

## OsmoHLR - Bug #4565

### TTCN-3 testsuite: mDNS\_UDP: maximum number of open file descriptors is greater than FD\_SETSIZE

05/26/2020 07:12 AM - osmith

<b>Status:</b>	New	<b>Start date:</b>	05/26/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	fixeria	<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			

#### Description

I'm analyzing why the TTCN-3 tests for DGSM are failing now, although they have been working before the dgsm code was merged into OsmoHLR. I think we've upgraded the ttcn-3 version inbetween, maybe that is why it worked before and does not work anymore now.

The tests run into a timeout at mDNS.receive calls, such as:

```
/* [mDNS] TS-HLR <= HLR proxy: query for GSUP server who knows the IMSI */
mDNS.receive(tr_MSLookup_mDNS_query(domain)) -> value mdns_msg;
```

While executing the tests (and even while running non-dgsm tests), the testsuite prints a new message (this was not printed when I wrote and tested the tests initially):

```
07:14:22.466652 5 MSLookup_mDNS_Emulation.ttcn:23 Warning: The maximum number of open file descriptors (1048576) is greater than FD_SETSIZE (1024). Ensure that Test Ports using Install_Handler do not try to wait for events of file descriptors with values greater than FD_SETSIZE (1024). (Current caller of Install_Handler is "mDNS_UDP")
```

So for some reason, a huge number of file descriptors is allocated. This happens even if just one test is enabled.

#### History

##### #1 - 05/26/2020 07:15 AM - osmith

- Description updated

##### #2 - 05/26/2020 07:31 AM - osmith

I thought that map() in "library/MSLookup\_mDNS\_Emulation.ttcn" would get called over and over for some reason. But after adding a log message right before it, I found that it only gets called once. It seems to me that this is a regression in titan.

```
function f_main() runs on MSLookup_mDNS_Emulation_CT
{
    var MSLookup_mDNS vl_dnsmmsg;
    var ASP_UDP vl_udpmmsg;
    map(self:mDNS_UDP, system:UDP);
    ...
}
```

##### #3 - 05/30/2020 09:15 AM - osmith

- Assignee changed from osmith to fixeria

as discussed, assigning to you

##### #4 - 06/17/2020 09:28 AM - fixeria

I just noticed a similar warning in ttcn3-bsc-test, but it does not seem to affect the results.

```
06:25:36.186418 917 M3UA_Emulation.ttcn:554 Warning: The maximum number of open file descriptors (1048576) is
```

greater than FD\_SETSIZE (1024).

Ensure that Test Ports using Install\_Handler do not try to wait for events of file descriptors with values greater than FD\_SETSIZE (1024).

(Current caller of Install\_Handler is "SCTP\_PORT")