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CSC 330-01

The screenshot shows the Google Cloud Platform console for 'My First Project'. The left sidebar lists various services, with 'Compute Engine' selected. The main area displays 'VM instance details' for 'instance-1'. The instance is of type 'f1-micro' (1 vCPU, 0.6 GB memory) in the 'us-east1-b' zone. It has a primary internal IP of 10.142.0.2 and an external IP of 34.73.252.107 (ephemeral). The instance was created on Jan 28, 2019, at 2:11:08 PM. A table at the bottom lists network interfaces, showing 'nic0' with a primary internal IP of 10.142.0.2 and an external IP of 34.73.252.107 (ephemeral).

Name	Network	Subnetwork	Primary internal IP	Alias IP ranges	External IP	Network Tier	IP forwarding	Network details
nic0	default	default	10.142.0.2	—	34.73.252.107 (ephemeral)	Premium	Off	View details

This screenshot shows the same Google Cloud Platform console as above, but with two terminal windows overlaid. The top terminal window is a Windows Command Prompt showing the command 'C:\Users\Claudio>gcloud compute ssh instance-1'. The bottom terminal window is a Debian Linux shell showing the SSH connection details, including the username 'Claudio', the public key used for authentication, and the system information (Debian GNU/Linux 4.9.0-8-amd64).

```
Claudio@instance-1:~$  
Using username "Claudio".  
Authenticating with public key "CLAUDIOS-LAPTOP\Claudio@Claudios-Laptop"  
Linux instance-1 4.9.0-8-amd64 #1 SMP Debian 4.9.130-2 (2018-10-27) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Wed Jan 30 19:19:42 2019 from 149.152.191.2  
Claudio@instance-1:~$
```

Compute Engine - My First Project

https://console.cloud.google.com/compute/instancesDetail/zones/us-east1-b/instances/instance-1?project=sunny-influence-229403

Google Cloud Platform

Command Prompt - gcloud compute ssh instance-1

```
Microsoft Windows [Version 10.0.17763.292]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Claudio>gcloud compute ssh instance-1
```

Claudio@instance-1: ~/stuff

```
Using username "Claudio".
Authenticating with public key "CLAUDIOS-LAPTOP\Claudio@Claudios-Laptop"
Linux instance-1 4.9.0-8-amd64 #1 SMP Debian 4.9.130-2 (2018-10-27) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Jan 30 19:19:42 2019 from 149.152.191.2
Claudio@instance-1:~$ mkdir stuff
Claudio@instance-1:~$ cd stuff
Claudio@instance-1:~/stuff$ nano
Claudio@instance-1:~/stuff$ cp f1.txt f2.txt
Claudio@instance-1:~/stuff$ cp f1.txt f3.txt
Claudio@instance-1:~/stuff$ ls
f1.txt  f2.txt  f3.txt
Claudio@instance-1:~/stuff$ mv f3.txt f3_new.txt
Claudio@instance-1:~/stuff$ ls
f1.txt  f2.txt  f3_new.txt
Claudio@instance-1:~/stuff$
```

VM instance details

Instance group	Instance template	Sole tenant nodes	Disks	Snapshots	Images	TPUs	Committed use discounts	Metadata	Health checks	Marketplace
nic0	default	default	10.142.0.2	-	34.73.252.107 (ephemeral)	Premium	Off	View details		

Type here to search

Compute Engine - My First Project

https://console.cloud.google.com/compute/instancesDetail/zones/us-east1-b/instances/instance-1?project=sunny-influence-229403

Google Cloud Platform

VM instance details

Enable connecting to serial ports

Claudio@instance-1: ~/stuff

```
Claudio@instance-1:~/stuff$ nano
Claudio@instance-1:~/stuff$ python3 hwk1_1.py
hello CSC330
Claudio@instance-1:~/stuff$ python3 hwk1_1.py > output.txt
Claudio@instance-1:~/stuff$ cat output.txt
hello CSC330
Claudio@instance-1:~/stuff$ ls
f1.txt  f2.txt  f3_new.txt  hwk1_1.py  output.txt
Claudio@instance-1:~/stuff$
```

VM instance details

Instance group	Instance template	Sole tenant nodes	Disks	Snapshots	Images	TPUs	Committed use discounts	Metadata	Health checks	Marketplace
nic0	default	default	10.142.0.2	-	34.73.252.107 (ephemeral)	Premium	Off	View details		

Type here to search

