EXFO Worx Ethernet/IP Service Activation Solution

A Centralized Turn-Up Strategy

Solution Description

The EXFO Worx Ethernet/IP Service Activation Solution has been designed from the ground up with the goal of reducing the complexity of the service activation process while delivering trustworthy and accurate network performance data. A centralized solution, it brings together active test probes (EXFO Verifiers) and process optimization (automation) with multi-user/multi-instance capabilities to perform various complex service activation routines while leveraging various responder capabilities. EXFO Worx and EXFO Test Automation Management (TAM) manages and orchestrates tests while EXFO Xtract provides data analytics.

Solution Benefits

Multi-user/multi-instance approach increases efficiency and productivity

- EXFO Verifiers supporting simultaneous test instances are remotely controlled by multiple concurrent users.
- Customized hardware platform designed to manage combined sessions at up to interface rate, while delivering accurate measurements.

Automated tools decrease deployment costs

- Range of APIs and automation tools designed to decrease both manual tasks and overall cost required to complete jobs.
- Template-approach reduces complexity to the minimum "need-to-know" for technicians.

Flexibility reduces implementation costs

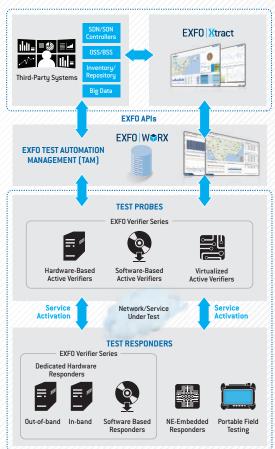
- Hardware, software and virtualized probes available for facilitating path to NFV/SDN architectures.
- Standards-based methodologies and test procedures designed to interact with a variety of test responders in order to reduce overall implementation costs.
- One system for turn-up to monitoring of layer2-layer7 makes CAPEX spend easy to justify.

Remote, centralized testing reduces truck rolls

- Centralized orchestration and distributed-reach approach combines innovative test modes with the deployment of hardware probes at key locations for complete network visibility.
- Operators can perform complete service activation routines or on-demand QoE tests without having to dispatch a single technician.

Solution Architecture

The EXFO Worx Ethernet/IP Service Assurance Solution consists of four layers, each providing different functionalities that contribute to the overall solution:



Visualization and Integration Layer

Actionable results, correlation of performance as well as enablement of third party systems to collect metrics and measurements via APIs,

Management and Correlation Layer

Management of the test process, including orchestration of probes and responders.

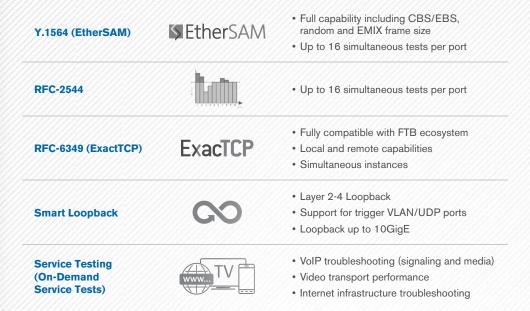
Active Test Layer

Tools and methods used to measure metrics across the network under test.



Test and Troubleshooting Capabilities

Service activation and validation requires sound and proven methods to assure the quality and the accuracy of the metrics, leveraging the latest standards-based techniques as well as a complete suite of QoE tests which can be used to exercise the service from end-to-end.



Solution Use Case: Centralized Activation

The EXFO Worx Ethernet/IP Service Activation Solution provides a complete solution enabling mobile operators to perform circuit activation faster and in an automated fashion.

