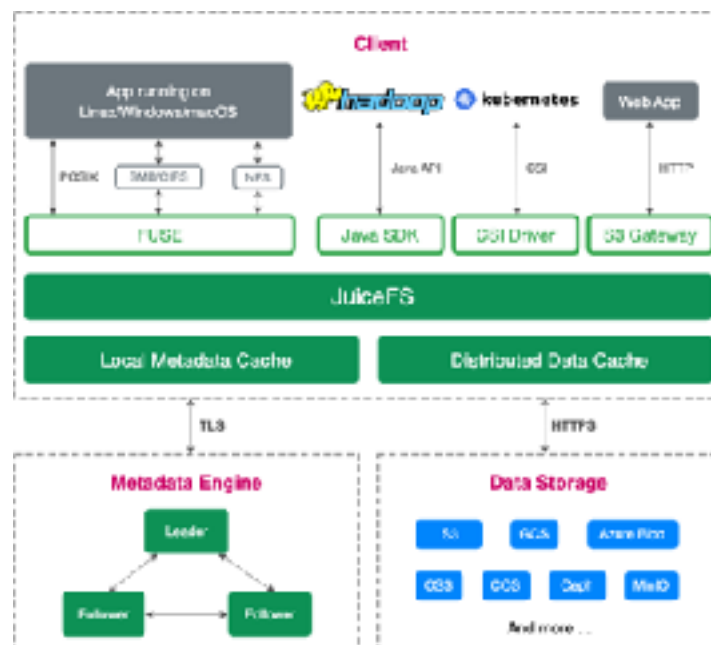


# JuiceFS-cloud-distributed-cache

## Hardware

All infrastructures and benchmark hosts are allocated in AWS eu-north-1a.

## Software



JuiceFS version is 5.0.21.

## Settings

Deploy distributed cache cluster(2 node):

```
GOMAXPROCS=60 juicefs mount mlperfvol-aws /jfs --cache-dir=/disk1:/disk2 --cache-size=3800000 --cache-group=CACHEGROUP --free-space-ratio=0.01 --max-downloads=1000
```

Add client to the distributed cache group:

```
GOMAXPROCS=60 juicefs mount mlperfvol-aws /jfs --cache-dir=/dev/shm/cache-cluster/ --cache-size=204800 --cache-
```

```
group=CACHEGROUP --free-space-ratio=0.01 --buffer-size=2048
--max-downloads=1000 --no-sharing
```

## Misc

## DropCaches:

We remount juicefs to invalidate the pagecaches.

## Cgroup: limit the host memory to 32GB

```
mkdir /sys/fs/cgroup/memory_mlperf
echo "32G" > /sys/fs/cgroup/memory_mlperf/memory.max
```

```
benchmark.sh On local working changes - 1 of 1 change
```