



FSP Sync Manager

Timing management and sync assurance

As precise timing becomes more important in many networks, centralized visibility and control of this mission-critical timing environment becomes essential. Our FSP Sync Manager, in combination with our advanced Syncjack™ technology, constitutes a powerful management platform to assure perfect synchronization everywhere in the network.

Our FSP Sync Manager is an advanced management platform for distributing and assuring timing for frequency, phase and time synchronization. Implemented in client-server architecture, the FSP Sync Manager provides the flexibility, availability, scalability and performance required to meet growing demand in network and application synchronization. All functionalities are fully supported by a user-friendly graphical interface. What's more, with our Syncjack™ technology network operators can monitor synchronization status at any time and any place in the network, while the network is up and running.



Your benefits

- ✔ **Part of our network management suite**
 Reliable, secure and user-friendly management and surveillance of ADVA FSP and OSA networks, with full FCAPS support
- ✔ **Intuitive design and operation simplicity**
 Self-explanatory GUI with variety of graphical views and wizard-based provisioning
- ✔ **Virtual sync topology view**
 SyncMap view with pictorial representation of configured sync network resources and the relationships between them
- ✔ **Syncjack™ monitoring and assurance**
 Configuration, initialization and scheduling of Syncjack™ test procedures, end-to-end monitoring and testing
- ✔ **In-service distribution path analysis**
 Continuous and real-time visibility of the entire sync network infrastructure to optimize existing topologies, detect sync loops and prevent sync outages
- ✔ **Performance and accuracy metrics**
 Graphical display and analysis of standard performance metrics (PDV, MTIE, ...)

High-level specifications

Visualization

- Intuitive point-and-click GUI
- Wizard-based provisioning
- Tree-like display of sync network topology
- Network and sync view on map

General

- Discovery, visualization and monitoring; centralized faults, real time and historical PMS, inventory and security
- Backup and archive functionalities
- High availability
- Northbound interface

Syncjack™ test framework

- Efficient provisioning of Syncjack probes
- Graphical display of PTP standard metrics, MTIE and phase accuracy
- Real-time and long-term TE/TIE data collection and analysis with analytic tools

Security

- Multi-level password protection and encryption
- External user authentication (RADIUS)
- Self-managed user restricted views
- User activity log

Sync nodes

- SyncE node
- PTP nodes: G.8275.1 (T-GM, T-BC), G.8265.1 (MC, TS, BC), BC with profile mediation
- Management of third-party vendor PTP grandmaster and PTP client instances

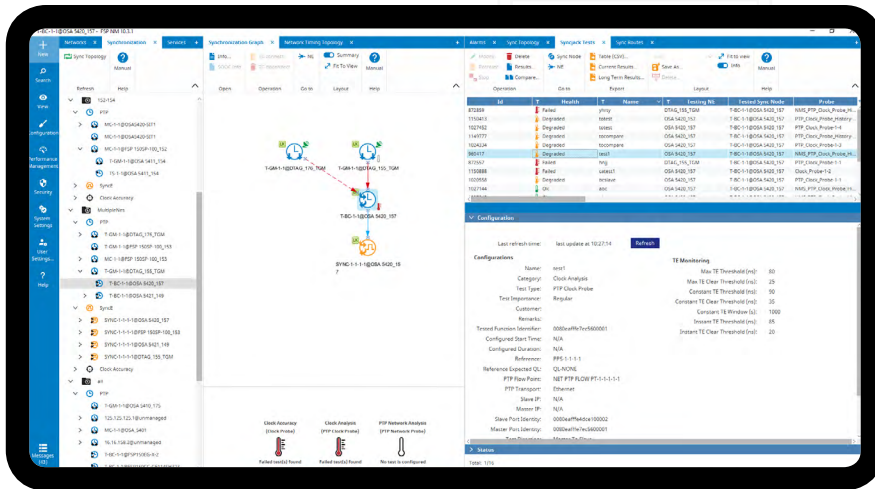
Sync topology view

- End-to-end timing chain on map
- Active clock stream identification
- Quick access to all parameters
- View of sync-related alarms and performance data

Applications in your network

Advanced management platform for synchronization monitoring and assurance

- Centralized visibility and control of network timing infrastructure.
- “Timing as a service” to manage precise time, phase and frequency distribution in packet networks
- Accurate phase and frequency information for mission critical timing environments such as packet-based mobile backhaul, next-generation network technologies (LTE-A, LTE-TDD, ...), enterprise networks and financial data centers



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