Introduction to ETSI OSG TeraFlowSDN

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OSM#13 Ecosystem Day
Agenda

- From H2020 TeraFlow to ETSI OSG TeraFlowSDN
- ETSI OSG TeraFlowSDN
- Relationship between OSM and TeraFlowSDN
From H2020 TeraFlow to ETSI OSG TeraFlowSDN
TeraFlow H2020

H2020 Phase 3 Research and Innovation Action

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From H2020 TeraFlow to ETSI OSG TeraFlowSDN

TeraFlow H2020 project started in 1/1/21
We had the first code release in 17/2/22

https://gitlab.com/teraflow-h2020/controller

More contributions from other companies are expected ➔ Need to open project to community

ETSI accepted the creation of a new OSG
ETSI TeraFlowSDN

Cloud-native

Open-source

Compliant with European Cyber-security requirements

Focus on operator use cases

Global community

Community-driven

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ETSI OSG TeraFlowSDN

- Provide a toolbox for rapid prototyping and experimentation with innovative network technologies and use cases.

- TeraFlowSDN aims to ease the adoption of SDN by telco operators.

- We want to bring innovation to the ecosystem and contribute to network programmability for current 5G and beyond deployments.

- TeraFlowSDN will ease proof-of-concept demonstration for many ETSI ISGs to demonstrate the proposed standard solutions faster.

- The founding members of the group, Atos (Bull), CTTC, NEC Europe, Telefonica SA, Telenor ASA, and SIAE Microelettronica SpA, have since been joined by Globe Telecom, Instituto de Telecomunicacoes, NTNU, Old Dog Consulting, Peer Stritzinger, and Ubitech.
Relationship between OSM and TeraFlowSDN
Relationship between OSM and TeraFlowSDN

• TeraFlowSDN will be able to integrate with current Network Function Virtualization (NFV) and Multi-access Edge Computing (MEC) frameworks and interoperate with ETSI OSM (OpenSource MANO).
OSM-TFS integration is already on its way!

https://www.youtube.com/watch?v=tt2ym6Hz6zg
Possible synergies OSM-TFS

• Extensions to OSM – WIM interface
  • Expected release

• Analysis of joint compute-network resource allocation through PLA component
Next events

• Virtual Kick-off Meeting, 20 June 2022
• 1st TFS Hackfest @Network X, Amsterdam
  • Collocated with OSM Hackfest
How to join

- Participation is open to ETSI members, non members and individuals
  - TFS Member Agreement
  - TFS Participant Agreement
  - Contact TFSsupport@etsi.org
Learn more!

Website: tfs.etsi.org
Contact: TFSsupport@etsi.org
Join: TFS Slack
Subscribe: TFS_INFO
Twitter: @TeraFlowSDN
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Press Release: ETSI Launches new Open Source Group TeraFlowSDN
Thank you!

TFSsupport@etsi.org