

Running a CEPH-Cluster on a containerized infrastructure

Use case: distributed mySQL-database

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Contents

1	Introduction	4
1.1	CEPH Based storage cluster	4
1.2	Containerization	4
1.3	Deploying	4
1.4	Databases	4
1.5	Scope of the problem	4
2	Setting up CEPH on Docker	4
2.1	System Architecture	4
2.1.1	CRUSH Fail mode	4
2.1.2	Issue with Docker Image	4
2.2	Monitor Nodes	4
2.3	Object Storage Devices - OSD	4
3	Setting up the database	4
3.1	Structure of mySQL	4
3.2	ACID	4
3.3	Problems with clusters	4
4	System Analysis	4
4.1	disclamer bc of my setup	4
4.2	Integrity	4
4.3	Penalty	4
4.4	Administration	4
4.5	Tuning	4
5	Conclusion	4

Setting up and operate a storage cluster with high availability is a complex task. Modern paradigmas like containerization and orchestration are a way of abstracting away some complexity. However, running a cluster in a stateless and ephemeral containerized environment poses some problems. In the following paper these problems are identified and scrutinized. The use case will be a mySQL database, which will be stored on a CEPH cluster comprised of docker based daemons.

1 Introduction

1.1 CEPH Based storage cluster

1.2 Containerization

1.3 Deploying

1.4 Databases

1.5 Scope of the problem

2 Setting up CEPH on Docker

2.1 System Architecture

2.1.1 CRUSH Fail mode

2.1.2 Issue with Docker Image

2.2 Monitor Nodes

2.3 Object Storage Devices - OSD

3 Setting up the database

3.1 Structure of MySQL

3.2 ACID

3.3 Problems with clusters

4 System Analysis

4.1 disclaimer bc of my setup

4.2 Integrity

4.3 Penalty

4.4 Administration

4.5 Tuning

5 Conclusion