

## OsmoSTP - Feature #2324

### allow to bind to a configured IP address

06/13/2017 01:43 PM - neels

<b>Status:</b>	New	<b>Start date:</b>	06/13/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Description</b>			
In particular I need the M3UA to bind to a specific IP address for operation on the osmo-gsm-tester. So far the IP address passed to osmo_ss7_xua_server_create is always NULL			

### History

#### #1 - 06/13/2017 01:48 PM - neels

Code in question is libosmo-sccp/src/osmo\_ss7\_vty.c:

```
DEFUN(cs7_xua, cs7_xua_cmd,
      "listen " XUA_VAR_STR " <0-65534>",
      "Configure/Enable xUA Listener\n"
      XUA_VAR_HELP_STR "SCTP Port number\n")
{
    struct osmo_ss7_instance *inst = vty->index;
    struct osmo_xua_server *xs;
    enum osmo_ss7_asp_protocol proto = parse_asp_proto(argv[0]);
    uint16_t port = atoi(argv[1]);

    xs = osmo_ss7_xua_server_find(inst, proto, port);
    if (!xs) {
        xs = osmo_ss7_xua_server_create(inst, proto, port, NULL);
        if (!xs)
            return CMD_SUCCESS;
    }

    vty->node = L_CS7_XUA_NODE;
    vty->index = xs;
    return CMD_SUCCESS;
}
```

It's not so trivial to add an IP address here... possibly the easiest would be to allow another vty command that is identical except an IP address added at the end, and both call one common function to effect the server start?

Also interesting to note: the local\_host=NULL is passed to osmo\_ss7\_xua\_server\_create() which directly does:

```
LOGP(DLSS7, LOGL_INFO, "Creating %s Server %s:%u\n",
      get_value_string(osmo_ss7_asp_protocol_vals, proto), local_host, local_port);
```

so this would log "(null)" as local bind address.

**#2 - 07/10/2017 06:39 PM - laforge**

- Assignee set to laforge

**#3 - 07/19/2017 04:27 PM - laforge**

- Assignee deleted (laforge)

please keep in mind that the OsmoSTP VTY interface has been specifically designed to be compatible with how Cisco ITP is configured. So whatever proposals you make to introduce the functionality you need, try to not introduce avoidable incompatibility with that.

**#4 - 08/20/2018 03:43 PM - neels**

IIUC there is

```
cs7 instance 0
  listen m3ua 2905
  local-ip 123.45.67.8
```