NFV&MEC PLUGTESTS 2020 Kick-off call

#NFVplugtests  #MECplugtests

ETSI Plugtests Team
Sophia Antipolis, 10th Feb 2020
Plugtests Team

ETSI Team

CTI Technical Experts:

✔ Silvia Almagia, silvia.almagia@etsi.org
✔ Michele Carignani, michele.carignani@etsi.org

Event coordinators, logistics:

✔ Therese Christoffersen Therese.Christoffersen@etsi.org

IT, HIVE:

✔ Jean-Luc Freisse, Jean-Luc.Freisse@etsi.org

+ Technical support team under construction
Registration update

Participants and observers:

- Benu Networks
- EdgeGap
- Canonical
- Ericsson
- Cisco
- Fortinet
- Deutsche Telekom
- Huawei
- EANTC
- Keysight Technologies
- Nextworks
- Palo Alto Networks
- Red Hat
- RIFT
- STC
- Telenity
- Ubiquube
- University of Patras
- Whitestack
- Wind River

Supporting Open Source Communities:

- Open Source MANO
- OPNFV
- openstack
- FOG

Register at https://www.etsi.org/nfvmecplugtests
NFV & MEC Plugtests Scope

- NFV Interop
- NFV Interop – Cloud Native Track
- NFV Automated Interop
- NFV API Conformance
- MEC & MEC-in-NFV Interop
- MEC API Conformance

MEC will be discussed in depth on next open call, Feb 24th
Scope 1 – Interop testing

- Based on NFV- TST007 Guidelines for NFV Interoperability Testing v2.6.1
- Several configurations
Scope 2 – Interop testing – Cloud Native track

- Based on NFV-TST007 Guidelines for NFV Interoperability Testing v2.6.1
- Start with simpler configurations
Scope 3 – Automated Interop Testing

- New experimental Robot Framework Test Suite
- Based on NFV- SOL016 MANO Stage 3 Procedures (WIP)
  - VNF package on-boarding
  - NS instantiation
  - NS termination
  - NS scale VNF
  - NS update (external VNF connectivity)
- Triggers and final checks based on SOL005
  - Additional checks (SOL002, SOL003) TBD
Scope 4 – NFV API Conformance Testing

- Individual Test Sessions (self-service) => Participants operate their FUT and the Test System

- Test Plan:
  - NFV TST010 – NFV API Conformance Specs
  - Robot Framework Test Suites
  - Targeting several SOL versions (2.4.1, 2.6.1, 3.3.1)

- Plugtests Team makes available on-line
  - the Test System: NFV API Client & notification end point
  - the Test Environment: NFVI and VIM.

- Participants provide:
  - the FUT: NFV SOL002/SOL003/SOL005/SOL009/SOL011... API Server
  - the Test Environment (optionally)

- An API testing briefing will be scheduled during the preparation phase
Scope 5 – MEC Interop Testing

- Multi vendor Test Sessions (self-service)
- Test for both MEC-in-NFV and MEC Standalone solutions
- Test Plan:
  - MEC Application Lifecycle
  - Traffic rules management and enforcement
  - MEC Services and MEC APIs
- Building on Test Plan MEC IOP V1.0.0 from the 4th NFV Plugtests (2019)
Scope 6 – MEC API Conformance Testing

- Individual Test Sessions (self-service) => Participants operate their FUT and the Test System

- Test Plan:
  - MEC DEC 032 – MEC API Conformance Specs
  - Robot Framework Test Suites

- Plugtests Team makes available on-line
  - the Test System: MEC API Client & notification end point

- Participants provide:
  - the FUT: MEC 011, 012, 013, … API Server
  - the Test Environment

- A MEC API testing briefing will be scheduled during the preparation phase
NFV&MEC Plugtests 2020 - Timeline

Registration

Register at https://www.etsi.org/nfvmecplugtests

Remote Integration & Pre-testing

Remote Test Sessions

On-site Interop & API Test Sessions
ETSI Sophia Antipolis

Plugtests Report

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Registration

✓ At [https://www.etsi.org/nfvmecplugtests](https://www.etsi.org/nfvmecplugtests)
  - Min 1 person on-site (ETSI, Sophia Antipolis) 15-19 June – 2 or more recommended
  - Only people that will be on-site need to register

✓ Only Operators and Academia can register as observers
  - Vendors are expected to provide components or tools for the Test Sessions and have an active participation

✓ Once registered
  - You will receive a QR code
    - You will need it for on-site check-in
  - The NFV Plugtests Programme NDA needs to be signed
    - Same as for previous events, no need to re-sign
  - The team gets access to the [NFV-PLUGETSTS Wiki](https://www.etsi.org/nfvmecplugtests), Slack and subscribed to the NFV_Plugtests Mailing list
    - As many people in remote support as needed => just ask to [Plugtests@etsi.org](mailto:Plugtests@etsi.org)
Remote integration

✓ Regular calls, Mondays 3-4 pm CET
  • February 10\textsuperscript{th} – Kick-off
  • February 24\textsuperscript{th} – Deep dive on MEC
  • March 16\textsuperscript{th}
  • April 6\textsuperscript{th}
  • April 20\textsuperscript{th}
  • May 4\textsuperscript{th}
  • May 11\textsuperscript{th}
  • May 18\textsuperscript{th}
  • May 25\textsuperscript{th}
  • June 8\textsuperscript{th}

✓ Main goals
  ✓ Get your implementation / lab connected to HIVE
     ✓ Hub for Interoperability and Validation at ETSI, instructions in the WIKI
     ✓ It is also possible to ship equipment to ETSI
  ✓ Get familiar with test specifications and ask questions
  ✓ Get your Function Under Test documented on the wiki

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Remote (Pre-)Testing

✔ Regular calls, Mondays 3-4 pm CET
  • February 10th – Kick-off
  • February 24th – Deep dive on MEC
  • March 16th
  • April 6th
  • April 20th
  • May 4th
  • May 11th
  • May 18th
  • May 25th
  • June 8th

✔ Main goals
  ✔ Start (pre-)testing with 3rd parties remotely
  ✔ Prepare, validate and share descriptors, packages ...
  ✔ Start running conformance tests remotely

✔ Start as soon as remote integration completed => be proactive!
  ✔ Contact 3rd parties on Slack, book pre-testing session, and ask questions!!
On-site testing @ ETSI 15-19 June 2020

NFV&MEC Plugtests 2020

Venue & Travel

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>08:30</td>
<td>SETUP</td>
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<td>TEST SESSIONS</td>
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<td>09:30</td>
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<tr>
<td>10:30</td>
<td>11:00</td>
<td>WELCOME</td>
<td>COFFEE BREAK</td>
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<tr>
<td>11:00</td>
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<td>TEST SESSIONS</td>
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<tr>
<td>13:00</td>
<td>14:00</td>
<td>LUNCH BREAK</td>
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<td>14:00</td>
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<td>TEST SESSIONS</td>
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<tr>
<td>16:00</td>
<td>16:30</td>
<td>COFFEE BREAK</td>
<td>WRAP UP &amp; TEAR DOWN</td>
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<td>TEST SESSIONS</td>
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<td>18:30</td>
<td>19:00</td>
<td>WRAP UP</td>
<td>Networking dinner boxes leave @ 18:30</td>
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# Test Session Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Schedule</th>
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<tbody>
<tr>
<td>18:00</td>
<td><strong>60 SETUP</strong></td>
</tr>
<tr>
<td>19:30</td>
<td><strong>60 WELCOME</strong></td>
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<tr>
<td>19:30</td>
<td><strong>30 COFFEE BREAK</strong></td>
</tr>
<tr>
<td>21:00</td>
<td><strong>60 LUNCH BREAK</strong></td>
</tr>
<tr>
<td>14:30</td>
<td><strong>30 COFFEE BREAK</strong></td>
</tr>
<tr>
<td>16:30</td>
<td><strong>30 WRAP UP</strong></td>
</tr>
</tbody>
</table>
Test Session Reports

- trt.plugtests.net
- Instructions in the WIKI
Guidelines for Comms

You are invited to communicate on your participation to Plugtests:

- PRs, blog posts, social media...
- Note: If you are to mention other participants, please make sure they are OK with it
- The event is being photographed and video recorded only for ETSI use and related promotional purposes. By attending our event, you are hereby made aware that you may be photographed and/or video recorded and that your consent is presumed.

Some guidelines when communicating on Plugtests Results:

- Please wait for the Plugtests Report to be published before communicating on Plugtests Results
- You can communicate on your own company's (/project) results
- Do not mention other companies results if you do not have a written agreement with them
- Do not compare to other participants, i.e: "we are the first", “the only ones”, etc....

ETSI acknowledges participation, but does not endorse or certify companies, products or results

- In case of doubt, check the RoE and NDA, or ask ETSI

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Questions?
Thank you ☺

plugtests@etsi.org