NetIDE announces its first full release of an IDE framework to support SDN software development lifecycle

Contributed by: **CREATE-NET**

During the SDN & OpenFlow World Congress in Düsseldorf (Germany), the European research project NetIDE will present its first full package of the "NetIDE framework", an integrated development environment that aims to support the whole software development lifecycle of SDN applications in a vendor- and controller-independent fashion. The presentation will be given by Dr. Pedro Aranda (Telefonica I+D), technical manager of the project, during the OpenDaylight Euro-Summit.

The NetIDE framework represents a single point of entry to SDN software development and offers a unified development environment following the 'write once, execute anywhere' paradigm. In the current release, NetIDE enables rapid porting of Ryu or Floodlight applications to an OpenDaylight controller, thus facilitating the migration of existing network services to an evolving software-defined infrastructure.

In detail, the release comes as a software bundle including: (i) the NetIDE Development Environment, an Eclipse-based integrated environment for developers; (ii) the NetIDE Network Engine, a controller-agnostic environment where SDN applications for different controllers can be deployed on top of the same infrastructure; (iii) a set of NetIDE Tools enabling developers to systematically test, profile, and tune their network applications (logger, garbage collector, debugger, a wireshark dissector and many others). These tools also offer considerable benefits when troubleshooting in a productive environment after application deployment.

"It is great that we are finally releasing this important outcome of the project", declared Dr. Elio Salvadori (CREATE-NET, Italy) NetIDE project coordinator. "We strongly believe this may greatly simplify the life of many SDN software developers, who are often forced to get drop applications developed for a specific controller and re-implement everything from scratch for a different controller".

"Our presentation at the OpenDaylight Eurosummit," added Dr. Pedro Aranda (Telefonica), "is intended to involve a wider group of early adopters, who may be willing to engage with our community and propose some more advanced topics."

Contributor

Organisation	CREATE-NET Italy Website
Contact person	silvia rensi E-mail See more news from this contributor

Related information

Programmes	• FP7-ICT
Countries	• Italy

Subjects

Information and communication technology applications

Last updated on 2015-10-21

Category:	New products and technologies
Provider:	WIRE
Revision:	0