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Software Defined Networks and Network Function Virtualization Testbed

The SoftFIRE project aims to pursue the integration of existing experimental facilities, testbeds and laboratories into FIRE+. The project focuses on new technologies such as SDN and NFV in order to create a reliable, secure, interoperable and programmable experimental network infrastructure within the FIRE+ initiative. The Consortium will federate four existing experimental testbeds in order to create an infrastructure that third parties can use to develop new services and applications. The federation is a step towards the creation of a new network of the experimental infrastructure that could be used for 5G testing.

How does it work?

The SoftFIRE federated testbed will offer the possibility to assess and improve programmable solutions offered by distributed and heterogeneous infrastructure. Experimenters will be able to access to the federated testbed and allocate resources in the different interoperable islands and build new applications and services on this infrastructure. In addition, experimenters can functionally extend the federated testbed capabilities by introducing new programmable features.

Key objectives

The main objective of this project is to demonstrate and assess the level of maturity of adopted solutions and technologies and to show how they can unleash the full potential in a real-world infrastructure by creating, nur-

turing and supporting an ecosystem of Third Parties able to make use of the SDN/NFV functionalities.

How to get involved?

The project aims at creating a broad ecosystem of companies engaged with the evolution of the SoftFIRE testbed. In order to achieve this goal, the project will spend a considerable part of its effort and budget for involving Third Parties in the usage and consolidation of the platform. The mechanisms envisaged for this are: Open Calls and specific events (such as Hackathon, Plug-tests and Challenges). The federated infrastructure will be used in order to a) develop new services and applications from Third Parties, and b) develop new platform functionalities..

Project Facts

CALL: Collaborative Projects Call 2 - ICT12 | **EXECUTION:** From February 2016 to January 2018

COORDINATOR: Susanne Kuehrer (EIT Digital IVZW)

PARTNERS: EIT Digital (Belgium), Deutsche Telekom (Germany), Ericsson (Italy), Fraunhofer FOKUS (Germany), Reply (Italy), Technical University of Berlin (Germany), Telecom Italia (Italy), University of Surrey (UK)