

NFS server

Instance: m5.large (2 vCPU, 8GiB Mem)

NFS version: v3

Exported volume size: 100G

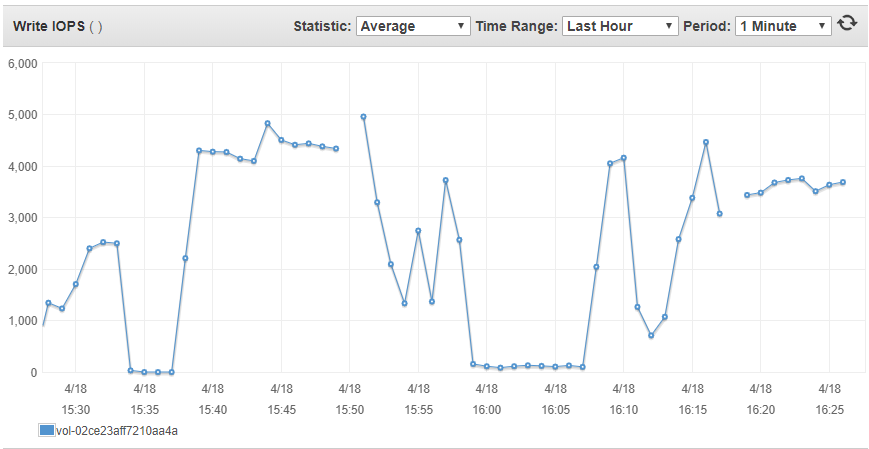
Provisioned IOPS: 5000

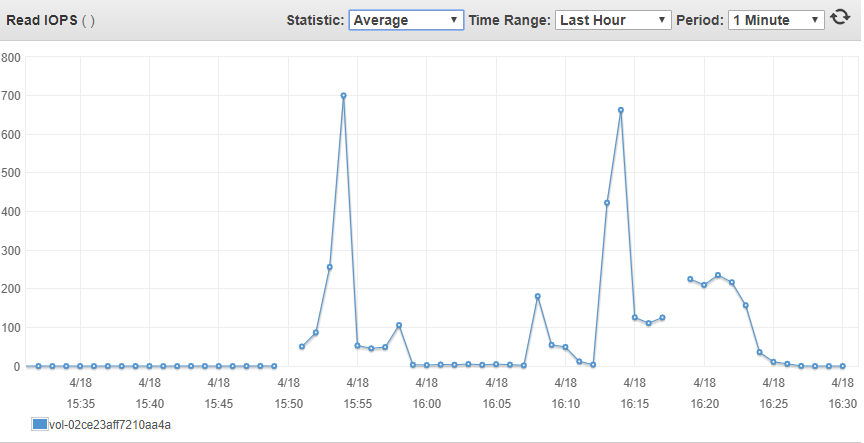
NFS Client

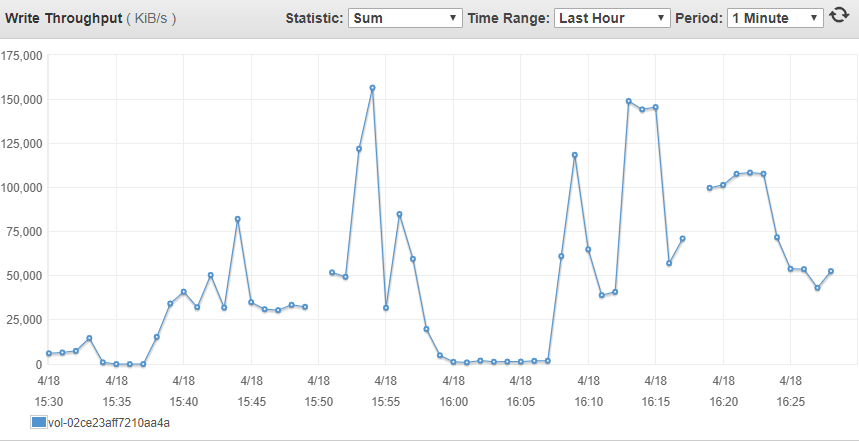
GCC build with make -j8

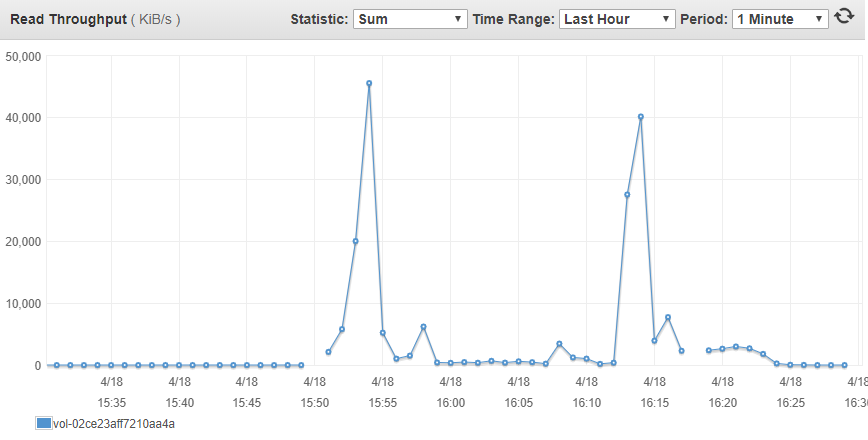
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Number of Clients | Max CPU on NFS Server | Max IOPS on disk | Average copy time | Average compile time | Average delete time | Max write  throughput |
| 1 | 9% | 683 | 3m30s | 22m50s | 1m14s | 23MB/s |
| 15 | 34% | 4674 | 10m22s | 24m3s | 4m40s | 156MB/s |
| 20 | 50% | 5000 | 12m50s | 26m38s | 6m14s | 151MB/s |
| 25 | 71% | 5000 | 18m11s | 30m11s | 8m20s | 198MB/s |
| 30 | 100% |  |  | - | - | - |

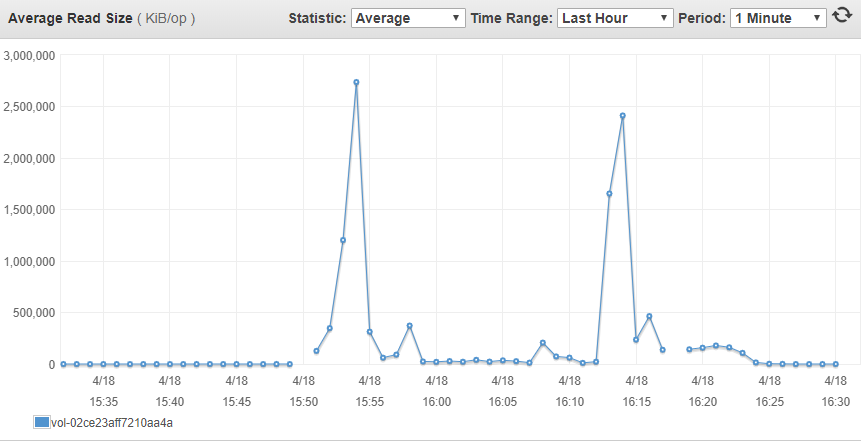
15:40 – 16:23 (20 client)

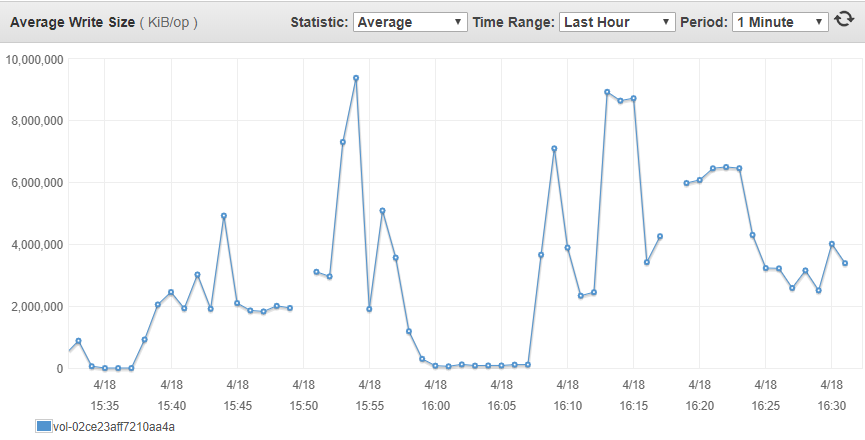


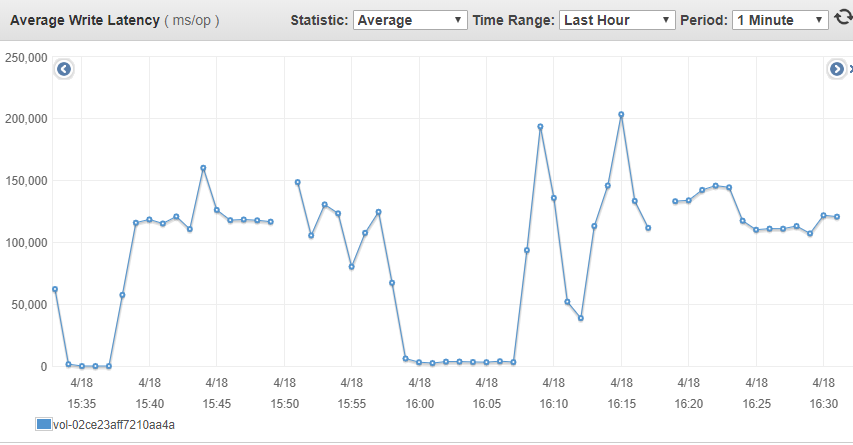


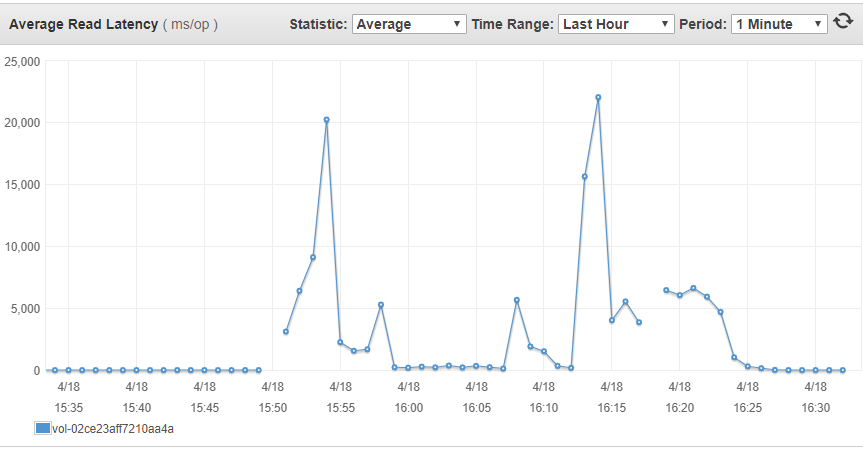


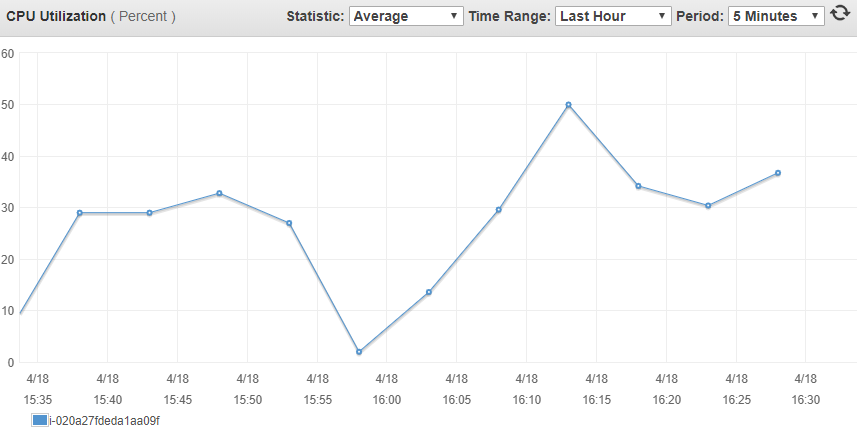


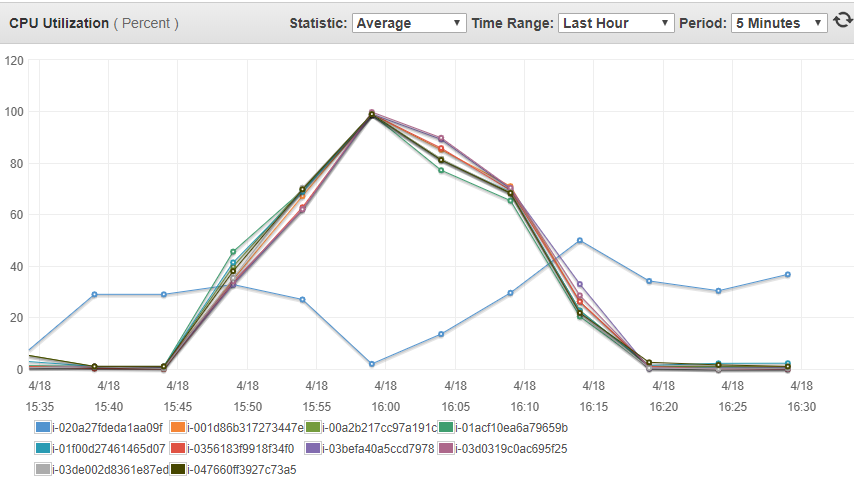












15:40 – 17:15 20 clients two rounds of build, each client is doing GCC build with make -j8

17:15 – 18:00 adding 10 more clients (30 clients total), NFS server fails eventually

