

Ubuntu Uncomplicated Firewall (ufw) cookbook of configuration examples

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[Disable/unload the firewall](#)

[Verify status of the ufw firewall](#)

[Enable ufw firewall](#)

[Allow SSH access to this server from Any IP source](#)

[Delete a rule by its number](#)

Disable/unload the firewall

Beware: after running this command all access restrictions imposed by ufw rules will be gone.

ufw disable

Verify status of the ufw firewall

ufw status - Show short status.

```
Status: active
```

| To | Action | From |
|----------|--------|---------------|
| -- | ----- | ---- |
| 22 | ALLOW | Anywhere |
| Anywhere | ALLOW | 10.10.10.0/24 |
| 22 (v6) | ALLOW | Anywhere (v6) |

ufw status verbose - Show all rules, including the default ones, and logging level.

```
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), allow (routed)
New profiles: skip
```

| To | Action | From |
|----------|----------|---------------|
| -- | ----- | ---- |
| 22 | ALLOW IN | Anywhere |
| Anywhere | ALLOW IN | 10.10.10.0/24 |
| 22 (v6) | ALLOW IN | Anywhere (v6) |

ufw status numbered - Show rules with their sequence numbers, that we can later use to delete some specific rule.

```
Status: active
      To      Action     From
      --      -
[ 1] 22      ALLOW IN   Anywhere
[ 2] Anywhere ALLOW IN   10.10.10.0/24
[ 3] 22 (v6) ALLOW IN   Anywhere (v6)
```

Enable ufw firewall

ufw enable - Enable *ufw* firewall and load the default rules, as well as user created if any in the `/etc/ufw/user.rules`.

Allow SSH access to this server from Any IP source

ufw allow 22 - Add port 22 to the `filter` table with action of `allow`. The rule will be added to the `/etc/ufw/user.rules` file and will survive reboot.

Delete a rule by its number

ufw delete <rule number>

First, see the rule numbers with **ufw status numbered**. Let's say I want to delete rule number 2:

```
# ufw delete 2
Deleting:
  allow from 10.10.10.0/24
Proceed with operation (y|n)? y
Rule deleted
```

On deleting a rule, the *ufw* moves rules up, taking place of the removed rule in sequencing. That is, the rule that was numbered 3 before the deletion of rule 2, will become new rule number 2.