

Cloud Design for Storing Large Amount of Data

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Abstract : Main goal of this paper is to introduce our design of private cloud for storing large amount of data, especially pictures, and to provide good technological backend for data analysis based on parallel processing and business intelligence. We have tested hypervisors, cloud management tools, storage for storing all data and Hadoop to provide data analysis on unstructured data. Providing high availability, virtual network management, logical separation of projects and also rapid deployment of physical servers to our environment was also needed.

Keywords : cloud, glusterfs, hadoop, juju, kvm, maas, openstack, virtualization

Conference Title : ICPMSET 2015 : International Conference on Polymer Materials Science, Engineering and Technology

Conference Location : Copenhagen, Denmark

Conference Dates : June 11-12, 2015