# OsmoHNBGW - Feature #5647

## cfg: separate PFCP Node ID from PFCP local address

08/17/2022 03:27 PM - neels

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date:</th>
<th>08/17/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spec Reference:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Description

The PFCP protocol features a Node ID, which can be used to uniquely identify PFCP endpoints across different interfaces. The Node ID can be a fully-qualified domain name (FQDN), or IP address. Currently, osmo-hnbw only has no support for using an FQDN as Node ID, and requires the 'local-addr' to be configured, which it uses as Node ID.

Instead, we should separate the concepts of which local interface to use from the Node ID sent in-band. `pfcp_endpoint.h` already has separate fields in `osmo_pfcp_endpoint_cfg` for `local_addr` and `local_node_id`, but osmo-hnbw only features a `pfcp / local-addr config` option.

osmo-hnbw is the first PFCP CPF implementation. Since other CPF may be added in the future, it would make sense to implement the PFCP endpoint configuration bits into `libosmo-pfcp`, including a FQDN node id set separately from the local-addr, and then use that in osmo-hnbw.

(Similar to how osmo-msc, osmo-bsc and osmo-hnbw use `mgcp_client_vty_init()` from libosmo-mgcp-client.)

### Related issues:

Related to `libosmo-pfcp - Feature #5648: implement common PFCP CPF client VTY...`  

New 08/17/2022

### History

**#1 - 08/17/2022 03:29 PM - neels**

- Related to Feature #5648: implement common PFCP CPF client VTY config added

**#2 - 08/17/2022 03:38 PM - neels**

- Checklist item [] implement common CPF client VTY config, #5648 added
  
  Checklist item [] use CPF client VTY config in osmo-hnbw added
  
  Checklist item [] update doc/manual/chapters/running.adoc added