

## OsmoMSC - Feature #1973

### VLR: efficient subscriber lookup

03/08/2017 02:52 PM - neels

|   |                        |                    |                   |
|---|------------------------|--------------------|-------------------|
| <b>Status:</b>  | New                    | <b>Start date:</b> | 03/08/2017        |
| <b>Priority:</b>  | Normal                 | <b>Due date:</b>   |                   |
| <b>Assignee:</b>  | Osmocom CNI Developers | <b>% Done:</b>     | 0%                |
| <b>Category:</b>  |                        |                    |                   |
| <b>Target version:</b>  |                        |                    |                   |
| <b>Resolution:</b>  |                        |                    |                   |
| <b>Description</b>  |                        |                    |                   |
| In libvlr, we (will) keep every subscriber in RAM as long as it still has valid auth tuples (3GPP TS 33.102 Annex C.2.3). Most subscribers will still have auth tuples left upon detaching, so we would store <b>all</b> subscribers. Storing numerous subscribers in a linear list is inefficient, implement a hash table for faster access times. |                        |                    |                   |
| <b>Related issues:</b>  |                        |                    |                   |
| Related to OsmoMSC - Feature #1974: VLR: high water mark on subscriber storage  |                        | <b>New</b>         | <b>03/08/2017</b> |

### History

#### #1 - 03/13/2017 12:18 AM - neels

- Related to Feature #1974: VLR: high water mark on subscriber storage added

#### #2 - 03/13/2017 02:14 PM - neels

- Subject changed from VLR: efficient subscriber storage to VLR: efficient subscriber lookup

#### #3 - 12/10/2017 07:59 PM - laforge

- Project changed from OpenBSC to OsmoMSC