

## Networking-Project

### Public-ECS:

```
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Welcome to Alibaba Cloud Elastic Compute Service !

root@i214vdyhoib0jv7votdhic2:~# ping alibabacloud.sa
PING alibabacloud.sa (95.177.164.12) 56(84) bytes of data.
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=1 ttl=243 time=17.0 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=2 ttl=243 time=15.8 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=3 ttl=243 time=15.5 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=4 ttl=243 time=16.2 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=5 ttl=243 time=15.6 ms
^C
--- alibabacloud.sa ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 15.487/15.985/16.953/0.538 ms
root@i214vdyhoib0jv7votdhic2:~# ping 172.16.1.27
PING 172.16.1.27 (172.16.1.27) 56(84) bytes of data.
64 bytes from 172.16.1.27: icmp_seq=1 ttl=64 time=1.48 ms
64 bytes from 172.16.1.27: icmp_seq=2 ttl=64 time=1.32 ms
64 bytes from 172.16.1.27: icmp_seq=3 ttl=64 time=1.32 ms
64 bytes from 172.16.1.27: icmp_seq=4 ttl=64 time=1.32 ms
^C
--- 172.16.1.27 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 1.320/1.361/1.482/0.069 ms
root@i214vdyhoib0jv7votdhic2:~# ^C
root@i214vdyhoib0jv7votdhic2:~# ^C
root@i214vdyhoib0jv7votdhic2:~# _
```

### Private-ECS Before and After using Internet NAT Gateway:

```
To check for new updates run: sudo apt update

Welcome to Alibaba Cloud Elastic Compute Service !

root@i214v8h9j482fzv3zmvdd2:~# ping alibabacloud.sa
PING alibabacloud.sa (95.177.164.12) 56(84) bytes of data.
^C
--- alibabacloud.sa ping statistics ---
11 packets transmitted, 0 received, 100% packet loss, time 10238ms

root@i214v8h9j482fzv3zmvdd2:~# ping 172.16.2.198
PING 172.16.2.198 (172.16.2.198) 56(84) bytes of data.
64 bytes from 172.16.2.198: icmp_seq=1 ttl=64 time=1.57 ms
64 bytes from 172.16.2.198: icmp_seq=2 ttl=64 time=1.09 ms
64 bytes from 172.16.2.198: icmp_seq=3 ttl=64 time=0.992 ms
64 bytes from 172.16.2.198: icmp_seq=4 ttl=64 time=0.997 ms
^C
--- 172.16.2.198 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3003ms
rtt min/avg/max/mdev = 0.992/1.161/1.565/0.236 ms
root@i214v8h9j482fzv3zmvdd2:~# ping alibabacloud.sa
PING alibabacloud.sa (95.177.164.12) 56(84) bytes of data.
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=1 ttl=243 time=18.7 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=2 ttl=243 time=17.5 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=3 ttl=243 time=17.6 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=4 ttl=243 time=17.2 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=5 ttl=243 time=17.2 ms
64 bytes from 95.177.164.12 (95.177.164.12): icmp_seq=6 ttl=243 time=17.1 ms
^C
--- alibabacloud.sa ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5006ms
rtt min/avg/max/mdev = 17.134/17.544/18.682/0.538 ms
root@i214v8h9j482fzv3zmvdd2:~#
```