Ubuntu Uncomplicated Firewall (ufw) cookbook of configuration examples

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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.