**Setting up a firewall for LAN**

* Firewalls are a vital part of network security.
* A firewall is able to manage this traffic by monitoring network ports.
* For the purpose of firewalls, a port is an artificial construct created by the operating system to represent a pathway for a specific type of data
* Uncomplicated Firewall, abbreviated as UFW, is an easy-to-use and readable firewall interface.
* It supports IPV4 and IPV6 versions of ubuntu.

Step 1: Update APT

First update your API. So, by entering the following commands:

$ sudo apt update

Step 2: Upgrade APT

$ sudo apt upgrade

Step 3: Download and Install UFW

$ sudo apt install UFW

Step 4: Enable / Disable UFW

You can enable / disable the UFW service every time the system boots up via the following commands:

$ sudo UFW enable

$ sudo UFW disable

Checks the current status of UFW using the terminal command below:

$ sudo UFW status

Step 5: Blocks incoming and allow outgoing data traffic to block any incoming and allow outgoing data traffic, which is the default configuration in the UFW policy, enter the following commands:

$ sudo UFW default allow outgoing

Step 6: Add, modify and delete Firewall rules.

$ sudo UFW allow http

$ sudo UFW allow 80

You can specify ranges for a specific port. To do so, execute the following commands:

$ sudo UFW allow 2000:3000/tcp