Federated PoP facility in Hamburg



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WHAT

The **federated PoP (f-PoP)** is a physical location where several networks such as NREN and/or GÉANT are co-located to offer services in a joint manner.

WHERE

GN3 JRA1 T3 group has established a pilot federated PoP facility in **Hamburg, Germany**.

WHY

This initiative supports the development of cost effective (dynamic) services based on close cooperation of NRENs, including CBFs. The experimental f-PoP in Hamburg provides experiences with such collaboration concept.

HOW

Possible f-PoP configuration options are:

- Lightweight (optical only)
- Switching (optical, and switching)
- Routing (optical and routing)
- Full service (optical, switching and routing)

The Hamburg f-PoP consists of a switch that can be dynamically configured. Established solution is presented at Fig. 1



WHO

Currently the f-PoP in Hamburg involves three NRENs: NORDUnet, SURFnet and PIONIER. Joint operation procedures of this f-PoP are being tested.

WHEN

Hamburg f-POP has been researched during GÉANT 3 project within JRA1 T3. F-PoP pilot has been established in Year 3 of the project, in 2012.

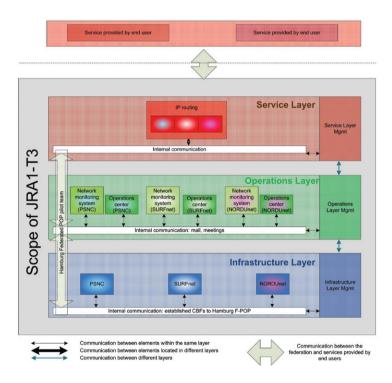


Figure 2: Federated network architecture for Hamburg federated PoP pilot.

HOW CAN I JOIN?

More networks can join the federated PoP in Hamburg, for

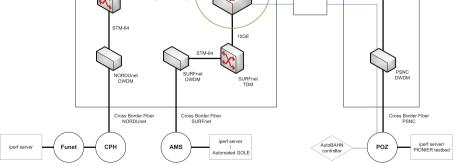


Figure 1: Hamburg federated PoP pilot network scheme: SURFnet, PIONIER/PSNC and NORDUnet testbeds are interconnected.

example through one of the participating NRENs or leased capacity. Contact your NREN for getting a circuit to your research peers.

Contact federated PoP in Hamburg team at:

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