Performance evaluation on the FIZ cluster

The following numbers were gathered on the 6 node FIZ cluster.

Node network I/O performance

The physical hosts have a 1gb/s network connection using a NetGear switch the nodes are connected by at most one hop.

Node hdd performance

solws2$ sync;time sudo bash -c "(dd if=/dev/zero of=bf bs=8k count=500000; sync)"

500000+0 records in
500000+0 records out
4096000000 bytes (4.1 GB) copied, 105.135 s, 39.0 MB/s

Results

Test Utility

BenchTool: https://github.com/futures/benchtool

A. Ingest bench using fcrepo4
Created 1000 objects with one datastream of 100mb size using 20 threads

Size: 1000 * 1048576 bytes = 100gb
Duration: 3319473090 ms
Throughput: 0.6 mb/s