Welcome & Logistics

Silvia Almagia, ETSI

1st TFS Hackfest @NetworkX, Amsterdam

20/10/2022

Welcome to the 1ˢᵗ TFS Hackfest!

- ⦿ **ETSI TFS:** TeraFlowSDN is a brand-new ETSI hosted Open-Source Community
  - ⦿ Created in May 2022, building on the outcomes of EU H2020 project TeraFlow
  - ⦿ Developing a cloud native smart SDN controller
  - ⦿ In support of a large set of use cases defined by different ETSI groups (NFV, MEC, mWT, ENI, SAI, PDL, OSM…)
- ⦿ 1 day Hackfest
  - ⦿ TeraFlowSDN 101 & hands on
  - ⦿ Featuring TeraFlowSDN (pre-)release 2
 - ⦿ Lead by key TFS community members

TFS HACKFEST 1

Overview

ETSI's Centre for Testing and Interoperability and the TeraFlowSDN community are organizing the first **TFS Hackfest** on **20 October 2022**. The event will be held during the **Network X** event in Amsterdam, Netherlands, following the ETSI OSM MR#13 Hackfest on 18-19 October 2022.

Participation in ETSI Hackfests is free and open to all upon registration. **Registration to the TFS Hackfest#1** grants a free NetworkX expo access.
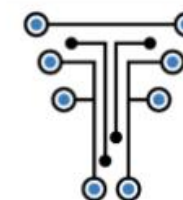
TeraFlow SDN Hackfest
Amsterdam, 20 October 2022

REGISTER

ETSI TFS Hackfest Team

Lluis Gifre, CTTC
TFS TSC Chair

Ricard Vilalta, CTTC
TFS Chair

Georgios Katsikas, Ubitech
TFS TSC Member

Silvia Almagia, ETSI
TFS Technical Officer

Aurelie Sfez, ETSI
Event Coordinator

Jean Luc Freisse, ETSI
IT Matters

Agenda

Thursday 20 October 2022 - TFS Hackfest

11:00 am - 11:10 am - Welcome & Logistics (10 min)
11:10 am - 11:20 am - Motivation (10 min)
11:20 am - 11:45 am - YANG Data Modelling Language (25 min)
11:45 am - 12:25 pm - Netconf (40 min)
12:25 am - 12:55 pm - ONF Transport API (30 min)
12:55 pm - 01:00 pm - Group Picture!! (5 min)
01:00 pm - 02:00 pm - Lunch Break (60 min)
02:00 pm - 02:10 pm - Introduction ETSI TeraFlowSDN (10 min)
02:10 pm - 02:30 pm - Deployment of TeraFlowSDN (20 min)
02:30 pm - 02:50 pm - Onboarding Network Devices (20 min)
02:50 pm - 03:30 pm - Programmable L3 routers (40 min)
03:30 pm - 04:00 pm - Afternoon Break (30 min)
04:00 pm - 04:30 pm - Monitoring with gRPC (30 min)
04:30 pm - 04:55 pm - Introduction to P4 (25 min)
04:55 pm - 05:00 pm - Conclusion (5 min)
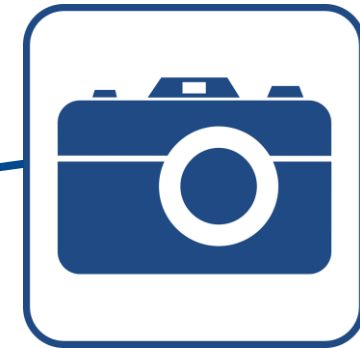
Exhibition Floor @NetworkX

Hackfest Logistics

- **BYOD**: You need your **laptop** + Linux + K8s environment
  - Follow the instructions in the wiki
  - **WIFI**: SSID: TFS_Hackfest   WPA2: WIFI4hackfest!
- **WIKI**: agenda, presentations and Hackfest material
  - https://labs.etsi.org/rep/groups/tfs/-/wikis/TFS-HACKFEST-1
- **Etherpad**: To share notes and links
  - https://pad-public.etsi.org/p/TFS_Hackfest_1
- **Slack**: Interaction with TeraFlowSDN Users and Dev Community
  - https://teraflowsdn.slack.com/
  - Invite Link
  - Join the **#hackfest1-2022-oct-20** channel

Follow – Tag – Comment!
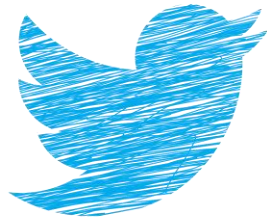
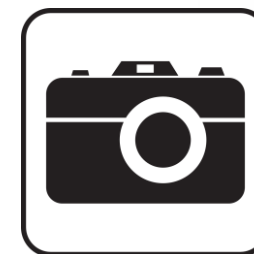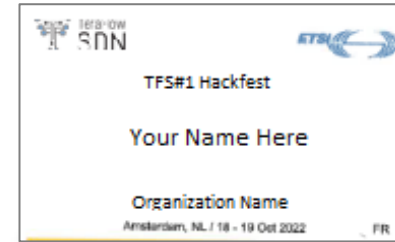@TeraFlowSDN

At the end of the day...

- A **satisfaction survey** will be circulated

  - Please take 2 minutes to reply and leave us comments

  - Your feedback is precious!

- **Certificates of participation** will be granted

  - Make sure you are properly registered, and we know where to send yours!

- And .. if you liked the **TeraFlowSDN** experience..

  - **Join us!** Participation is open to ETSI members, non-members, individual contributors and users... Learn how to join.
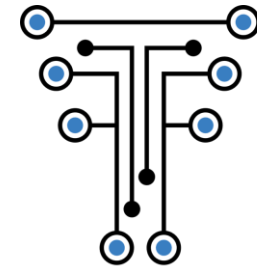
Check list ☑

- ❑ Make sure you are **registered** and have your

  - ❑ TFS Hackfest **badge**

  - ❑ NetworkX **expo pass**

  - ❑ **TFS T-shirt**

- ❑ Group picture today at 12:55 (wear your TFS T-shirt!)

- ❑ Lunch in the **Food Court**

  - ❑ Self funded if **expo pass**

Enjoy the Hackfest!

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TFSsupport@etsi.org