

Product Overview

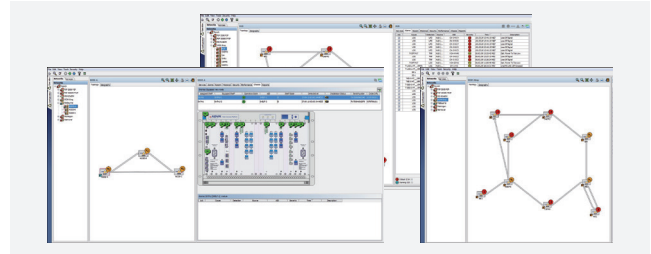
Our FSP Network Manager is a user-friendly network management system that provides end-to-end configuration, management and surveillance of networks built from ADVA FSP and OSA network elements. The system offers reliable, secure and flexible access to any node on the network to ensure superior network availability and premium service levels. Service providers and enterprises use the FSP Network Manager to greatly simplify their Optical, Ethernet and synchronization network operations by streamlining the provisioning, monitoring and reporting processes in network operations.

A Complete Management Solution

Our FSP Network Manager covers many aspects of network operation on all managed equipment. It discovers the topology of nodes in sub-networks and provides logged event and configuration capabilities. Fault, configuration, inventory, security and performance management for all network nodes can be accessed by multiple users across the entire network. Tools for alarm correlation and in-depth analysis increase efficiency in network problem diagnostics. Combined with our FSP Service Manager and our FSP Synchronization Manager, service-centric end-to-end provisioning and management dramatically increase efficiency in network operations.

Intuitive Design for Operational Simplicity

The self-explanatory Graphical User Interface (GUI) offers a variety of graphical views including physical and logical network layout, multiple predefined alarm lists and performance monitoring reports. All status lists and reports can be customized by user-definable sorting and filtering functions, offering unparalleled efficiency and flexibility in service assurance. The configuration of performance-monitoring entities associated with network elements and services can be accomplished by simple point-and-click processes. The performance data collected by the network is stored in a database which can be used to create customized reports. Older data can be automatically archived and compressed to save valuable database storage space.



Superior Integration Flexibility

Our FSP Network Manager integrates with existing Operations Support Systems (OSS) by offering powerful northbound interfaces such as TMF MTOSI, SNMP or CSV file export. All interfaces are customizable according to your needs and requirements to transform network complexity into simplicity. Such integration enables automation of the many steps needed for delivery and assurance of intelligent services.

Features & Benefits

- Intuitive graphical application for end-to-end network management covers all network elements of the FSP and OSA product families
- Accelerated and precise network operation via the FSP Service Manager and the FSP Synchronization Manager enables simplified end-to-end management
- Scheduled automatic backup of node configurations for effective business continuity management
- Extensive analysis tools and charting functionality simplifies performance monitoring, alarm reporting, fault analysis, bandwidth planning and log-file generation
- Integrates with other operations support systems through powerful northbound interfaces and adapts to legacy environments

Technical Information

Transport Products Supported

- FSP 3000
- FSP 2000
- FSP 1500
- FSP 500
- FSP 150

Synchronization Products Supported

- OSA 5331/5335/5548C
- OSA 54XX

General

- Based on TMN principles
- Intuitive point-and-click GUI application
- Context-sensitive menu navigation, tooltips and online help
- Graphical overlay with alarm summary indicators
- Wizards for multi-stage management operations
- Simplified installation and provisioning of network elements

Client-Server Architecture

- Devices in different sub-networks can be managed by a single network management instance
- Simultaneous operation of single-server entity with multiple GUI clients activated on different remote management stations
- Single Sign-On with fast switch-over between multiple servers from a single GUI client
- Virtualized GUI clients using Citrix® Presentation Server

Functionality

- Schematic representation of managed subnets
- Display of network topology with path or fiber topology view
- Listings of events or alarms with user-definable filters
- Event log and active alarm list
- Correlation, analysis and re-assessment of alarm severity
- Fault correlation and root cause analysis
- Performance data retrieval with multiple consolidation options
- Graphical presentation of performance data
- Inventory reports with multiple levels of detail
- Geographical map for easy topology identification
- Integration with local craft functions of all FSP and OSA network elements
- Centralized network element software upgrade with options for scheduled and batch operation

Security

- Multi-level password protection
- Password encryption
- Customizable user privileges
- User activity log
- External user authentication (RADIUS)
- Support for bulk change of local passwords stored in devices
- Customer self-management supporting user-restricted network views
- Option to require approval of a second person for critical operations

Backup, Archive and High Availability

- Online backup and restoration of FSP Network Manager database
- Centralized network element configuration backup and restoration
- 1+1 hot standby configuration for highest system availability

Connection to Network Elements

- Direct access to network elements via Ethernet management interface
- Remote access via Optical Supervisory Channel (OSC) or via Embedded Communication Channel (ECC) with self-restoration in protected configurations
- Remote access over external IP-based DCN connection
- Built-in HTTP(S) proxy for secure WEB-based element access

Protocols

- SNMP for communication to the network elements
- Support for SNMPv3 for higher-level security
- FTP for centralized network element software distribution, backup and restoration of element configuration data

Operating System

- Windows Server 2008/2012 and Windows 7 or 8.1 for client PCs
- Red Hat Enterprise Linux 6 on WMWare vSphere 5.1/5.5
- Solaris 10

See Release Notes for Further Information

- Recommended hardware configuration
- Device-specific functionality supported for different FSP and OSA network elements



For more information please contact an ADVA Optical Networking consultant or visit us at www.advaoptical.com

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