NFV Plugtests Programme

NFV&MEC API Plugtests 2021 - Kick-off call

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16th Nov 2020
• Remote NFV&MEC API Plugtests 2021
  • 1-28 February 2021
  • Fully remote event #TestFromHome
  • Individual NFV & MEC API Conformance test sessions
  • Registration OPEN, deadline December 15th!
  • https://www.etsi.org/events/1840-nfv-mec-remote-api-plugtests-2021

• NFV&MEC IOP Plugtests 2021
  • 4-8 October 2021
  • ETSI, Sophia Antipolis, France (if possible)
    • Fallback to remote (and extension to 2 weeks) if needed
  • Multi-vendor NFV & MEC interoperability test sessions

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NFV&MEC Plugtests – 2021 Timeline

1 – 28 February 2021
NFV&MEC API Plugtests 2021

Registration
Remote Integration & Pre-Testing

Individual self-service Remote API Test Sessions

Plugtests Report

Registration
Remote Integration & Pre-Testing

On-site (if possible) Interop Test Sessions
ETSI Sophia Antipolis

Remote API Test Sessions

Register for the NFV&MEC API Plugtests 2021 (Remote)

Regular conf-calls

4 - 8 Oct 2021
NFV&MEC IOP Plugtests 2021

Registration
Remote Integration & Pre-Testing

Remote API Test Sessions

Register for the NFV&MEC IOP Plugtests 2021 (F2F if possible)

Regular conf-calls

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NFV&MEC API Plugtests 2021 Scope

- Fully **remote** event focusing on NFV&MEC API Conformance Testing
- Individual **self-service** sessions: any time, any where
  - Participants provide FUT with API server Under Test
  - ETSI provides Test System HIVE TAP – Test Automation Platform
    - Online portal
    - API Client & Notification End Point
    - Support team available if needed
  - Other participants (can) provide the Test Environment
    - NFVI & VIM
- Goals:
  - Participants self-evaluate the Conformance of their NFV & MEC APIs implementation
  - ETSI validates and improve Test Specifications and associated Robot Framework
- Individual results remain private to participants:
  - Overall aggregated data will be compiled and analysed in Plugtests Report
Specifications in Scope

• Test Specifications
  • NFV-TST010 v2.4.1, v2.6.1, v2.7.1
  • MEC-DEC032 v1.1.1, v2.1.1

• Robot Framework
  • NFV: https://forge.etsi.org/rep/nfv/api-tests
  • MEC: https://forge.etsi.org/rep/mec/gs032p3-robot-test-suite

• Base Specifications
  • NFV-SOL002, NFV-SOL003, NFV-SOL005 v2.4.1, v2.6.1, v2.7.1
  • MEC010-2, MEC011, MEC012, MEC013, MEC021, MEC029 v2.1.1
  • MEC014, MEC015, MEC016 v1.1.1
Connecting FUTs and Test Environments to HIVE

- Participants can use own or 3rd party Test Environments (HW, NFV&VIM)
- HIVE TAP access requires HIVE connectivity.
- Test Environments need to be connected to HIVE with site-to-site VPN
- Participants using 3rd party Test Environment can connect to HIVE with client-to-site VPN (max 3 per company)
- Once connected, participants can run as many sessions for as many APIs as wished.
HIVE TAP

✔️ A platform to configure and execute tests in an automated way
✔️ Collaborate in and share test sessions
✔️ Capture and collect test results statistics
✔️ Integrates the Test suites from NFV and MEC test specifications
✔️ Each participating team will be provided with credentials (shared among the team members)
✔️ Need help? Write on Slack or review the wiki page.
Who should join?

- VNFs, CNFs and EMs implementing NFV-SOL002 APIs
- VNFM implementing NFV-SOL002 or SOL003 APIs
- NFV0s implementing NFV-SOL003 or NFV-SOL005 APIs
- MEC Platforms, Platform Managers and Orchestrators (MEO, MEA, MEPM, MEPM-V) implementing MEC010-2, MEC011 or MEC016 APIs
- MEC Services providers implementing MEC012, MEC013, MEC014, MEC015, MEC021 or MEC029 APIs

But also:

- HW, NFVI&VIMs offering the Test Environment.
- Test Tools and Simulators implementing NFV or MEC APIs
- Operators and academia are invited to join as observers.
How to join & next steps

• **Register** before Dec 15\textsuperscript{th} at [https://www.etsi.org/events/1840-nfv-mec-remote-api-plugtests-2021](https://www.etsi.org/events/1840-nfv-mec-remote-api-plugtests-2021)
  
  • Let us know how you want to participate (API, Test Environment ...)
  
  • Sign **NFV Plugtests Programme NDA** (for new participating companies only)
  
  • Get/check **mailing list** subscription and **wiki** access: [https://wiki.plugtests.net/NFV-PLUGTESTS](https://wiki.plugtests.net/NFV-PLUGTESTS)
  
  • Connect to **NFVPLU Slack#**
  
  • To add members to your team : just ask them to register
  
  • (Re-)connect to **HIVE**
    
  
  • Provide **ICS – Implementation Conformance Statement** (coming soon)
    
    • To declare supported APIs and help us scope / prioritize the testing
  
  • **Review the test specifications and test cases** (you may want to execute a few of them locally)
Next steps

- Become familiar with the **API Specifications**:
  - MEC: [https://forge.etsi.org/rep/mec](https://forge.etsi.org/rep/mec)
- Pre-test with **Robot Test Suites**:
  - NFV: [https://forge.etsi.org/rep/nfv/api-tests](https://forge.etsi.org/rep/nfv/api-tests)
- **Ask** questions on the **NFVPLU Slack#**
- Regular **conf-calls** to prepare for and sync during the Plugtests
  - 16\(^{th}\) Nov 2020 – Open Kick-off call
  - 14\(^{th}\) Dec 2020
  - 11\(^{th}\) Jan 2021
  - 18\(^{th}\) Jan 2021
  - 25\(^{th}\) Jan 2021
  - 1\(^{st}\) Feb 2021
  - 8\(^{th}\) Feb 2021
  - 15\(^{th}\) Feb 2021
  - 22\(^{nd}\) Feb 2021
  - 1\(^{st}\) Mar 2021 – Final Wrap-up call
Your time!
Thank you!

www.etsi.org/nfvPlugtestsProgramme
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