NOVA Worx

Automated and standardized service activation testing

EXFO

Centralized network turn-up strategy

Nova Worx 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. It is a centralized solution that brings together active test probes to generate traffic (**Nova Verifiers**) and process optimization (automation) with multi-user/multi-instance capabilities to perform various complex service activation routines in a simple, fast and cost-efficient way. In addition to our own responders, third-party manufacturers, or even the network infrastructure, itself can be used as a remote station/reflector for standardized tests.

Nova Worx manages and orchestrates tests, stores test data in its database and provides numerous APIs for integration into existing OSS/BSS environments or for additional analysis of test results.

Benefits

Increased efficiency and productivity

- Automation accelerates the turn-up process and enables a more timely cash flow
- Template-approach reduces the complexity of measurements, eliminating the need for expert technicians to do the job
- Clear workflow with seamless and continuous information flow for complete documentation
- Acceptance tests can be performed remotely without the need for onsite technicians

Reduced operational costs

- **Nova Worx** is a central management system and can be used by several users at the same time. Operators can perform complete service activation routines or on-demand QoE tests without having to dispatch a single technician.

Flexible and expandable

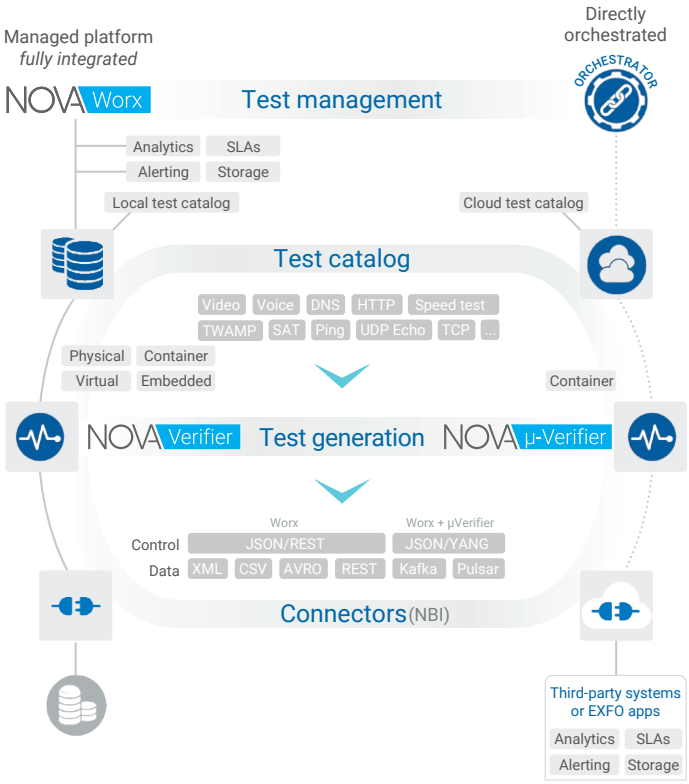
- Expandable as monitoring and testing solution for permanent monitoring of different services or for monitoring of the network infrastructure itself
- Numerous APIs enable integration into existing processes and systems

Conformity

- Recognized standards make measurements comparable and serve as reference for interference suppression or as proof for the customer
- Can be used in regions with strict data protection regulations since test traffic is generated by EXFO and no customer data is accessed or processed

System architecture

Nova Worx consists of four layers, each providing different functionalities that contribute to the overall solution.

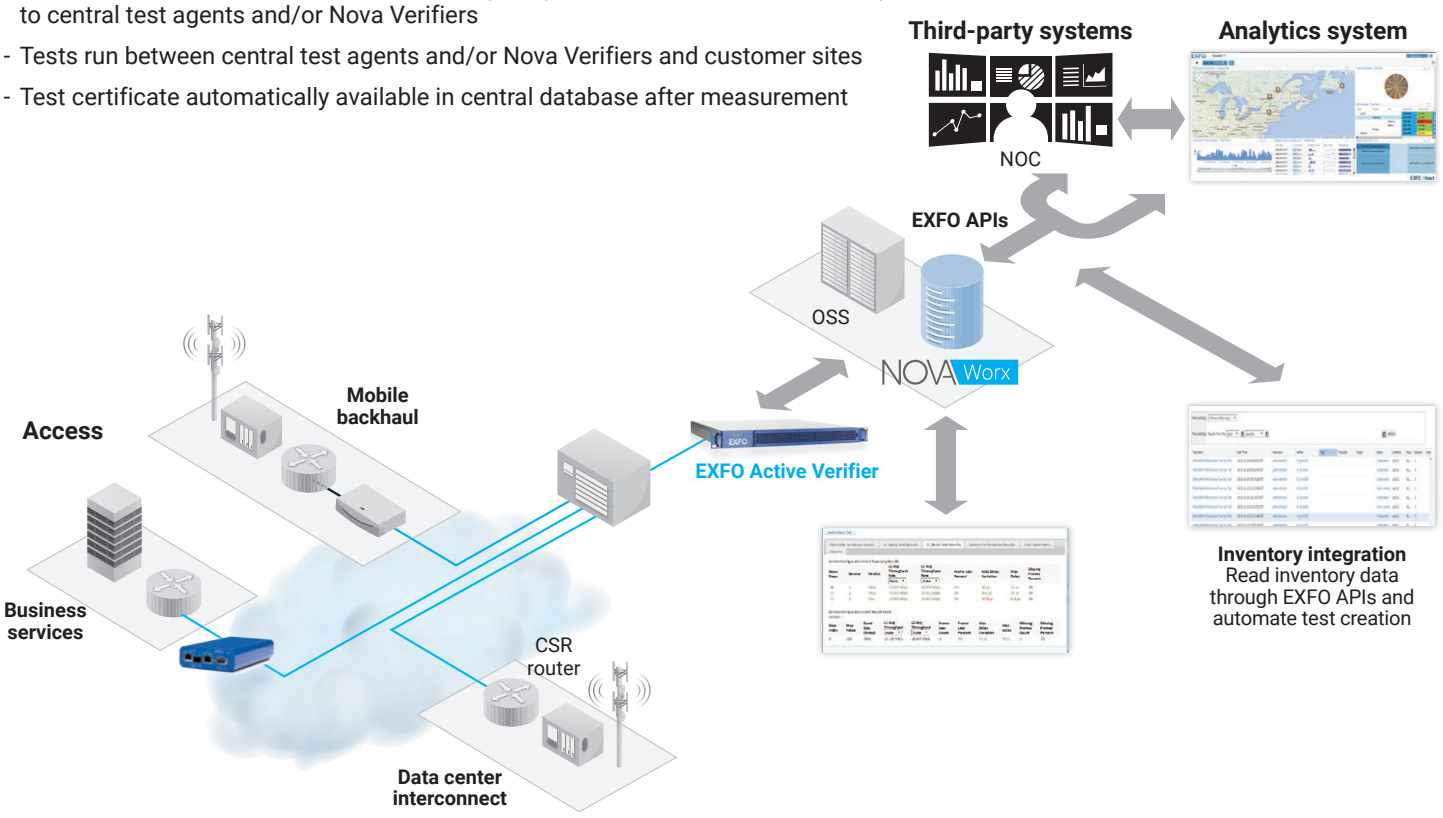


Test and troubleshooting capabilities

Y.1564 (EtherSAM)	EtherSAM	- Full capability including CBS/EBS, random and EMIX frame size - Up to16 simultaneous test per port
RFC 6349	RFC 6349	- Fully compatible with FTB ecosystem - Local and remote capabilities - Simultaneous instances
Smart Loopback		- Layer 2-4 loopback - Support for trigger VLAN/UDP ports - Loopback up to 10GigE

Use case: centralized service activation test

- Setup of remote test agent at customer site
- Tests started on Nova Worx by operator or technicians, e.g., remotely
- Nova Worx distributes service activation test jobs (based on e.g., Y.1564, RFC 6349) to central test agents and/or Nova Verifiers
- Tests run between central test agents and/or Nova Verifiers and customer sites
- Test certificate automatically available in central database after measurement



For more information, visit **www.EXFO.com/en/products/service-assurance/monitoring-troubleshooting/nova-worx**