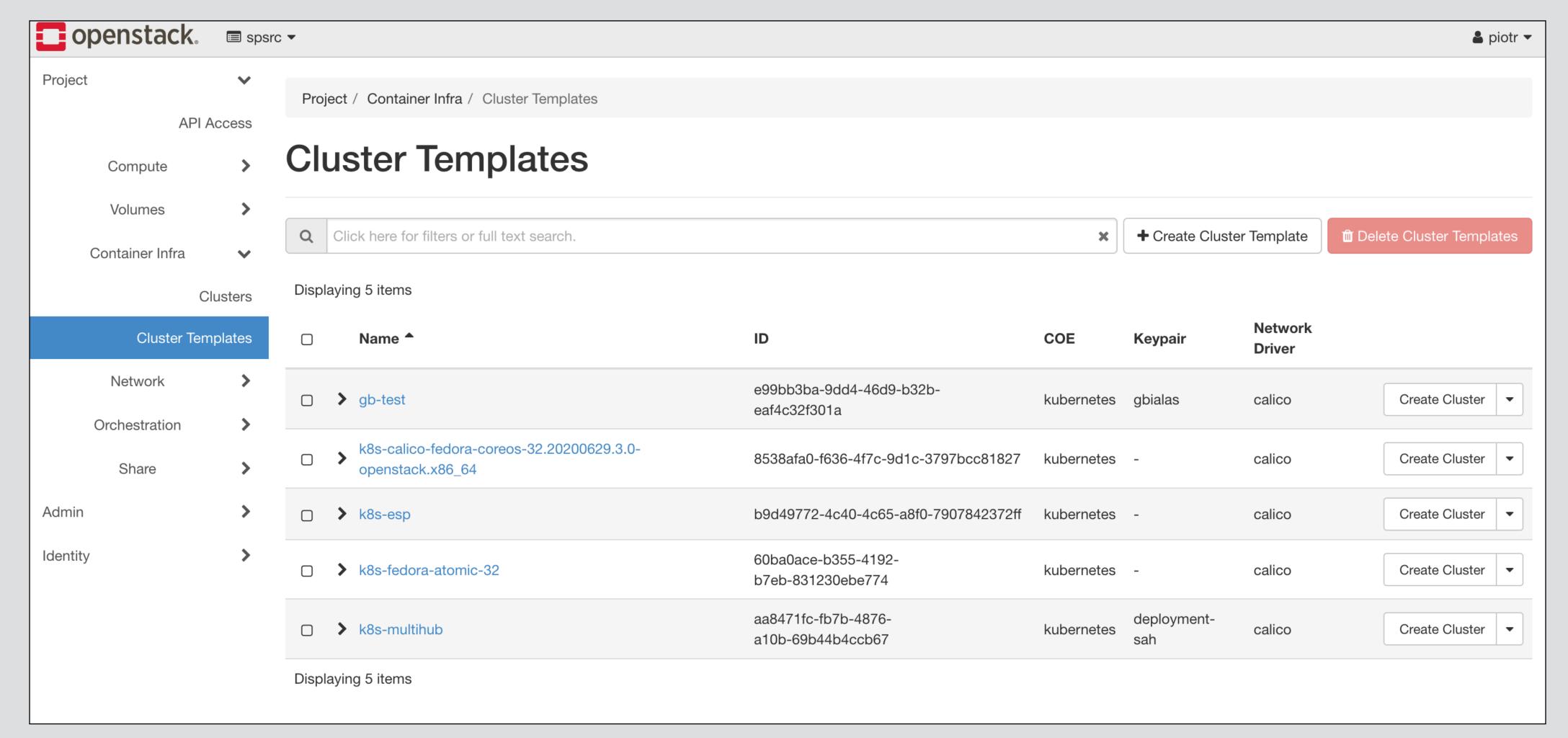
READ THE WHITE PAPER →

Kubernetes on OpenStack

- Kubernetes clusters are deployed within client projects
- Clients deploy their own Kubernetes clusters via self-service
- Kubernetes resources integrate with OpenStack cloud infrastructure
- Each client manages their own Kubernetes cluster deployments





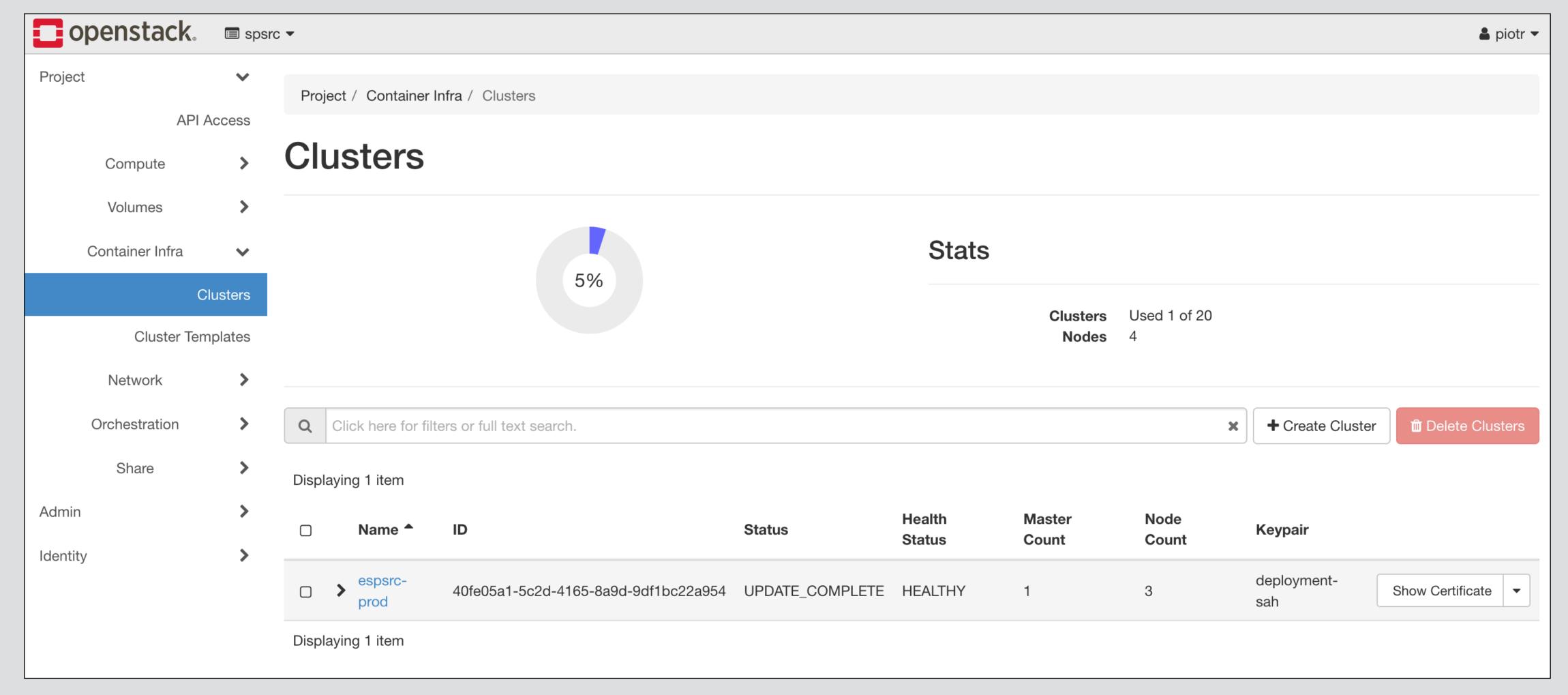


Kubernetes Cluster Templates

Different configurations - tested solutions provided by cloud administrators

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Deploying Kubernetes Clusters

As easy as clicking "Create Cluster"...

Integrates with stoney cloud compute, storage and networking sto

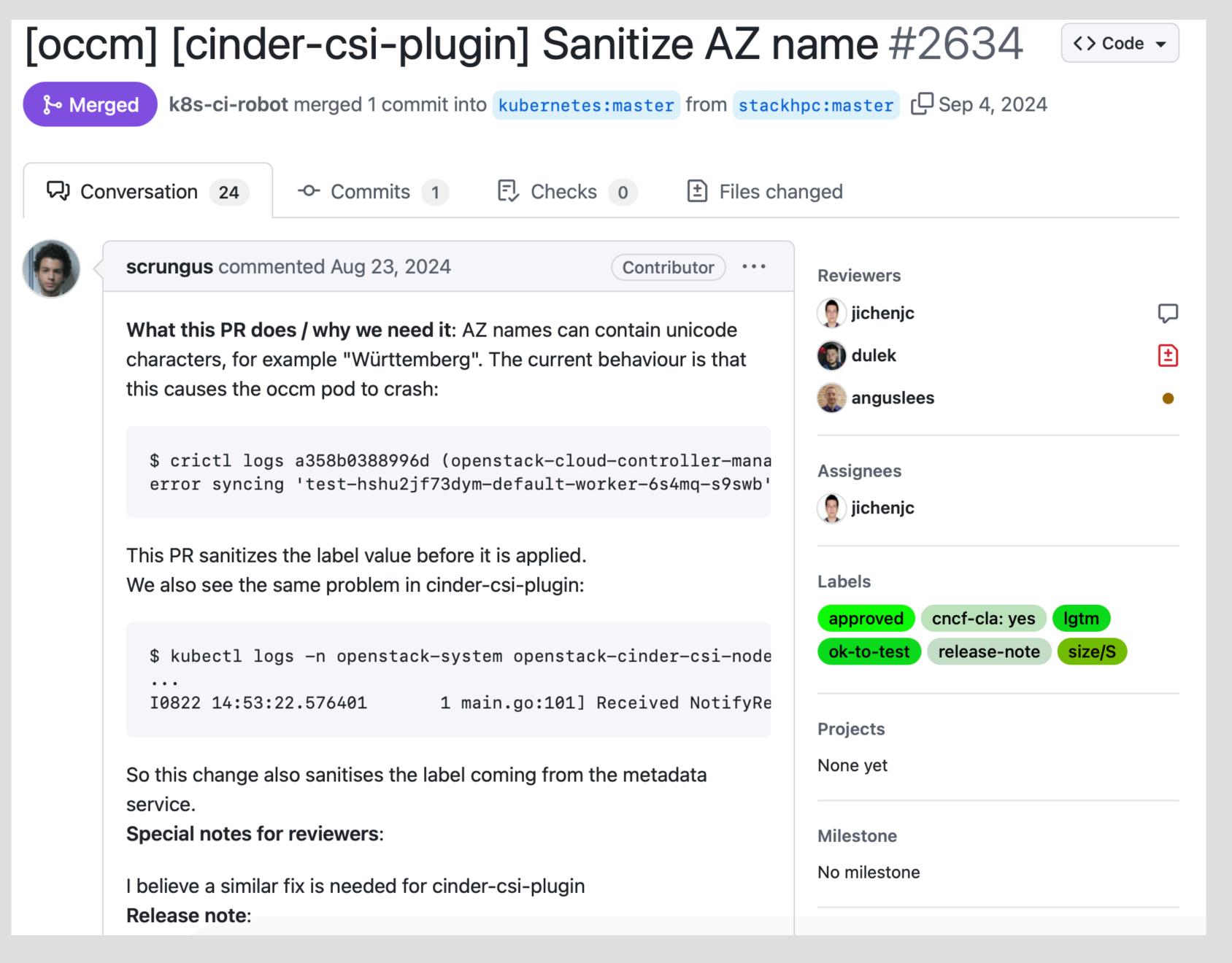
Open Source Contributions

Testing code
Giving feedback
Solving problems
Contributing back









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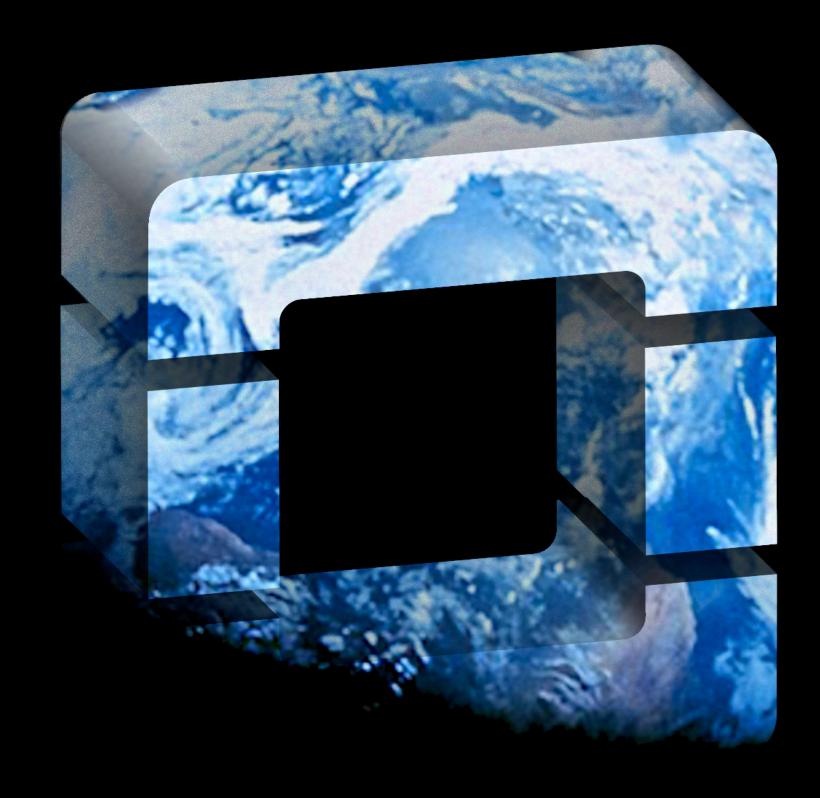


In Summary

- StackHPC is very happy to have found a good partner in stepping stone AG
- We hope the Kubernetes service available on stoney cloud continues to be a success!
- StackHPC looks forward to further work together and future collaborations







StackHPC The Rise of the HPC Cloud

Thank You Questions?

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