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Ceph Supporting Genetic Research at The Wellcome Sanger Institute

Tuesday, 17 September 2019 11:00 (25 minutes)

The Wellcome Sanger Institute has 18PB in its largest Ceph cluster. This talk will explain how the Sanger used Ceph to build and scale a reliable platform for scientific computing, and enable secure data sharing via S3. And how they got 100GB/s read performance out of their cluster.

Matthew will outline the interesting aspects of the Sanger's Ceph setup, including how the team grew it from a small initial installation, automated deployment management and monitoring, and some of the issues they have encountered along the way. Matthew will also explore some of the good (and less good!) aspects of running Ceph at scale, and supporting scientific workflows.

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