
To test and run OpenSwitch, you can follow these steps:

To start the FreeSwitch service, use the command

```
docker-compose up -d
```

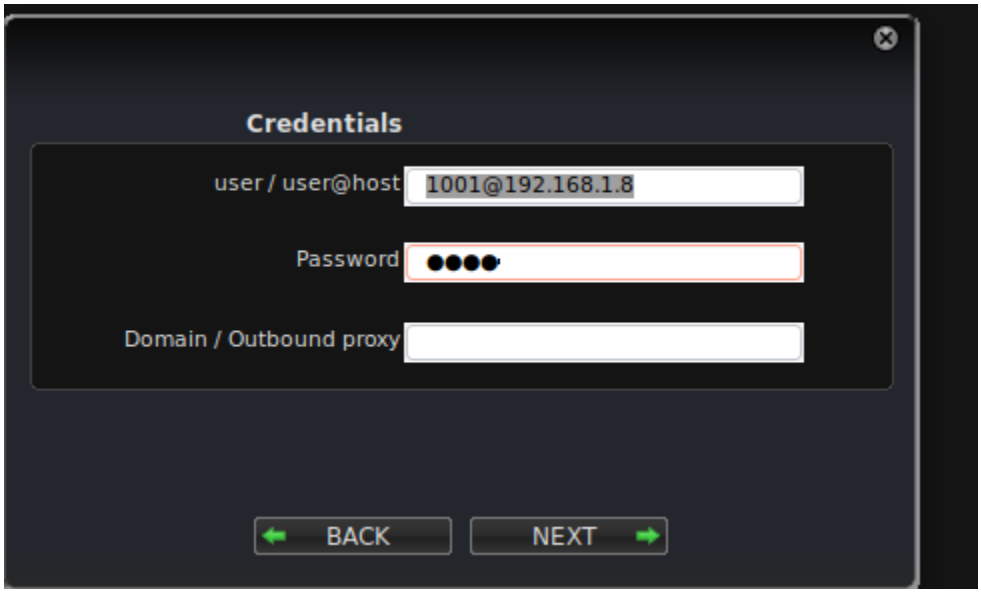
Test it with sip client such as zoiper :

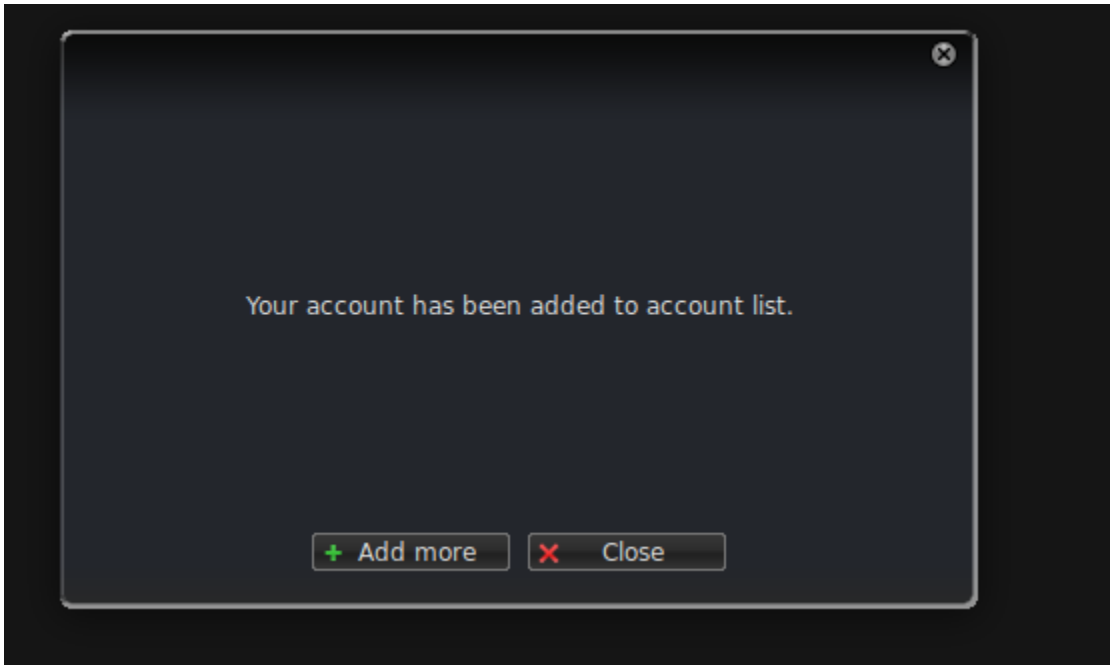
- **Install zoiper**

username : 1001

pass: 1234

host: ur public ip





`Fs_cli:`

To interact with the FreeSwitch server, you can use the `fs_cli` command-line interface. It allows you to manage and control various aspects of the FreeSwitch system. To access it, log in to the container or service by running:

docker-compose exec -it freeswitch /bin/bash

Once inside the container, run the command :

`fs_cli` .... to start the FreeSwitch CLI.

To check the number of registrations, use the command

`show registrations`

The output will display the registered users, realms, tokens, URLs, expiration times, network IP addresses, network ports, network protocols, hostnames, and metadata.

```
2023-08-02 10:45:17.478242 78.93% [CONSOLE] mod_voicemail.c:4068 Event Thread Started
freeswitch@freeswitch> show registrations
reg_user,realm,token,url,expires,network_ip,network_port,network_proto,hostname,metadata
1001,192.168.1.8,ODQ1NWI4ZjhkNDkyNjZiZjlkZDYwZjZkNjFmMzY5Njk.,sofia/internal/sip:1001@192.168.1.8:41983;rinstance=846244b675c6073b;transport=TCP,1690976908,192.168.1.8,51760,tcp,freeswitch,

1 total.

freeswitch@freeswitch>
```

To check SIP traffic, you can use the following tools:

SNGREP: NGREP is a command-line tool for displaying SIP message flow in the terminal. It can capture SIP packets and save them in PCAP files for further analysis with tools like SNGREP, Tcpdump, or Wireshark.

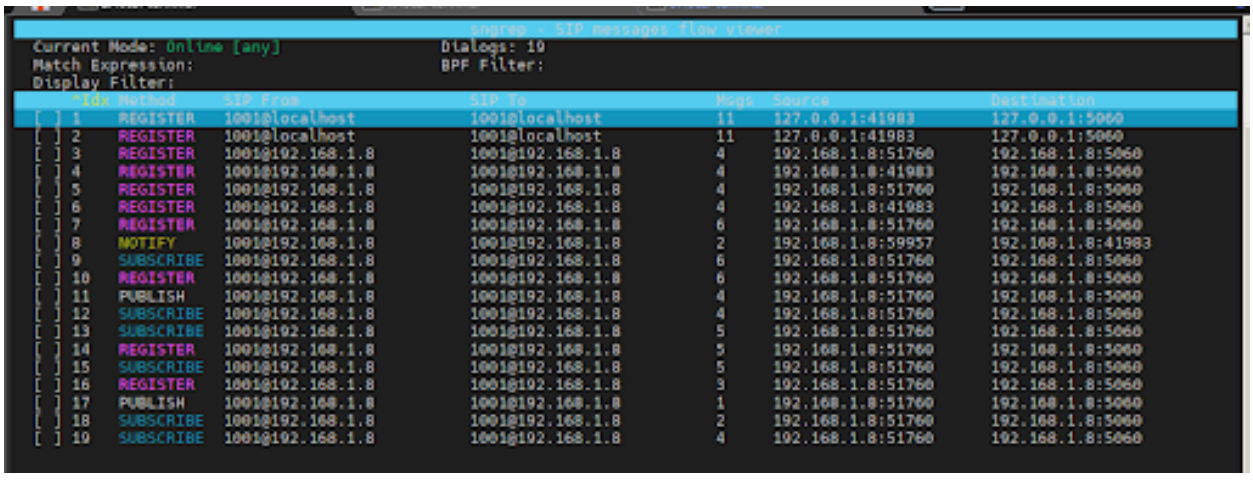
SNGREP is a powerful tool for troubleshooting SIP problems. It allows you to see the SIP messages exchanged between endpoints, identify any issues with SIP signaling, view SIP dialogs, and track call progress.

To use SNGREP, log in to the container by running:

```
docker-compose exec -it freeswitch /bin/bash
```

Then, to view SIP traffic, run:

```
sngrep
```



To stop the FreeSwitch service, use the command:

```
docker-compose down -d
```

My devops repo :

- https://github.com/vishalk17/devops

My telegram channel:

- https://t.me/vishalk17_devops

Contact:

Telegram : t.me/vishalk17

vishalk17 My youtube Channel :

- YouTube https://www.youtube.com/@vishalk17