

CPU

```
sudo apt-get install sysbench
```

```
sysbench --test=cpu --num-threads=500 --cpu-max-prime=1000 run
```

```
sysbench --test=cpu --num-threads=500 --cpu-max-prime=5000 run
```

```
sysbench --test=cpu --num-threads=500 --cpu-max-prime=30000 run
```

Disk I/O

```
sudo apt-get update
```

```
sudo apt-get install fio
```

```
fio --name=randread --ioengine=libaio --rw=randread --bs=4k --size=100M --numjobs=4  
--runtime=60 --time_based --group_reporting
```

```
fio --name=randwrite --ioengine=libaio --rw=randwrite --bs=4k --size=100M --  
numjobs=4 --runtime=60 --time_based --group_reporting
```

Database

```
sudo apt-get update
```

```
sudo apt-get install postgresql postgresql-contrib
```

```
sudo -u postgres psql
```

```
CREATE DATABASE testdb;
```

```
CREATE ROLE ubuntu WITH LOGIN PASSWORD '1234';
```

```
ALTER ROLE ubuntu CREATEDB;
```

```
\q
```

```
pgbench -i -s 10 -U ubuntu testdb
```

```
pgbench -c 10 -j 2 -t 1000 -U ubuntu testdb
```

```
pgbench -c 25 -j 2 -t 1000 -U ubuntu testdb
```

```
pgbench -c 50 -j 2 -t 1000 -U ubuntu testdb
```