

## OsmoMSC - Support #4122

### Moving to the smpp-config node and getting SMPP messages working

07/19/2019 02:44 PM - Osmocorn

<b>Status:</b>	New	<b>Start date:</b>	07/19/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Resolution:</b>		<b>Spec Reference:</b>	
<b>Description</b>			
Hello all,			
Recently I've been looking to try to get the SMPP functionality of the Osmocom network working. According to this page about port numbers			
<a href="https://osmocom.org/projects/cellular-infrastructure/wiki/Port_Numbers">https://osmocom.org/projects/cellular-infrastructure/wiki/Port_Numbers</a>			
the port to send packets to for SMMP is 2775. However, when I tried to do this, the connection was refused. I assumed I had to enable it in the VTY, but when I went into the MSC's VTY, the smpp-config node was not present like the manual states:			
<a href="https://ftp.osmocom.org/docs/latest/osmomsc-vty-reference.pdf">https://ftp.osmocom.org/docs/latest/osmomsc-vty-reference.pdf</a> (page 128)			
I also want to view/change the SMSC's address because this is needed to create a packet with the correct application header, as far as I know. To do that, I also need to be able to access the smpp-config node (see picture).			
Is the manual outdated with the smpp-config node being removed, or am I missing something? I'm going to keep reading up on the manuals but I figured I'd ask here to see if the manual is indeed outdated or if there's another way to access smpp-config.			
Thanks for reading.			

#### History

##### #1 - 07/19/2019 02:54 PM - Osmocorn

Correction: by smpp-config node I meant config-smpp node.

##### #2 - 07/19/2019 03:37 PM - laforge

Which package / version / build are you using? AFAIK all the binary builds we publish have SMPP enabled. If you build from source, make sure you use

```
./configure --enable-smpp
```

during the build process. This (of course) requires libsmpp34 present in your environment.

##### #3 - 07/19/2019 06:37 PM - Osmocorn

Thank you so much! It's working now! Do you know if the system-id ID command is the correct one for changing the smsc's address aka operator's phone number?

##### #4 - 07/20/2019 06:02 AM - laforge

On Fri, Jul 19, 2019 at 06:37:29PM +0000, Osmocorn [REDMINE] wrote:

```
system-id ID
command is the correct one for changing the smsc's address aka operator's phone number?
```

there is no 'operators phone number'in SMPP. The system-id configures the system ID as per the SMPP v3.4 specification. It doesn't have any other name.

#5 - 07/20/2019 09:31 AM - fixeria

[...] command is the correct one for changing the smsc's address aka operator's phone number?

If you meant SMSC's address for the MT messages, it's currently hard-coded to '447785016005' in OsmoMSC:

[https://git.osmocom.org/osmo-msc/tree/src/libmsc/gsm\\_04\\_11.c#n1160](https://git.osmocom.org/osmo-msc/tree/src/libmsc/gsm_04_11.c#n1160)

MO messages also do contain SMSC's address, but it's simply ignored in case of SMPP AFAIR.

#6 - 07/22/2019 02:07 PM - Osmocorn

Thanks to both of you. This helps a lot!

## Files

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smsc id.PNG	14.9 KB	07/19/2019	Osmocorn
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