Welcome!

Wajeeha Hamid - OSM MARCOM Chair
Mark Beierl - OSM TSC member

Dec 1, 2021 - OSM#12
Welcome to the OSM#12 Ecosystem Day!

Logistics:
- Please enter your name in G2M
- Use a headset
- Mute yourself during the presentations
  - Unmute for questions
  - Or type them in the chat
- Slides are available in the wiki: https://osm.etsi.org/wikipub/index.php/OSM12_Ecosystem_Day
- Talks are being recorded and will be posted on YouTube
- Follow us and share your thoughts on social media: @OpenSourceMANO #OSMecosystemDay
Agenda for today!!

- 2:00-2:25 pm CET Welcome to the OSM#12 Ecosystem Day & Release ELEVEN pre-view by OSM MARCOM
- 2:25-2:50 pm CET Demonstration of P4-Based In-Band Telemetry for OSM-Orchestrated 4G/5G Testbeds by SimulaMET (Simula Metropolitan Centre for Digital Engineering)
- 2:50-3:15 pm CET Demonstration of MEC Applications deployment with OSM by Whitestack & University of Bologna
- 3:15-3:40 pm CET Demonstration of debugging mode for Charmed OSM by Canonical
- 3:40-3:45 pm CET Group Picture!
- 3:45-4:10 pm CET Coffee Break
- 4:10-4:35 pm CET Marketplace-driven 5G network slices among multiple operators by 5GZORRO
- 4:35-5:00 pm CET TEOSM - An Overview by Tata Elxsi
- 5:00-5:25 pm CET Demonstration of PaaS-driven Interoperation between OSM and Kubernetes-based Edge Platforms by Intracom Telecom
- 5:25-5:30 pm CET OSM#12 Ecosystem Day Wrap-up by OSM MARCOM
OSM Release ELEVEN preview

**SOL004 and SOL007 package formats**

**Brand-new support for Google Cloud**
- Completing the infrastructure support for 3 largest public clouds

**Better coordination across PNFs, VNFs, and CNFs**
- Enhanced data exchange between NFs in the NS.

**CNF monitoring from Kubernetes metrics**
- Metrics collection from K8s clusters in centralized Grafana dashboard.

**Fine-grained operations in CNFs**
- Start and stop services
- Run one-shot commands
- Files API

**Enhanced installation process**
- Support of Ubuntu 20.04 and better tracking of the installation process.

... and other improvements in usability and stability derived from the learnings of latest OSM production deployments
VIM plugin for Google Cloud

### NS Instances

<table>
<thead>
<tr>
<th>Name</th>
<th>Identifier</th>
<th>Nsd name</th>
<th>Operational Status</th>
<th>Config Status</th>
<th>Detailed Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>pcf-dbtier-gcp1</td>
<td>236b902b-bc971-48d2-9e5d-896136705da5</td>
<td>cndbtier_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-dbtier-openstack1</td>
<td>4f855361-8564-4bcd-9a28-6f7f2de14645</td>
<td>cndbtier_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-elasticsearch-gcp1</td>
<td>6b30000c-63c8-4a48-8d24-6531a31d2f8e</td>
<td>elasticsearch_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-elasticsearch-openstack1</td>
<td>de4122a-d577-46b7-b3a7-32e73939f49</td>
<td>elasticsearch_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-elastictools-gcp1</td>
<td>5b7d15a-dc53-476b-8f7d-6f4d2dbb4dce</td>
<td>elastictools_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-elastictools-openstack1</td>
<td>5f6b3e-6b6b-bf88-4a0e-49ba0eb122bd</td>
<td>elastictools_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-opcpcf-gcp1</td>
<td>e0e08e-77f1-469a-a3de-69955643f89</td>
<td>opcpcf_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-prometheus-gcp1</td>
<td>88f7403b-6605-4e05-920d-a2c232f7e4b4</td>
<td>prometheus_suite_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
<tr>
<td>pcf-prometheus-openstack1</td>
<td>e2b49f55-f597-4980-8996-ffed5d79f771</td>
<td>prometheus_suite_ns</td>
<td>✔</td>
<td>✔</td>
<td>Done</td>
</tr>
</tbody>
</table>
Bonus: Google Cloud as K8s Cluster
Fine-grained operations in CNFs
Integration across PNF, VNF, and CNFs
CNF Monitoring of Kubernetes
Thank you

Questions?