Install Docker

<https://www.digitalocean.com/community/tutorials/how-to-install-and-use-docker-on-ubuntu-18-04>

root@onetest-agent-perf-1:~# mkdir /onetest

root@onetest-agent-perf-1:/onetest# **gsutil cp gs://hclinstallfiles/HCL\_OT\_AGENT\_1002\_DOCKER\_IMG.zip /onetest**

Copying gs://hclinstallfiles/HCL\_OT\_AGENT\_1002\_DOCKER\_IMG.zip...

/ [1 files][ 1.0 GiB/ 1.0 GiB] 68.6 MiB/s

Operation completed over 1 objects/1.0 GiB.

apt install unzip

root@onetest-agent-perf-1:/onetest# unzip HCL\_OT\_AGENT\_1002\_DOCKER\_IMG.zip

root@onetest-agent-perf-1:/onetest# docker load -i hcl-onetest-agent-10.0.2.tar.gz

a1aa3da2a80a: Loading layer [==================================================>] 65.56MB/65.56MB

ef1a1ec5bba9: Loading layer [==================================================>] 991.2kB/991.2kB

6c3332381368: Loading layer [==================================================>] 15.87kB/15.87kB

e80c789bc6ac: Loading layer [==================================================>] 3.072kB/3.072kB

8a2a65c1f53d: Loading layer [==================================================>] 34.63MB/34.63MB

33dcbbd85136: Loading layer [==================================================>] 228.7MB/228.7MB

44a551549ad0: Loading layer [==================================================>] 20.99kB/20.99kB

f2267ab06138: Loading layer [==================================================>] 377.7MB/377.7MB

6b34fbadc06e: Loading layer [==================================================>] 46.05MB/46.05MB

d2558d97cb34: Loading layer [==================================================>] 363.1MB/363.1MB

672094bf5347: Loading layer [==================================================>] 745.4MB/745.4MB

6c4940cb9f6e: Loading layer [==================================================>] 3.072kB/3.072kB

fef28a430d06: Loading layer [==================================================>] 213.8MB/213.8MB

b9c74f3b3bc0: Loading layer [==================================================>] 5.632kB/5.632kB

b4700a8bdfca: Loading layer [==================================================>] 5.632kB/5.632kB

Loaded image: hcl-onetest-agent:10.0.2

<https://help.hcltechsw.com/onetest/hclonetestperformance/10.1/com.ibm.rational.test.lt.common.doc/topics/t_test_dock_agent.html#task_dmw_fwb_t2b>

root@onetest-agent-perf-1:/onetest# docker run -dit --rm -e **MASTER\_NAME=10.142.0.11** MASTER\_PORT=7080 hcl-onetest-agent:10.0.2

3c935c4b4e077ec6063c87fd57150336550425e6aa1e909073140ba6f02a18ce

docker run -dit --rm -e **MASTER\_NAME=10.142.0.11** JAVA\_OPTS='-Xmx10g' hcl-onetest-agent:10.0.2

-e JAVA\_OPTS='-Xmx10g'

->MASTER\_NAME=<Internal IP>

C:\Users\onetest>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . : us-east1-b.c.commerce-product.internal

Link-local IPv6 Address . . . . . : fe80::d111:2799:a6:f7ab%5

IPv4 Address. . . . . . . . . . . : 10.142.0.11

Subnet Mask . . . . . . . . . . . : 255.255.240.0

Default Gateway . . . . . . . . . : 10.142.0.1

Configure Remote Agent in Controller Location

Machine generated alternative text:
Test Data Sources 
Test Navigator 
Emerald 
> src 
Datasets 
> B Datapools 
> Functional Reports 
Locations 
Schedules 
agent-I 
localhost 
> Others 
> Recording Sessions 
> Results 
Schedules 
> Tests 
EmeraldFlowSVTData 
Location 
Information 
localhost 
The general information of this location. 
Name: 
agent-I 
Description: 
File: /Emerald/Schedules/agent-1.location 
Host Name or IP Address: 
3475237.16 
Property Groups 
The property groups of this location. 
General Properties 
General Properties 
The general properties of this location 
OPERATING SYSTEM 

Configure the User Group in the OneTest Schedule to use the remote agent

Machine generated alternative text:
User Group Details 
@ Percentage: 100 
Behavior— 
@ Define locally 
C) Use compound test 
Browse... 
Create... 
ti 
Options Variable Initialization 
C) Run this group on the local computer 
@ Run this group on the following locations (1 defined) 
Name 
localhost 
Z] agent-I 
Hostname 
localhost 
3475237.16 
Directory 
IP Aliasing 

Invalid Error Message:

Machine generated alternative text:
Down 
O 
Performance Test 
The specfied operating system (Linux) for location 10.142.0.11 is inconsistent with 
the actual platform (Windows) running at that location. Please update the operating 
system to match and then try' again. For more information, see the Troubleshooting 
section of the online help. 
Check Agents Failed 
C) Run this gro 
@ Run this gro 
0.1420 

Machine generated alternative text:
B2CFlow GiB2CFlow 
VU Schedule - B2CFlow 
Schedule Contents 
Enter filter text 
v 82CFlow 
User Group I (Im%) 
Edit Location 
Generall IP Aliasing 
Edit the general properties for this location. 
Host name: 
Deployment directory. 
Operating system: 
10.142.0.11 
The fully qualified host name or ip address of 
the computer that this location refers to. 
10.142.0.11 
A descriptive name of the computer that this 
location refers to. (Example: "Pat's PC") 
The directory on the computer in which to copy 
files necessary for the execution of the schedule. 
Windows 
The operating system that is running on the 
computer that this location refers to. 
Cancel 
User Group Details 
Group name: User Group I 
Group size 
C) Absolute: 
@ Percentage: IDO 
Behavior 
@ Define locally 
C) Use compound test 
Options Variable Initialization 
C) Run this group on the local computer 
@ Run this group on the following locations (I defined) 
Name 
10.142.0.11 
Hostname 
10.1420.11 
Directory 
C. • Item p 

Run the test:

Machine generated alternative text:
O 
Performance Test 
Agent 34.75.237.16 not ready, time of last contact: No successful contact 
Check Agents Failed 
x 
OK 

Check n/w firewall rules

Machine generated alternative text:
Network interface details 
Name 
nico 
Network 
default 
Subnetwork 
default 
Primary internal IP 
10.142.0.33 
Alias IP ranges 
External IP 
34.74.160.61 
Network Service Tier 
Premium 
IP forwarding 
Off 

create n/w tag by editing VM Instance

Machine generated alternative text:
Network tags 
onetest-agent 

create firewall rule

Ingress & Egress: 0.0.0.0/0

**docker run -dit --rm -e MASTER\_NAME=10.142.0.11 ~~MASTER\_PORT=7080~~ hcl-onetest-agent:10.0.2**

Manually ddit config file. The docker run command used above causes the config file to have invalid entries:

<MajordomoConfig xmlns="http://www.example.org/MajordomoConfiguration">

<debug>true</debug>

<canonicalHostName></canonicalHostName>

<ipAddress>10.142.0.33</ipAddress>

<pollInterval>10</pollInterval>

<workbenches>

<hostName>10.142.0.11</hostName>

<port>7080</port>

</workbenches>

</MajordomoConfig>

root@onetest-agent-perf-1:/onetest# **docker cp ./majordomo.config 85de5df5534f:/opt/HCL/HCLOneTest/Majordomo/majordomo.config**

* Disable Windows Firewall (Controller VM) and/or
* Create Inbound / Outbound TCP rules to allow Port traffic on 7080

Machine generated alternative text:
Windows Defender Firewall with Advanced Security 
Eile Action View Help 
zfr]1 3 1 
Windows Defender Firewall witl 
Inbound Rules 
les 
Outbound Ru 
Connection Security Rules 
Monitoring 
Allow outgoing to GCE metadata server 
o 
OneTest Agent Comm - Outbound 
O AllJoyn Router (TCP-out) 
Group 
AllJoyn Router 
Profile 
Donna'... 
Enabled 
Yes 
Action 
Allow 
Allcw 
Allow 
Override 
No 
Program 
Any 
Any 
%System... 
Local Address 
Any 
Any 
Remote Address 
169.254.169.254 
Any 
Protocol 
Any 
TCP 
TCP 
Local Port 
Any 
Any 
Remote Port 
Any 
7080 
Authorizec 
Any 
Any 

Machine generated alternative text:
Windows Defender Firewall with Advanced Security 
Eile Action View Help 
Windows Defender Firewall witl 
Inbound Rules 
Outbound Rules 
Connection Security Rules 
> Monitoring 
Inbound Rules 
Name 
ICMP Allow incoming V4 echo request 
o 
OneTest Agent Ccmm - Inbcund 
Windows Remote Management (HTTPS-.. 
Group 
Profile 
Enabled 
Action 
Allow 
Allcw 
Allow 
Override 
Program 
Any 
Any 
Any 
Local Address 
Any 
Any 
Any 
Remote Address 
Any 
Any 
Any 
Protocol 
ICMPv4 
TCP 
TCP 
Local Port 
Any 
7080 
Remote Port 
Any 
Any 
Any 
Authonzec 
Any 
Any 
Any 