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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Document History

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| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
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# Connecting a Cloud Service

## Exercise CLOUD-EX-01:

**Definiton:** Please create an account in one of Cloud Service Providers ( Google Cloud Platform – GCP or Amazon – AWS ) and create a simple machine. And then, make ping test from your local machine to cloud machine.

***Note***: If you are not a student and do not have access to free credits on cloud platforms, you may skip this homework if you wish.

**Cloud Services:**

<https://cloud.google.com/edu/students>

<https://aws.amazon.com>

**GCP Tutorial:**

<https://www.youtube.com/watch?v=GKEk1FzAN1A>

**Sample Output:**

mennan@MacBook-Pro ~ % ping 34.125.2.150  
PING 34.125.2.150 (34.125.2.150): 56 data bytes  
64 bytes from 34.125.2.150: icmp\_seq=0 ttl=60 time=193.818 ms  
64 bytes from 34.125.2.150: icmp\_seq=1 ttl=60 time=193.497 ms  
^C  
--- 34.125.2.150 ping statistics ---  
2 packets transmitted, 2 packets received, 0.0% packet loss  
round-trip min/avg/max/stddev = 193.497/193.658/193.818/0.160 ms  
mennan@MacBook-Pro ~ %

## CLOUD-EX-01 Solution:

**Your Answer:**

Within the scope of this study, a virtual machine was installed on two different cloud providers and ping tests were performed from the local computer. The aim is to verify the connection to the resources created on the cloud.

Platforms Used:

* Google Cloud Platform (GCP)
* Amazon Web Services (AWS)

Free Tier is used on both platforms.

Result: Virtual machine installation and connection tests on both cloud platforms have been successfully completed.

During the installation:

* Compute Engine API activation on GCP and adding a firewall rule
* Security Group ICMP rule definition on AWS

steps were found to be critical.

