Open-CAS-IOtrace安装：

git clone https://github.com/Open-CAS/standalone-linux-io-tracer/

cd standalone-linux-io-tracer

git submodule update --init --recursive【不好使】

sudo ./setup\_dependencies.sh

cd modules

之后看到里面的open-cas-telemetry-framework下面什么都没有，于是去下载：

git clone https://github.com/open-cas/open-cas-telemetry-framework

cd open-cas-telemetry-framework

sudo ./setup\_dependencies.sh

检查发现缺少第三方库，于是vim .gitmodule查看缺什么

之后：

git submodule update --init --recursive

make

之后到standalone-linux-io-tracer这个目录下再次make

sudo make install

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df -h

/dev/sdh 3.7T 120G 3.6T 4% /hdfs-fast

kill -9 `ps aux|grep iotrace|xargs|awk '{print $2}'`

iotrace生成文件的位置：/var/lib/octf/trace/kernel

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSgen-1/" > HSgen-1-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSgen-2/" > HSgen-2-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSsort-1/" >HSsort-1-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSsort-2/" >HSsort-2-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSvalidate-1/" >HSvalidate-1-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/xfs-tpc-iotrace/HSvalidate-2/" >HSvalidate-2-fs.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSgen-1/" >HSgen-1-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSgen-2/" >HSgen-2-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSsort-1/">HSsort-1-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSsort-2/">HSsort-2-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSvalidate-1/">HSvalidate-1-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/xfs-tpc-iotrace/HSvalidate-2/">HSvalidate-2-latency.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSgen-1/" >HSgen-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSgen-2/" >HSgen-2-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSsort-1/">HSsort-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSsort-2/">HSsort-2-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSvalidate-1/">HSvalidate-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/xfs-tpc-iotrace/HSvalidate-2/">HSvalidate-2-lba.txt

iotrace --trace-parser --fs-statistics -p "kernel/btrfs-tpc-iotrace/HSgen-1/" > HSgen-1-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/btrfs-tpc-iotrace/HSgen-2/" > HSgen-2-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/btrfs-tpc-iotrace/HSsort-1/" >HSsort-1-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/btrfs-tpc-iotrace/HSsort-2/" >HSsort-2-fs.txt

iotrace --trace-parser --fs-statistics -p "kernel/btrfs-tpc-iotrace/HSvalidate-1/" >HSvalidate-1-fs.txt

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iotrace --trace-parser --latency-histogram -p "kernel/btrfs-tpc-iotrace/HSsort-1/">HSsort-1-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/btrfs-tpc-iotrace/HSsort-2/">HSsort-2-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/btrfs-tpc-iotrace/HSvalidate-1/">HSvalidate-1-latency.txt

iotrace --trace-parser --latency-histogram -p "kernel/btrfs-tpc-iotrace/HSvalidate-2/">HSvalidate-2-latency.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSgen-1/" >HSgen-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSgen-2/" >HSgen-2-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSsort-1/">HSsort-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSsort-2/">HSsort-2-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSvalidate-1/">HSvalidate-1-lba.txt

iotrace --trace-parser --lba-histogram -p "kernel/btrfs-tpc-iotrace/HSvalidate-2/">HSvalidate-2-lba.txt

iotrace --trace-parser --io --path "kernel/btrfs-tpc-iotrace/HSgen-1" --format json > btr-test.txt

iotrace --trace-parser --io --path "kernel/btrfs-tpc-iotrace/HSsort-1" --format json > btr-test-sort.txt

iotrace --trace-parser --io --path "kernel/btrfs-tpc-iotrace/HSvalidate-1" --format json > btr-test-validate.txt

HSvalidate-1