

New issue

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Registration reject message when no slices configured #1660

Closed

takgr opened this issue on Jul 14, 2022 · 4 comments

Labels

Housekeeping:ToClose

type:bug

takgr commented on Jul 14, 2022


When a UE that requests slices tries to connect and there are no slices configured, the reject message is:

5GMM cause = 0x17 (UE security capabilities mismatch)

however it should be:


5GMM cause = 0x3e (No network slices available)

Currently if a UE has connected once to a 5G core with slices configured, and the configuration is changed to no slice support, then it cannot connect again.



acetcom commented on Jul 15, 2022

@takgr Could you share the wireshark packet capture for the above situation?




takgr commented on Jul 18, 2022


[open5gs-registration-reject.zip](#)

version 2.4.8

```
◆[32m07/18 09:45:03.115◆[0m: [◆[33mgmm◆[0m] ◆[1;32mINFO◆[0m: Registration request (../src/amf/gmm-sm.c:134) ◆[32m07/18 09:45:03.115◆[0m: [◆[33mgmm◆[0m] ◆[1;32mINFO◆[0m: [suci-0-001-01-0-0-0-0000045632] SUCI (../src/amf/gmm-handler.c:162) ◆[32m07/18 09:45:03.234◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: Cannot find Requested NSSAI [2] (../src/amf/gmm-handler.c:369) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: PLMN_ID[MCC:1 MNC:1] (../src/amf/gmm-handler.c:372) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: S_NSSAI[SST:1 SD:0xa] (../src/amf/gmm-handler.c:375) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: PLMN_ID[MCC:1 MNC:1] (../src/amf/gmm-handler.c:372) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: S_NSSAI[SST:1 SD:0xb] (../src/amf/gmm-handler.c:375) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mgmm◆[0m] ◆[1;33mERROR◆[0m: [suci-0-001-01-0-0-0-0000045632] Cannot handle NAS message (../src/amf/gmm-sm.c:772) ◆[32m07/18 09:45:03.235◆[0m: [◆[33mamf◆[0m] ◆[1;36mWARNING◆[0m: [suci-0-001-01-0-0-0-0000045632] Registration reject [7] (../src/amf/nas-path.c:154) ◆[32m07/18 09:45:03.236◆[0m: [◆[33mamf◆[0m] ◆[1;32mINFO◆[0m: UE Context Release [Action:3] (../src/amf/ngap-handler.c:1405)
```



 acetcom added a commit that referenced this issue on Jul 19, 2022

 [AMF] Fixed 5GMM cause in Reject message (#1660) ...

✓ 668cc59

acetcom commented on Jul 19, 2022

@takgr

In this commit, I reviewed all 5GMM cause values for reject messages and modified AMF to send reject messages as 0x3e (no network slice available) in this situation.

Thank you so much for sharing this issues.
Sukchan



 NLab added a commit to securitylab-repository/open5gs_ciot that referenced this issue on Oct 19, 2022



Update repo to open5gs/open5gs main (#1) ...


fdfe2c9

 pobk added the `Housekeeping:ToClose` label on Feb 18

github-actions bot commented on Mar 21

This issue has been closed automatically due to lack of activity. This has been done to try and reduce the amount of noise. Please do not comment any further. The Open5GS Team may choose to re-open this issue if necessary.



 github-actions bot closed this as completed on Mar 21

Assignees

No one assigned

Labels

`Housekeeping:ToClose` `type:bug`

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

3 participants

