OSM Hackfest – Recap
Gerardo García (Telefónica)
A very loaded agenda, but we managed to cover the objectives

<table>
<thead>
<tr>
<th>1st OSM Hackfest</th>
<th>MONDAY 15th January</th>
<th>TUESDAY 16th January</th>
<th>WEDNESDAY 17th January</th>
<th>THURSDAY 18th January</th>
<th>FRIDAY 19th January</th>
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<tbody>
<tr>
<td>09:00 - 10:30</td>
<td>Session 1</td>
<td>Session 3</td>
<td>Session 4</td>
<td>TO BE DEFINED</td>
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<td>10:30 - 11:00</td>
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<td>11:00 - 12:00</td>
<td>COFFEE BREAK</td>
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<td>12:00 - 13:00</td>
<td>Session 1 (Cont)</td>
<td>Session 3 (Cont)</td>
<td>Session 4 (Cont)</td>
<td>TO BE DEFINED</td>
<td>Closing Session (Recap)</td>
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<tr>
<td>13:00 - 14:00</td>
<td>REGISTRATION</td>
<td>LUNCH BREAK</td>
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<td>14:00 - 16:00</td>
<td>OSM 101 (introduction)</td>
<td>Session 2</td>
<td>Session 5</td>
<td>Session 5 (Cont)</td>
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<td>16:00 - 16:30</td>
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<td>COFFEE BREAK</td>
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<td>16:30 - 17:30</td>
<td>OSM 101 (installation and first use)</td>
<td>Session 2 (Cont)</td>
<td>Session 5 (Cont)</td>
<td>Session 5 (Cont)</td>
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<td>17:30 - 18:30</td>
<td>Troubleshooting OSM issues from Plugtests</td>
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<td>18:30 - ...</td>
<td>Social Event (Nice)</td>
<td>Buses leave @18:30</td>
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What we accomplished (1/3)

- Installed OSM
  - Configured LXD
  - Installed OSM
  - Updated RO
  - Updated NAT rules for local access to the UI
  - Configured env variables for OSM client

- Configured VIM accounts
  - Added VIM accounts with OSM client
    - Used config dictionary for some specific options
  - Added SDN controller from the RO
  - Updated VIM account from the RO to use external SDN controller
    - Added port mapping to a specific VIM from the RO
What we accomplished (2/3)

• Deployed several VNFs and NSs:
  • Session 1. Basic VNF (single VDU) and basic NS (single VNF)
  • Session 2. Two-VDU VNF and two-VNF NS
  • Session 3. Added day-0 configuration via cloud-init to VNF
  • Session 4. Added EPA capabilities to VNF
  • Session 5. Added day-1/day-2 configuration to VNF by making use of charms

• Created and built a charm
  • layers.yaml, metadata.yaml, actions.yaml
  • Implemented an action (‘touch’)

• Learned how to map charm actions to VNF primitives in the VNF descriptor

• Learned the way to allow proper identification of interfaces through a metadata server
What we accomplished (3/3)

- Got familiar with Graphical User Interface
  - Catalog, VNF and NS composer, dashboard
  - Onboarded packages
  - Instantiated NS
  - Checked records to get info like IP address

- Got familiar with command-line client (‘osm’)

- Learned how to generate a VNF package from a terminal
OSM Hackfest relevant links

- Hackfest wiki page:
  - https://osm.etsi.org/wikipub/index.php/1st_OSM_Hackfest

- Minutes have been captured here:
  - https://pad.etsi.org/p/OSM_Hackfest_2018

- Packages, images and other material:
  - https://osm-download.etsi.org/ftp/osm-3.0-three/1st-hackfest/
Reminder on OSM relevant links (1/2)

- **Main page:**

- **Information Model:**

- **Creating your own VNF package:**

- **EPA and SDN assist**
Reminder on OSM relevant links (2/2)

• Adding VIM accounts:
  • Openvim:  
  • Openstack:  
  • VMWare vCloud Director:  
  • Amazon Web Services:  