Platform for Online Interoperability and Performance Test

F-Interop aims to extend FIRE+ testbeds with online interoperability and performance test tools to support emerging technologies from research to standardization and market launch, helping to accelerate innovation.

F-Interop Live Demos

F-Interop is still in its initial phase. We selected two demos to showcase the services that will be provided by F-Interop.

QoS monitoring tool: SDN and Agents measurements

Software defined networking (SDN) allows dynamic and flexible configuration of the network.
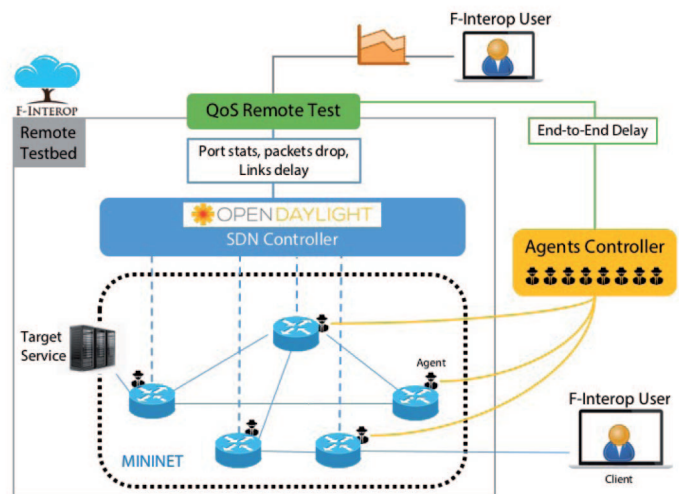
An SDN controller, having a full view of the data plane (network topology and forwarding state) can efficiently allocate network resources, according to QoS requirements.

Network performance can be monitored using passive and active methods.

Passive monitoring includes statistics on packet drops and link utilization, while active monitoring injects new traffic in the network and derives performance metrics, based on injected data (e.g., delay encountered by probe packets).

Instant deployment of network monitoring using active probes and your own OpenFlow switches.

The demo will present a monitoring tool which integrates passive measurements collected from an SDN controller and active measurements collected by a distributed monitoring platform (v6Sonar Agents). The tool is based on an OpenDaylight controller and will be fully integrated in the F-Interop platform to allow users to test their network, under different conditions, in a simulated environment (based on Mininet) or on their own networks using OpenFlow switches.

F-Interop Open Call

The F-Interop Open Call is designed to attract projects that develop innovative testing tools and test designs around the F-Interop platform for 4 categories of projects:

- New testing tools
- New tests design
- SME assessment reports of F-Interop platform
- Plugtest events organization