

OPOSSUM



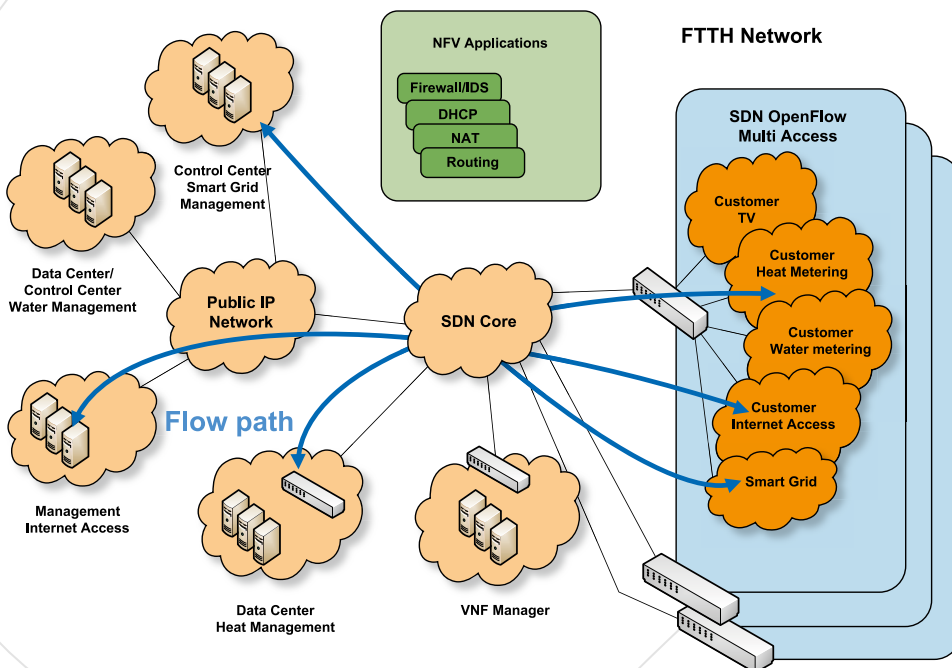
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OPOSSUM

Open Flow Based System for Multi-Energy Domain

The project OPOSSUM should encourage discussions for using the communication networks of critical infrastructures for non-critical services in order to open the network for new markets. OPOSSUM implements an OpenFlow-based SDN solution to allow the co-existence of critical and non-critical differentiated services on a common hardware substrate without mutual interference.

OPOSSUM SDN Architecture



The Fibre To The Home (FTTH) network infrastructure in Eugendorf is used to establish a communication infrastructure for critical and non-critical virtual network functions.

OPOSSUM provides

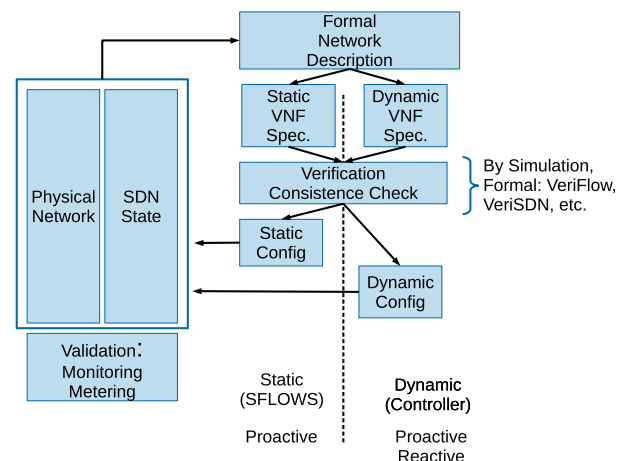
A Realistic OF/SDN Deployment

- Real COTS Hardware (Switches, CPE, Hosts)
- Real end users (usage patterns)
- Productive optical fibre network infrastructure

NFV Validation Testbed

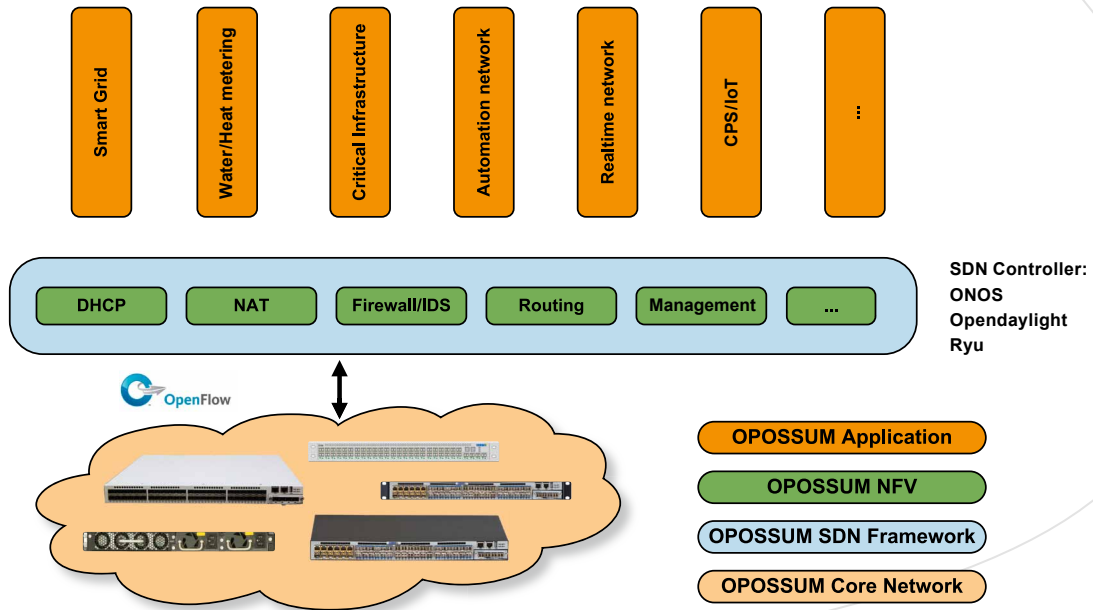
- VNF deployment in hybrid approach:
- Critical network functions: static end-to-end flow configuration (SFLOWS)
- Non-critical network functions: dynamic flow configuration (SDN Controller)

Validation Architecture



OPOSSUM validation methods for communication infrastructural in SDN based networks

OPOSSUM SDN Virtual Network Function Service Orchestration



OPOSSUM SDN service orchestration based on Open Source SDN controllers

Meet us @

- 5. Workshop VDE/ITG Fokusgruppe Energieinformationsnetze und -systeme
16.09.2015, Frankfurt, Germany
- SDN and OpenFlow World Congress, 13.-16.10.2015, Düsseldorf, Germany
- European Utility Week 2015, 03.-05.11.2015, Vienna, Austria
- 6th FOKUS FUSECO Forum 2015, 5.-6.11.2015, Berlin, Germany
- ECSEL Austria "Electronic- & Software-based Systems in Europe", Vienna, 23.11.2015

Project partners



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