

## Cellular Network Infrastructure - Feature #4587

### Add port numbers to /etc/services during installation

06/06/2020 09:40 AM - laforge

<b>Status:</b> New	<b>Start date:</b> 06/06/2020
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b>	
<p>I think it would be great if we'd add the /etc/services snippet from <a href="#">Port Numbers</a> to /etc/services during the installation. This enables people to do telnet localhost osm-msc or the like, without having to memorize port numbers all the time.</p> <p>It's a bit ugly as there is no /etc/services.d or the like, so we have to add/patch the services to the file.</p> <p>In order to do that reasonable, the related postinst script should (for each service)</p> <ul style="list-style-type: none"><li>• check if the entry already exists, and do nothing if it does</li><li>• append the entry to the end of the file, if no entry exists yet</li></ul> <p>We could do this in bulk from libosmocore, or we could add/remove each individual line for each program we install from the respective osmo-* package.</p> <p>The alternative would be to ship something like an 'osmo-telnet' client program that would have compile-time knowledge about the port numbers. As we already maintain a fork of libtelnet.git on osmocom.org, that may be an option...</p>	
<b>Related issues:</b>	
Related to Cellular Network Infrastructure - Feature #5013: investigate "vty...	<b>New</b> <b>02/06/2021</b>

### History

#### #1 - 06/08/2020 10:28 AM - neels

- File vty added

Related: Keith has written an expect script that connects to an osmocom telnet by name, and is also able to establish a desired logging config every time.

Attaching and pasting it. This one contains a few tweaks introduced at 36c3. We could rename to osmo-vty and install from libosmocore?

```
vty bsc
```

or

```
vty osmo-bsc
```

```
#!/usr/bin/expect -f
set vty [lindex $argv 0]
set host localhost
switch $vty {
  hlr { set port 4258 }
  bsc { set port 4242 }
  mgw { set port 4243 }
  mgw2 {
    set host 127.0.0.2
    set port 4243
  }
  sg { set port 4245 }
  msc { set port 4254 }
  sip { set port 4256 }
  gg { set port 4260 }
  ggsn { set port 4260 }
  hnbgw { set port 4261 }
  osmo-hlr { set port 4258 }
  osmo-bsc { set port 4242 }
  osmo-mgw { set port 4243 }
```

```
osmo-mgw-for-bsc { set port 4243 }
osmo-mgw-for-msc {
    set host 127.0.0.2
    set port 4243
}
osmo-sgsn { set port 4245 }
osmo-msc { set port 4254 }
osmo-sip-connector { set port 4256 }
osmo-ggsn { set port 4260 }
osmo-hnbgw { set port 4262 }
default { set port 4242 }
}
spawn telnet localhost $port
expect ">"
send "enable\r"
expect "#"
send "logging enable\r"
expect "#"
send "logging print category 1\r"
expect "#"
send "logging print category-hex 0\r"
expect "#"
send "logging print level 1\r"
expect "#"
send "logging print file basename last\r"
expect "#"
send "logging print extended-timestamp 1\r"
expect "#"
send "logging level set-all notice\r"
expect "#"
switch $vty {
    msc {
        send "logging level mm info\r"
        expect "#"
        send "logging level cc info\r"
        expect "#"
    }
}
send "logging filter all 1\r"
expect "#"
interact
```

## #2 - 02/06/2021 02:14 PM - laforge

- Related to Feature #5013: investigate "vtysh" for Osmocom added

### Files

---

vty	1.26 KB	06/08/2020	neels
-----	---------	------------	-------