

How to install the O1 interface.



The above zip file contains SMO NETCONF client support for O1 interface. It brings up two containers, SDNR and SDNR_DB which support O1 interface. The containers acts as a NETCONF client to the O-RAN elements (O-RU, O-CU, O-DU and the Near RT-RIC). It has both a GUI as well as RESTCONF support for the configuration management of devices.

Prerequisites:

- docker
- docker-compose
- Java, version 11 or newer

Instructions

Below are the steps to bring up the required services

1. Download and unzip the file

```
unzip o1-netconf.zip
```

2. Bringup the services

```
cd client
docker-compose up -d
```

3. check status

```
docker-compose ps
```

Expect an output that looks something like this:

```
$ docker-compose ps
Name      Command                                State Ports
-----
sdnr      /bin/sh -c /opt/onap/sdnc/            Up      0.0.0.0:8101->8101/tcp, :::
...      ...                                     8101->8101/tcp, 0.0.0.0:81
                                              81->8181/tcp, :::8181->8181
                                              /tcp
sdnrdb    /tini -- /usr/local/bin/do            Up      9200/tcp, 9300/tcp
```

Access details

Access the GUI and RESTCONF interface using the following URLs, credentials are common for both of them.

GUI: `http://<host_ip>:8181/odlux/index.html`

Restconf: `http://<host_ip>:8181/apidoc/explorer/index.html`

username/password: admin/ Kp8bJ4SXszM0WXlhak3eHlcse2gAw84vaoGGmJvUy2U