

2ND NFV PLUGTESTS KICK-OFF

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2nd October 2017

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NFV PLUGTESTS TEAM

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2ND NFV PLUGTESTS



I5-19 January 2018, ETSI, Sophia Antipolis, FRANCE

- Registration is <u>OPEN</u> (until 18th October 2017)
- Participation free and open to any organisation bringing an implementation to test or to support the testing
- Remote integration & pre-testing from October 2017
- ETSI OSM, Open Baton, OpenStack and OPNFV confirmed as supporting open source communities
 - Initial discussions with ONAP
- Solocated with 1st ETSI OSM Hackfest

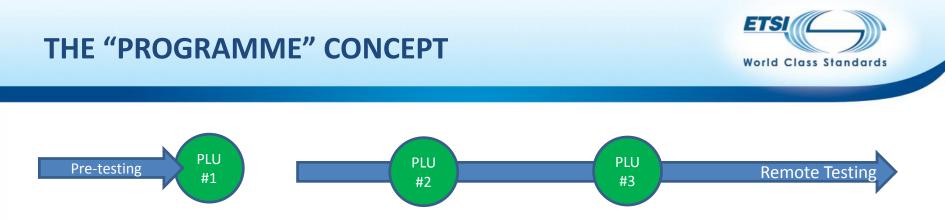


SCOPE



- Coordinated multi-party interoperability Test Sessions
 - VNFs, MANO, VIM, NFVI.. as many combinations as possible
- Building on the learnings of the <u>1st NFV Plugtests</u>
 - NS & VNF on-boarding, instantiation, scaling, update, termination
- Sonsidering new aspects, such as:
 - fault and performance management, network path, multi-site, enhanced platform awareness,..
 - a parallel track for NFV APIs validation
- Sinal scope and test plan will be shaped with input from:
 - participants (you!)
 - supporting open source communities,
 - ETSI NFV

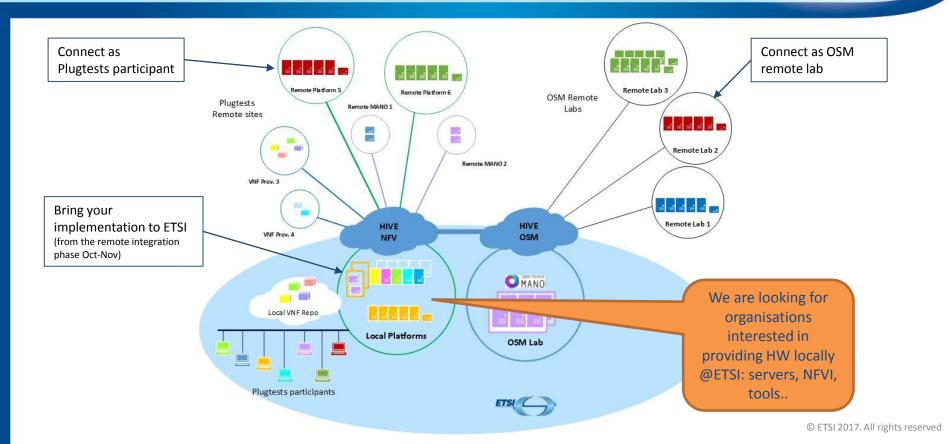




- Continuous program to support future Plugtests events and NFV Testing activities
- Ø Rationalise Plugtests preparation & participation overhead
 - Technical: Connect to Plugtests HIVE once, keep it up in between Plugtests
 - Admin: Sign 1 NDA once, then just register to specific Plugtests events
- Many practical Benefits:
 - Permanent access to testing partners
 - Allow for remote testing any time (before & after Plugtests events)
 - Allow for other types of testing (PoCs, experimentation, validation)
 - Allow for local infrastructure & tools hosting @ETSI

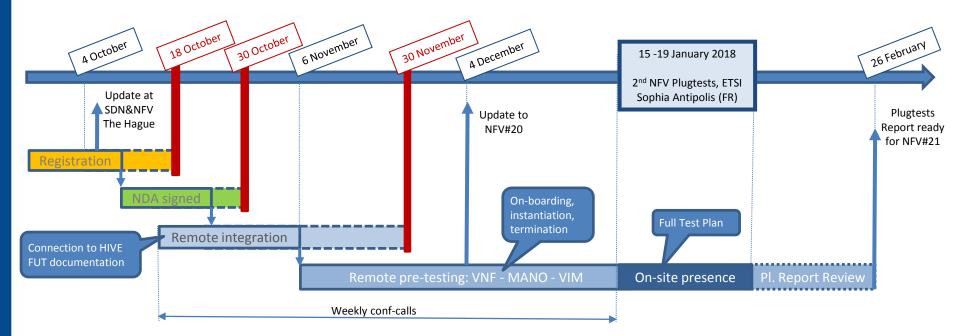
HIVE – SEVERAL OPTIONS





PARTICIPATION TIMELINE





- Registration at <u>http://www.etsi.org/nfvplugtests2</u> before 4th / 18th October
- In NDA sent to participants upon registration
- Access to Plugtests resources is provided as soon as NDA signed, and remote integration can start

PARTICIPATION TIMELINE



4th October

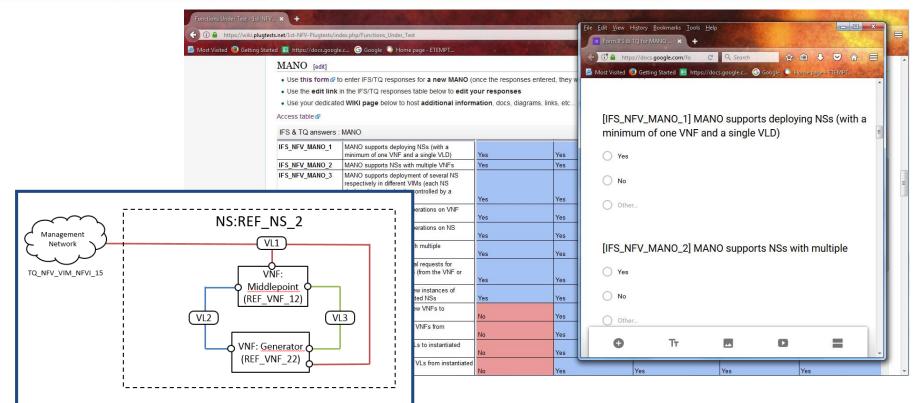
- Registration deadline to be mentioned as Plugtests participants at <u>SDN NFV world congress</u> The Hague (9th October)
- NFV-PLUGTESTS mailing list purge
- I6th October
 - Remote integration starts (requires NDA signed): connection to HIVE, local deployment, FUT documentation, descriptors, ...
 - Start of weekly conf-calls

18th October

- Registration closes
- 30th October
 - Deadline for NDA signature
- 6th November
 - Remote pre-testing starts among connected/available VNFs, MANOs, VIMs (on-boarding, instantiation, termination ..)
- 30th November
 - Deadline for remote integration / local deployment : all participants connected to HIVE (remotely or locally from ETSI)
- I5 -19 January
 - On-site presence (min 1 engineer/ FUT)
- 26th February
 - 2nd NFV Plugtests Report release

REMOTE INTEGRATION: FUT DOCUMENTATION





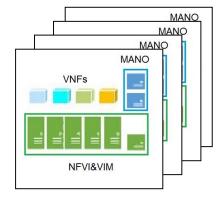
REMOTE INTEGRATION: REQUEST HIVE CONNECTION



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					Dashboa	
Company	ID	Status	GRE	Subnet or IP	Ping test	📓 Most Visited 🕥 Getting Started 🔳 https://docs.google.c 🌀 Google 🔪 Home page - ETEMPT
Mahindra Comviva	22	×		8	172.21.132.1	
EANTC AG	23	×	v	8	172.21.133.1	HIVE
Netrounds	24	×	V	8	172.21.134.1	Hub for Interoperability and Validation at ETSI Site-to-Site remote access
Fraunhofer FOKUS	25	Ж	v	8	172.21.135.1	
Adva	26	×		8	172.21.136.5	VPN Request
Sandvine	27	×	v	8	172.21.137.1	Business Information
Sonus Networks	28	×	\checkmark	8	172.21.138.222	2 Event*: 10 - NFV •
HPE	29	ж	v	8	172.21.139.1	Contacts
Keynetic Technologies	30	×	V	8	172.21.140.106	
Ericsson	35	ж	v		172.21.145.1	Password*: Confirm Password*: Warning: This password will be shared by the three contacts listed below.
Fortinet	36	0	V	8	172.21.146.1	First name Last name Email Phone
A10Networks	37	×	v		172.21.147.1	Requestor*: IT Contact*:
Palo Alto Networks	38	×		6	172.21.148.1	Other Contact:

REMOTE PRE-TESTING





- Connectivity, credentials
- Images, descriptors
- Basic testing:
 - On-boarding
 - Instantiation
 - Termination

Sanity-check different (as many as possible) combinations of MANO – VIM -VNF



VNF to MANO MANO to VIM/NFVI VNF to VIM/NFVI

ONSITE - DAILY TEST SESSIONS





Several Parallel Test Sessions



Evening wrap-up meetings



TEST SESSION REPORTS



Comment

VNF required

networking configuration (bump-

in-wive MMP)

			23		ETSI	Test Reporting Tool	World Class Standard		_
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2047	a)	Freestyl	Setup & In	stantiation	1				0
2048	्रो	2017-01	Scale						_
						TD_NFV_SETUP_ONBOA	RD_NSD_001	To onboard a NSD	OK NO
2049	4	2017-01	Scale VNF						0.0
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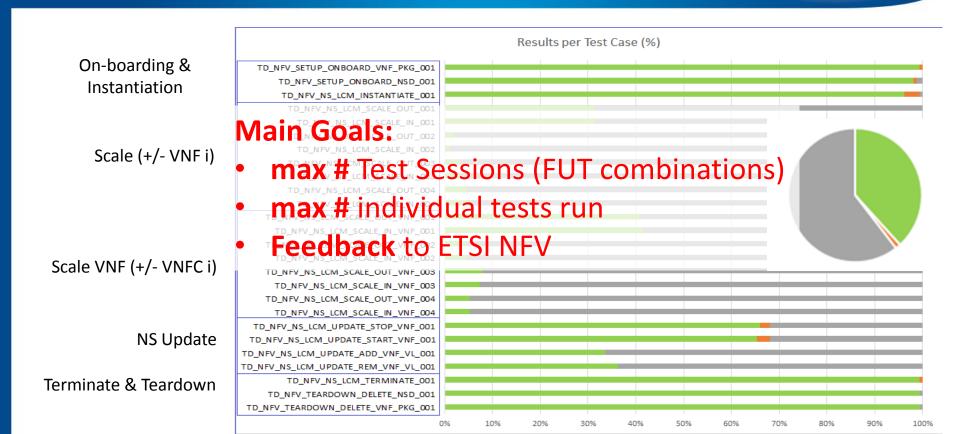
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OVERALL RESULTS (AGGREGATED DATA)





SOME REMINDERS



- ETSI does not certify or endorse companies or products participating to Plugtests
 - We provide the framework, the means, the methodology, the procedures, the test plan...
 - Actual testing is run collaboratively by participants
- NFV Plugtests are a tool to validate ETSI NFV work and gather consolidated feedback from implementers
- The <u>1st NFV Plugtests Test Plan</u> was contributed to ETSI NFV-TST007 (about to be published)
- Recommended reading for new Plugtests participants:
 - <u>1st NFV Plugtests Report</u>

ETSI Plugtests Report	V1.0.0 (2017
	1st ETSI NFV Plug Madrid, S 23rd January – 3rd Febr
	TM
PLUGTE	

QUESTIONS?





CONTACT DETAILS



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Thank you!