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How To: Ubuntu Linux Firewall Open Port Command

by VIVEK GITE on AUGUST 3, 2015 *last updated* MARCH 2, 2016

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How do I open port 80 and 443 on a Ubuntu Linux LTS version 14.04 server?



Ubuntu Linux server comes with firewall configuration tool called ufw (Uncomplicated Firewall). It is the default tool. ufw is very easy to use and configure host based firewall settings. This program is for managing a Linux firewall and aims to provide an easy to use interface for the user. For example:

1. You can open/close ports.
2. Block an IPv4/IPv6 address.
3. Delete existing firewall rules.
4. Turn on or off firewall logs.
5. And more.

How do I see the current status of my firewall?

Type the following command:

```
sudo ufw status verbose
```

Sample outputs:

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

To Action From
--
71.81.22.14 80/tcp ALLOW IN Anywhere
71.81.22.15 80/tcp ALLOW IN Anywhere
```

Fig.01: Check the status of UFW on a Ubuntu Linux

How do I open tcp port # 22?

To allow incoming tcp packets on port 22, enter:

```
sudo ufw allow 22/tcp
```

Verify it:

```
sudo ufw status verbose
```

How do I open tcp port # 80 and 443?

The service specific syntax is as follows to open http and https service ports:

```
sudo ufw allow http
sudo ufw allow https
```

OR

```
sudo ufw allow 80/tcp
sudo ufw allow 443/tcp
```

How do I open tcp and udp port # 53?

To allow incoming tcp and udp packet on port 53, enter:

```
sudo ufw allow 53
```

Verify it:

```
sudo ufw status verbose
```

Advanced examples

To allow IP address 192.168.1.10 access to port 22 for all protocols

```
sudo ufw allow from 192.168.1.10 to any port 22
```

Open port 74.86.26.69:443 (SSL 443 nginx/apache/lighttpd server) for all, enter:

```
sudo ufw allow from any to 74.86.26.69 port 443 proto tcp
```

To allows subnet 192.168.1.0/24 to Sabma services, enter:

```
ufw allow from 192.168.1.0/24 to any app Samba
```

You can find service info as follows:

```
sudo ufw app list
```

Sample outputs:

Available applications:

```
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  Squid
```

To get information on Squid profile/app, run:

```
ufw app info Squid
```

Sample outputs:

```
Profile: Squid
Title: Squid proxy cache
Description: Internet object cache (WWW proxy cache)

Ports:
  2048,3128,3130,3401,4827/tcp
```

See ufw command man page for more info.

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muhammed August 4, 2015, 11:50 am

Dear Guru,
i need step in installing
Pydio on the Linux server.
Thanks

REPLY LINK

Jouni "rautamiekka" Järvinen August 4, 2015, 2:52 pm

UFW isn't good enough, so we're not using it, instead learning `iptables`.

REPLY LINK

Ravi August 5, 2015, 2:06 am

This was an informative article. Thanks.

REPLY LINK

Carol Spears August 6, 2015, 2:51 am

UFW was as complicated to learn as iptables.

REPLY LINK

Fábio August 10, 2015, 11:26 pm

Nice article. I sometimes configure UFW, but I think it's better just to work directly with iptables. Thank you.

REPLY LINK

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