Instructions

Installation

> npm install

Running the Application

> npm start

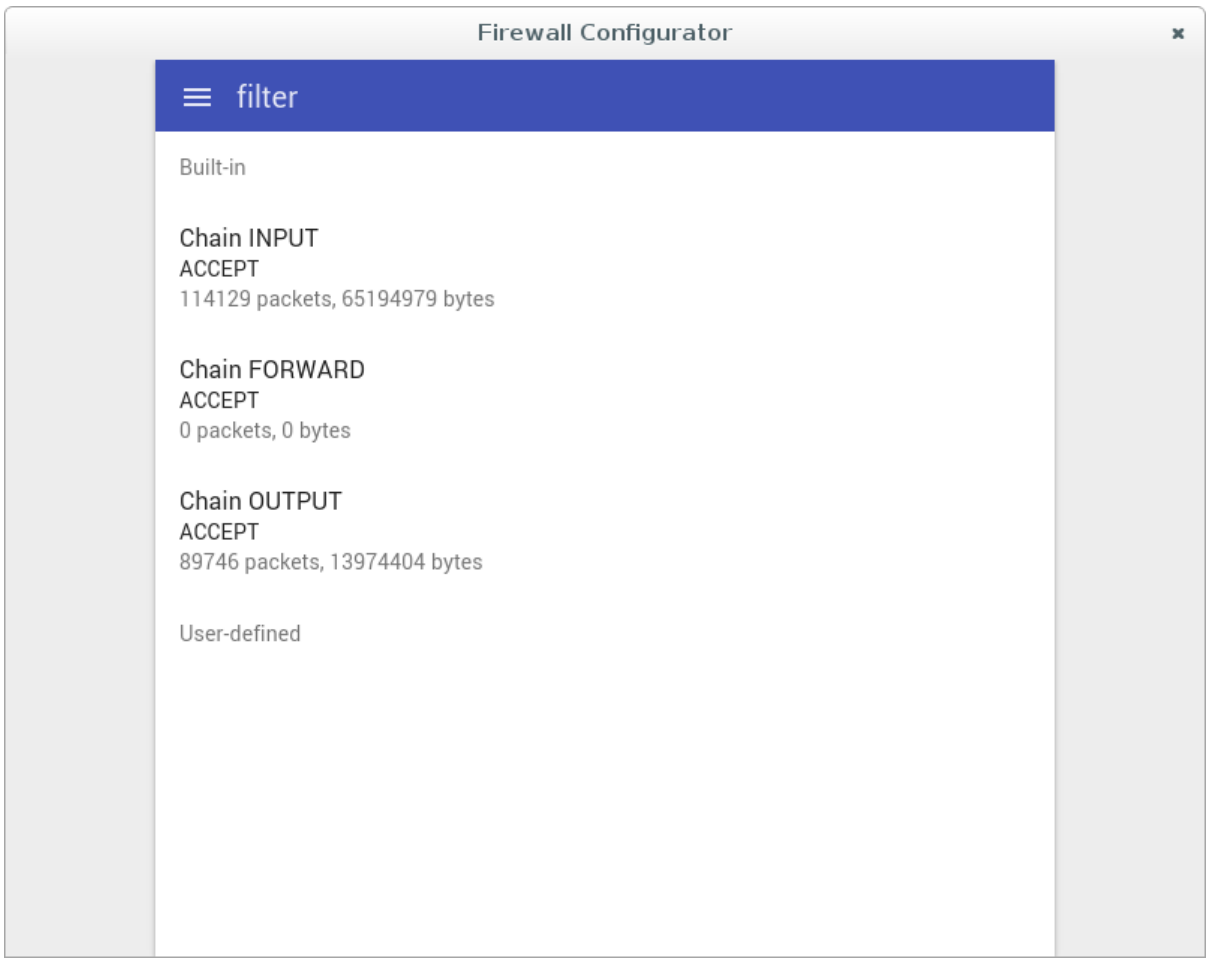
Launch screen

Input fields can be used to change the paths used for:

- iptables-save
- iptables-restore

Pressing ‘Import Tables’ will run iptables-save and start the application.

Main screen



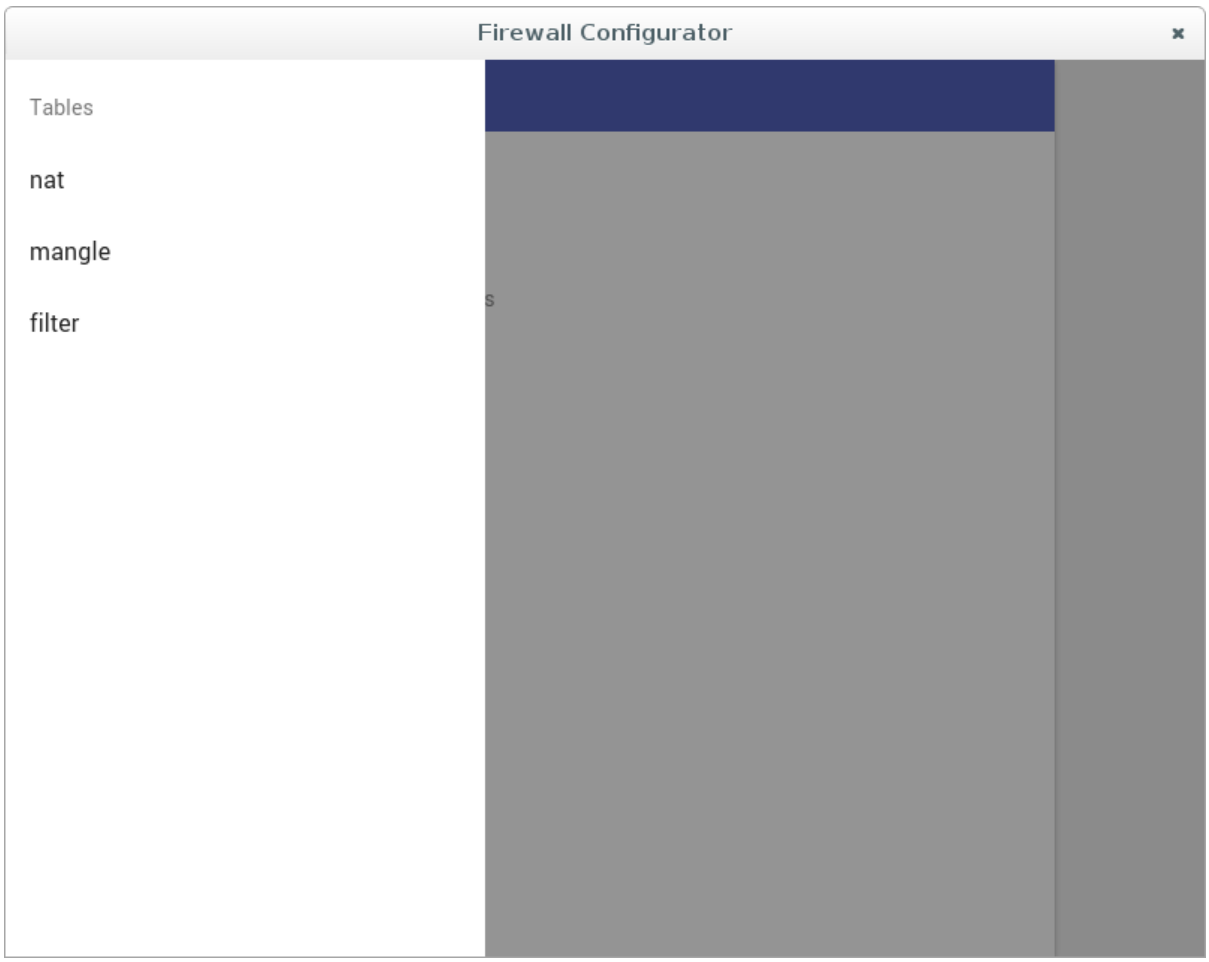
The default table will show up once the firewall rules are loaded.

Rule chains are separated into two categories:

- Built-in chains
- User-defined chains

Clicking on the chain will navigate to the rules screen.

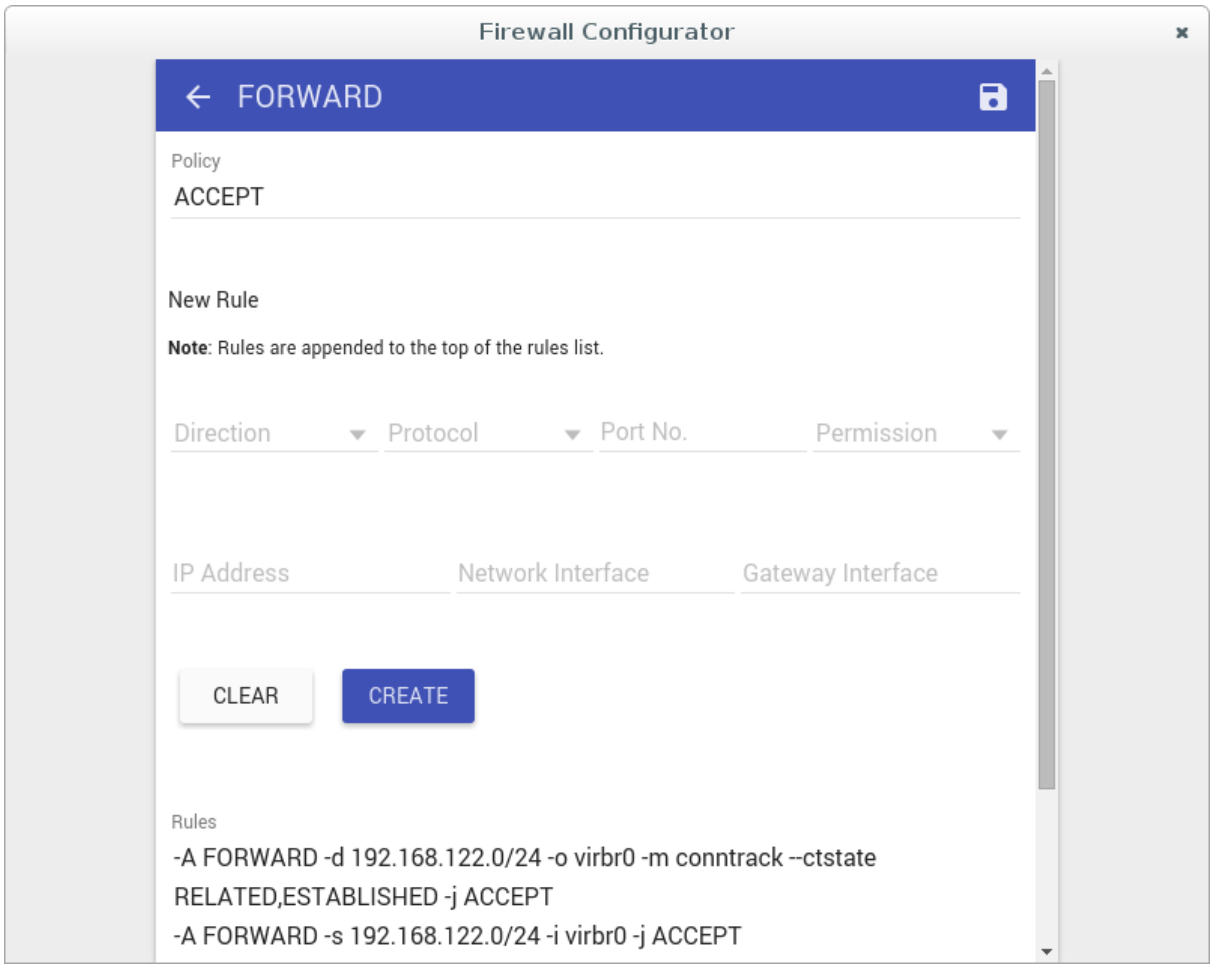
Navigation drawer



Pressing on the menu button (hamburger) on the top left of the toolbar will open the navigation drawer. All of the tables retrieved by ‘iptables-save’ will be shown here.

Clicking on the table will navigate to the main screen.

Rules screen (FORWARD chain)



Details about the selected chain will be shown here.

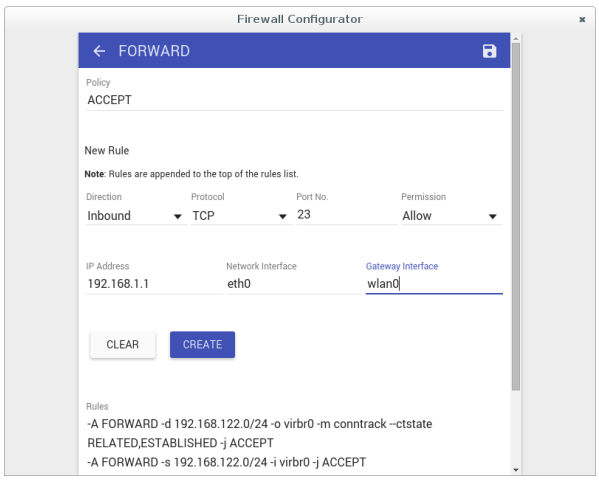
If the selected chain is a built-in chain, then a policy input field will appear. This field can be used to change the default policy.

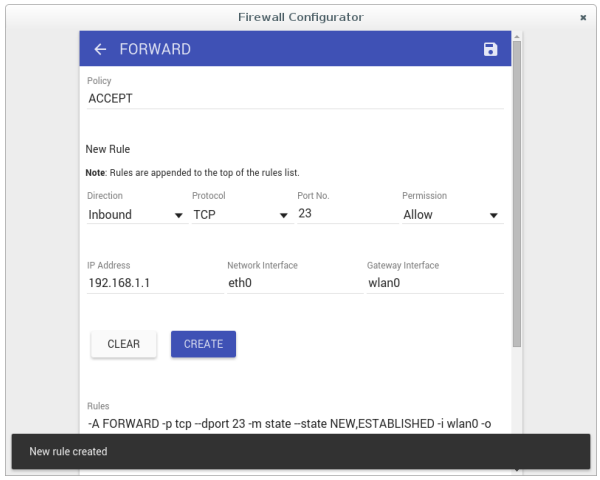
In the forward chain of the ‘filter’ table, a ‘New Rule’ section will appear. All of the input fields must be filled out for a rule to be created. The required fields include:

- Direction
- Protocol
- Port or Type Number
- Permission
- IP Address
- Network Interface
- Gateway Interface

Rules will be prepended to the rules chain in the text area below.

Examples


Firewall Configurator
FORWARD
Policy
ACCEPT
New Rule
Note: Rules are appended to the top of the rules list.
Direction
Protocol
Port No.
Permission
Inbound
TCP
23
Allow
IP Address
Network Interface
Gateway Interface
192.168.1.1
eth0
wlan0
CLEAR
CREATE
Rules
-A FORWARD -d 192.168.122.0/24 -o virbr0 -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
-A FORWARD -s 192.168.122.0/24 -i virbr0 -j ACCEPT


Firewall Configurator
FORWARD
Policy
ACCEPT
New Rule
Note: Rules are appended to the top of the rules list.
Direction
Protocol
Port No.
Permission
Inbound
TCP
23
Allow
IP Address
Network Interface
Gateway Interface
192.168.1.1
eth0
wlan0
CLEAR
CREATE
Rules
-A FORWARD -p tcp --dport 23 -m state --state NEW,ESTABLISHED -i wlan0 -o
New rule created