

# How to Open Port on Oracle Cloud Ubuntu Server

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Oracle Cloud Ubuntu virtual machines are not compatible with UFW firewall. This is because oracle cloud needs some iptables rules to communicate with storage devices.

To open a port in Oracle cloud Ubuntu Virtual Machine, edit file

```
vi /etc/iptables/rules.v4
```

Find the line

```
-A INPUT -p tcp -m state --state NEW -m tcp --dport 22 -j ACCEPT
```

This is the rule for opening port 22 (SSH). To open another port, duplicate this line, replace 22 with the port you need to open.

For example, to open ports 80 and 443, add these 2 lines below.

```
-A INPUT -p tcp -m state --state NEW -m tcp --dport 80 -j ACCEPT
-A INPUT -p tcp -m state --state NEW -m tcp --dport 443 -j ACCEPT
```

IMPORTANT: Do not remove the entry for port 22. If you remove this line, you won't be able to SSH into the server.

To activate the firewall rules, run the command

```
sudo iptables-restore < /etc/iptables/rules.v4
```

To see the INPUT rules, run the command

```
root@oc1-serverok-in:~# iptables -L INPUT
Chain INPUT (policy ACCEPT)
target     prot opt source                destination          state
ACCEPT     all  --  anywhere              anywhere             state RELATED,ESTABLISHED
ACCEPT     icmp --  anywhere              anywhere
ACCEPT     all  --  anywhere              anywhere
ACCEPT     udp  --  anywhere              anywhere             udp spt:ntp
ACCEPT     tcp  --  anywhere              anywhere             state NEW tcp dpt:ssh
ACCEPT     tcp  --  anywhere              anywhere             state NEW tcp dpt:http
ACCEPT     tcp  --  anywhere              anywhere             state NEW tcp dpt:https
REJECT     all  --  anywhere              anywhere             reject-with icmp-host-prohibited
root@oc1-serverok-in:~#
```

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