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Ceph in Compute Canada

Tuesday 17 September 2019 17:15 (25 minutes)

Compute Canada is the national platform for research computing in Canada. There are five high performance research computing sites across the country offering both traditional HPC and OpenStack cloud resources.

This talk will give an overview of Ceph at the cloud sites and then focus on the specific implementation details of Ceph at, Arbutus. Hosted at the University of Victoria in British Columbia, Canada, Arbutus is the largest non-commercial research cloud in Canada.

Ceph is integral to the success of our cloud deployments because of the versatility, price for performance and scalability. We started with a small 400TB Ceph install which has grown to a 5.3 PB installation, and in the near future are extending our offering to include CephFS and object storage.

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