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Ceph Based Storage Systems at the RACF

Wednesday 14 October 2015 16:10 (20 minutes)

We give a report on the status of Ceph based storage systems deployed in RACF that are currently providing 1 PB of data storage capacity for the object store (with Amazon S3 compliant RADOS Gateway front end), block storage (RBD), and shared file system (CephFS with dCache front end) layers of Ceph storage system. The hardware deployment and software upgrade procedures performed in the year of 2015, and the resulting improvements of our Ceph clusters performance and functionality are also summarized, and the usage statistics for the main clients of our Ceph clusters, including the ATLAS Event Service, is shown. The future prospects for the Ceph based storage systems in RACF are also discussed.

Length of presentation (max. 20 minutes)

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