

```
Last login: Wed Apr 13 18:55:27 on ttys000
1x-nat-vl932-172-30-211-109:~ lichaozhang$ ./pkb.py --
project=practical-bot-127123 --benchmarks=coremark --machine_type=n1-
standard-1
-bash: ./pkb.py: No such file or directory
1x-nat-vl932-172-30-211-109:~ lichaozhang$ cd Desktop/
PerfKitBenchmark
1x-nat-vl932-172-30-211-109:PerfKitBenchmark lichaozhang$ ./pkb.py
--project=practical-bot-127123 --benchmarks=coremark --
machine_type=n1-standard-1
2016-04-13 19:43:27,727 8d1613f1 MainThread INFO      Verbose logging
to: /var/folders/fq/r7tm6d814zb_g_hgm0rnsz40000gn/T/
perfkitbenchmark/run_8d1613f1/pkb.log
2016-04-13 19:43:27,728 8d1613f1 MainThread INFO
PerfKitBenchmark version: unknown
2016-04-13 19:43:27,789 8d1613f1 MainThread INFO      Flag values:
--machine_type=n1-standard-1
--project=practical-bot-127123
--benchmarks=coremark
2016-04-13 19:43:27,819 8d1613f1 MainThread coremark(1/1) INFO
Provisioning resources for benchmark coremark
2016-04-13 19:43:27,821 8d1613f1 Thread-1 coremark(1/1) INFO
Running: gcloud compute networks create pkb-network-8d1613f1 --format
json --quiet --project practical-bot-127123 --range 10.0.0.0/16
2016-04-13 19:44:01,685 8d1613f1 Thread-1 coremark(1/1) INFO
Running: gcloud compute networks describe pkb-network-8d1613f1 --
format json --quiet --project practical-bot-127123
2016-04-13 19:44:02,878 8d1613f1 Thread-1 coremark(1/1) INFO
Running: gcloud compute firewall-rules create default-
internal-8d1613f1 --format json --quiet --project practical-bot-127123
--allow tcp:1-65535,udp:1-65535,icmp --network pkb-network-8d1613f1 --
source-ranges 10.0.0.0/16
2016-04-13 19:44:26,099 8d1613f1 Thread-1 coremark(1/1) INFO
Running: gcloud compute firewall-rules describe default-
internal-8d1613f1 --format json --quiet --project practical-bot-127123
2016-04-13 19:44:27,395 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute firewall-rules create perfkit-
firewall-8d1613f1-22 --format json --quiet --project practical-
bot-127123 --allow tcp:22,udp:22 --network pkb-network-8d1613f1
2016-04-13 19:44:50,484 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute firewall-rules describe perfkit-
firewall-8d1613f1-22 --format json --quiet --project practical-
bot-127123
2016-04-13 19:44:52,101 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute instances create pkb-8d1613f1-0 --format json
--quiet --project practical-bot-127123 --zone us-central1-a --network
pkb-network-8d1613f1 --image ubuntu-14-04 --boot-disk-auto-delete --
boot-disk-size 10 --boot-disk-type pd-standard --machine-type n1-
standard-1 --tags perfkitbenchmark --no-restart-on-failure --
metadata-from-file sshKeys=/var/folders/fq/
```

```

r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/key-
metadataSrgv9D --metadata owner=lichaozhang --maintenance-policy
TERMINATE
2016-04-13 19:45:27,628 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute instances describe pkb-8d1613f1-0 --format
json --quiet --project practical-bot-127123 --zone us-central1-a
2016-04-13 19:45:29,488 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute instances describe pkb-8d1613f1-0 --format
json --quiet --project practical-bot-127123 --zone us-central1-a
2016-04-13 19:45:30,716 8d1613f1 Thread-6 coremark(1/1) INFO      VM:
23.251.148.129
2016-04-13 19:45:30,716 8d1613f1 Thread-6 coremark(1/1) INFO
Waiting for boot completion.
2016-04-13 19:45:30,717 8d1613f1 Thread-6 coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile hostname
2016-04-13 19:45:36,727 8d1613f1 Thread-6 coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile hostname
2016-04-13 19:45:40,543 8d1613f1 Thread-6 coremark(1/1) INFO
Running: gcloud compute instances add-metadata pkb-8d1613f1-0 --format
json --quiet --project practical-bot-127123 --zone us-central1-a --
metadata
benchmark_uid=coremark0,benchmark=coremark,perfkit_uuid=ef89b0e3-296e-
4bd0-bebe-57ddbcd0229f
2016-04-13 19:45:53,347 8d1613f1 Thread-6 coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile mkdir -p /tmp/pkb
2016-04-13 19:45:54,034 8d1613f1 MainThread coremark(1/1) INFO      ssh
to VMs in this benchmark by name with:
ssh -F /var/folders/fq/r7tm6d814zb_g_hgm0rndsz40000gn/T/
perfkitbenchmark/run_8d1613f1/ssh_config <vm_name>

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ssh -F /var/folders/fq/r7tm6d814zb_g_hgm0rndsz40000gn/T/
perfkitbenchmark/run_8d1613f1/ssh_config vm<index>
ssh -F /var/folders/fq/r7tm6d814zb_g_hgm0rndsz40000gn/T/
perfkitbenchmark/run_8d1613f1/ssh_config <group_name>--<index>
2016-04-13 19:45:54,035 8d1613f1 MainThread coremark(1/1) INFO
Preparing benchmark coremark
2016-04-13 19:45:54,036 8d1613f1 MainThread coremark(1/1) INFO
prepare Coremark on 23.251.148.129
2016-04-13 19:45:54,036 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile sudo apt-get update
2016-04-13 19:46:02,669 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile sudo DEBIAN_FRONTEND='noninteractive' /usr/
bin/apt-get -y install build-essential git libtool autoconf automake
2016-04-13 19:46:18,095 8d1613f1 MainThread coremark(1/1) INFO
Running: scp -P 22 -pr -2 -o UserKnownHostsFile=/dev/null -o
StrictHostKeyChecking=no -o IdentitiesOnly=yes -o
PreferredAuthentications=publickey -o PasswordAuthentication=no -o
ConnectTimeout=5 -o GSSAPIAuthentication=no -o ServerAliveInterval=30
-o ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile /Users/lichaozhang/Desktop/
PerfKitBenchmark/perfkitbenchmark/data/coremark_v1.0.tgz
perfkit@23.251.148.129:
2016-04-13 19:46:19,333 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile tar xvfz coremark_v1.0.tgz
2016-04-13 19:46:19,930 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o

```

```

PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile sed -i -e "s/LFLAGS_END += -lrt/LFLAGS_END
+= -lrt -lpthread/g" coremark_v1.0/linux64/core_portme.mak
2016-04-13 19:46:20,484 8d1613f1 MainThread coremark(1/1) INFO
Running benchmark coremark
2016-04-13 19:46:20,485 8d1613f1 MainThread coremark(1/1) INFO
Coremark running on 23.251.148.129
2016-04-13 19:46:20,486 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile cat /proc/cpuinfo | grep processor | wc -l
2016-04-13 19:46:21,039 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile cd coremark_v1.0;make PORT_DIR=linux64
ITERATIONS=200000 XCFLAGS="-g -O2 -DMULTITHREAD=1 -DUSE_PTHREAD -
DPERFORMANCE_RUN=1"
2016-04-13 19:46:51,450 8d1613f1 MainThread coremark(1/1) INFO
Coremark Results:
2016-04-13 19:46:51,451 8d1613f1 MainThread coremark(1/1) INFO
Running: ssh -A -p 22 perfkit@23.251.148.129 -2 -o
UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no -o
IdentitiesOnly=yes -o PreferredAuthentications=publickey -o
PasswordAuthentication=no -o ConnectTimeout=5 -o
GSSAPIAuthentication=no -o ServerAliveInterval=30 -o
ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile cat coremark_v1.0/run1.log
2016-04-13 19:46:51,992 8d1613f1 MainThread coremark(1/1) INFO      Ran
ssh -A -p 22 perfkit@23.251.148.129 -2 -o UserKnownHostsFile=/dev/null
-o StrictHostKeyChecking=no -o IdentitiesOnly=yes -o
PreferredAuthentications=publickey -o PasswordAuthentication=no -o
ConnectTimeout=5 -o GSSAPIAuthentication=no -o ServerAliveInterval=30
-o ServerAliveCountMax=10 -i /var/folders/fq/
r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmark/run_8d1613f1/
perfkitbenchmark_keyfile cat coremark_v1.0/run1.log. Got return code
(0).

```

STDOUT: 2K performance run parameters for coremark.

CoreMark Size : 666
Total ticks : 14519
Total time (secs): 14.519000
Iterations/Sec : 13775.053378
Iterations : 200000
Compiler version : GCC4.8.4
Compiler flags : -O2 -g -O2 -DMULTITHREAD=1 -DUSE_PTHREAD -
DPERFORMANCE_RUN=1 -DPERFORMANCE_RUN=1 -lrt -lpthread
Memory location : Please put data memory location here
(e.g. code in flash, data on heap etc)

seedcrc : 0xe9f5
[0]crclist : 0xe714
[0]crcmatrix : 0x1fd7
[0]crcstate : 0x8e3a
[0]crcfinal : 0x4983

Correct operation validated. See readme.txt for run and reporting rules.

CoreMark 1.0 : 13775.053378 / GCC4.8.4 -O2 -g -O2 -DMULTITHREAD=1 -
DUSE_PTHREAD -DPERFORMANCE_RUN=1 -DPERFORMANCE_RUN=1 -lrt -lpthread /
Heap

STDERR: Warning: Permanently added '23.251.148.129' (ECDSA) to the
list of known hosts.

2016-04-13 19:46:51,995 8d1613f1 MainThread coremark(1/1) INFO
Cleaning up benchmark coremark
2016-04-13 19:46:51,995 8d1613f1 MainThread coremark(1/1) INFO
Tearing down resources for benchmark coremark
2016-04-13 19:46:51,996 8d1613f1 Thread-27 coremark(1/1) INFO
Running: gcloud compute instances delete pkb-8d1613f1-0 --format json
--quiet --project practical-bot-127123 --zone us-central1-a
2016-04-13 19:47:31,257 8d1613f1 Thread-27 coremark(1/1) INFO
Running: gcloud compute instances describe pkb-8d1613f1-0 --format
json --quiet --project practical-bot-127123 --zone us-central1-a
2016-04-13 19:47:32,541 8d1613f1 MainThread coremark(1/1) INFO
Running: gcloud compute firewall-rules delete perfkit-
firewall-8d1613f1-22 --format json --quiet --project practical-
bot-127123
2016-04-13 19:47:50,322 8d1613f1 MainThread coremark(1/1) INFO
Running: gcloud compute firewall-rules describe perfkit-
firewall-8d1613f1-22 --format json --quiet --project practical-
bot-127123
2016-04-13 19:47:51,543 8d1613f1 MainThread coremark(1/1) INFO
Running: gcloud compute firewall-rules delete default-
internal-8d1613f1 --format json --quiet --project practical-bot-127123
2016-04-13 19:48:14,462 8d1613f1 MainThread coremark(1/1) INFO
Running: gcloud compute firewall-rules describe default-
internal-8d1613f1 --format json --quiet --project practical-bot-127123
2016-04-13 19:48:15,687 8d1613f1 MainThread coremark(1/1) INFO

```
Running: gcloud compute networks delete pkb-network-8d1613f1 --format
json --quiet --project practical-bot-127123
```

```
2016-04-13 19:48:54,117 8d1613f1 MainThread coremark(1/1) INFO
```

```
Running: gcloud compute networks describe pkb-network-8d1613f1 --
format json --quiet --project practical-bot-127123
```

```
2016-04-13 19:48:55,381 8d1613f1 MainThread INFO
```

```
-----PerfKitBenchmarker Complete
```

```
Results-----
```

```
{'metadata': {'cloud': 'GCP',
              'image': 'ubuntu-14-04',
              'machine_type': 'n1-standard-1',
              'num_cpus': 1,
              'perfkitbenchmarker_version': 'unknown',
              'preemptible': False,
              'vm_count': 1,
              'zone': 'us-central1-a'},
 'metric': 'Coremark Score',
 'official': False,
 'owner': 'lichaozhang',
 'product_name': 'PerfKitBenchmarker',
 'run_uri': 'ef89b0e3-296e-4bd0-bebe-57ddbcd0229f',
 'sample_uri': 'b6fc001a-e2e5-4132-94ce-61878e6b86b1',
 'test': 'coremark',
 'timestamp': 1460591211.994254,
 'unit': '',
 'value': 13775.053378}
```

```
{'metadata': {'cloud': 'GCP',
              'image': 'ubuntu-14-04',
              'machine_type': 'n1-standard-1',
              'perfkitbenchmarker_version': 'unknown',
              'preemptible': False,
              'vm_count': 1,
              'zone': 'us-central1-a'},
 'metric': 'End to End Runtime',
 'official': False,
 'owner': 'lichaozhang',
 'product_name': 'PerfKitBenchmarker',
 'run_uri': 'ef89b0e3-296e-4bd0-bebe-57ddbcd0229f',
 'sample_uri': '088d366d-3cad-49eb-a99d-99f8fb23b578',
 'test': 'coremark',
 'timestamp': 1460591335.378118,
 'unit': 'seconds',
 'value': 327.5581159591675}
```

```
-----PerfKitBenchmarker Results
```

```
Summary-----
```

```
COREMARK:
```

```
num_cpus="1"
```

```
Coremark Score
```

```
13775.053378
```

End to End Runtime

327.558116 seconds

For all tests: cloud="GCP" image="ubuntu-14-04" machine_type="n1-standard-1" perfkitbenchmarker_version="unknown" preemptible="False" vm_count="1" zone="us-central1-a"

2016-04-13 19:48:55,382 8d1613f1 MainThread INFO Publishing 2 samples to /var/folders/fq/r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmarker/run_8d1613f1/perfkitbenchmarker_results.json
2016-04-13 19:48:55,382 8d1613f1 MainThread INFO Benchmark run statuses:

Name UID Status

coremark coremark0 SUCCEEDED

Success rate: 100.00% (1/1)

2016-04-13 19:48:55,382 8d1613f1 MainThread INFO Complete logs can be found at: /var/folders/fq/r7tm6d814zb_g_hgm0rndsz40000gn/T/perfkitbenchmarker/run_8d1613f1/pkb.log
1x-nat-vl932-172-30-211-109:PerfKitBenchmark lichoazhang\$