

MAP Demonstration



This MAP demonstration consists of two parts “originator” and “responder”. The “originator” application sends “MAP-MO-ForwardSM-Request” and “MAP-MT-ForwardSM-Request” messages to the “responder” application. The “responder” application responds with “MAP-MO-ForwardSM-Response” and “MAP-MT-ForwardSM-Response” messages respectively.

Pre-Requisites

- 1) Linux System 64-bits
- 2) LK-SCTP
- 3) Sure Speed CL-SCCP
- 4) Sure Speed M3UA
- 5) Sure Speed TCAP
- 6) Wireshark [Please use wireshark to capture packets between Client and Server entity to verify the demonstrations.]

Running the Demonstrations

1. Extract the “mapdemo.zip” file. You will find two directories with the names “originator” and “responder” in it.
2. Change to “originator” directory and open the “config.txt” file in an editor. Edit following parameters as required:
 - `SCTP.OWN.IP` :- Set this to IP address of the machine on which you shall execute the “smsorig” executable or leave it as 127.0.0.1 if you plan to run both “smsorig” and “smsresp” on the same machine.
 - `SCTP.OWN.PORT` :- Set this to SCTP Port of the machine on which you shall execute the “smsorig” executable or leave it as 10000

- `SCTP.REMOTE.IP` :- Set this to IP address of the machine on which you shall execute the “smsresp” executable or leave it as `127.0.0.1` if you plan to run both “smsorig” and “smsresp” on the same machine.
 - `SCTP.REMOTE.PORT` :- Set this to SCTP Port of the machine on which you shall execute the “smsresp” executable or leave it as `10001`
3. Change to “responder” directory and open the “config.txt” file in an editor. Edit following parameters as required:
- `SCTP.OWN.IP` :- Set this to IP address of the machine on which you shall execute the “smsresp” executable or leave it as `127.0.0.1` if you plan to run both “smsorig” and “smsresp” on the same machine.
 - `SCTP.OWN.PORT` :- Set this to SCTP Port of the machine on which you shall execute the “smsresp” executable or leave it as `10001`
 - `SCTP.REMOTE.IP` :- Set this to IP address of the machine on which you shall execute the “smsorig” executable or leave it as `127.0.0.1` if you plan to run both “smsorig” and “smsresp” on the same machine.
 - `SCTP.REMOTE.PORT` :- Set this to SCTP Port of the machine on which you shall execute the “smsorig” executable or leave it as `10000`
4. Execute the responder demo application
- ```
./smsresp ./config.txt
```
5. Execute the originator demo application
- ```
./smsorig ./config.txt
```
6. Verify the message exchange using wireshark utility.