

Path Manager provides Unified Management of Intelligent Optical Systems and Signal Processors

Key Benefits

- Rapid response to requests through simplified configuration and provisioning
- Reduced OPEX through unified monitoring and management of all elements
- Reduced CAPEX by resource sharing

Key Features and Functions

Intelligent Optical System and Signal Processor:

- Centralized:
 - Alarms and Events
 - Configuration and Provisioning
 - System Administration and Maintenance
 - User Audit and security access logs
- Group-based User Administration
- Single GUI / one login
- System grouping which enables managing multiple systems as one unit
- API for easy integration with third party software

Intelligent Optical System

- Automated discovery and creation of end-to-end paths
- Logical partitioning for virtualized control and visibility of Intelligent Optical System
- Connection and switch configuration

Signal Processor

- Auto-discovery of protocol content
- Signal stream targeting configuration
- Visualization of streams and hierarchies

Supported Hardware & Software

Hardware: Linux Server

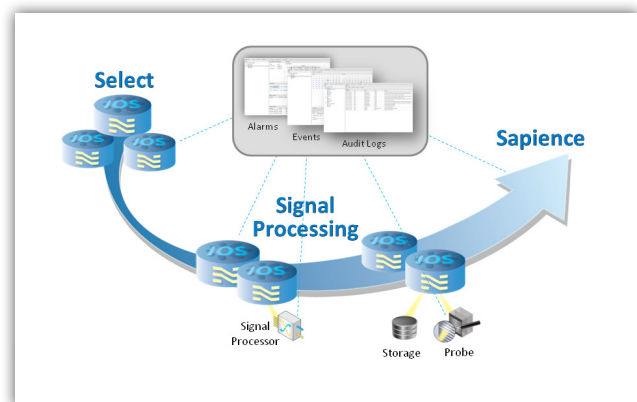
Operating System: RHEL v5.x & 6.x

For more information please contact Glimmerglass

Path Manager Release brings a host of new features in system and centralized network management of the CyberSweep™ elements, including Intelligent Optical Systems and Signal Processors. By unifying management and operation under fully integrated management software, Path Manager dramatically simplifies operations and maintenance resulting in reduction of OPEX, increase in productivity, savings in CAPEX through resource sharing, and minimization of latency in the intelligence process.

Path Manager is a component of the CyberSweep™ platform that fully integrates and dynamically controls the CyberSweep™ elements.

Path Manager enhances the Select and Extract stages of CyberSweep™, where it provides a centralized control and visibility of the Intelligent Optical Systems and Signal Processors.



Path Manager Providing Centralized Control and Visibility

Operation Highlights

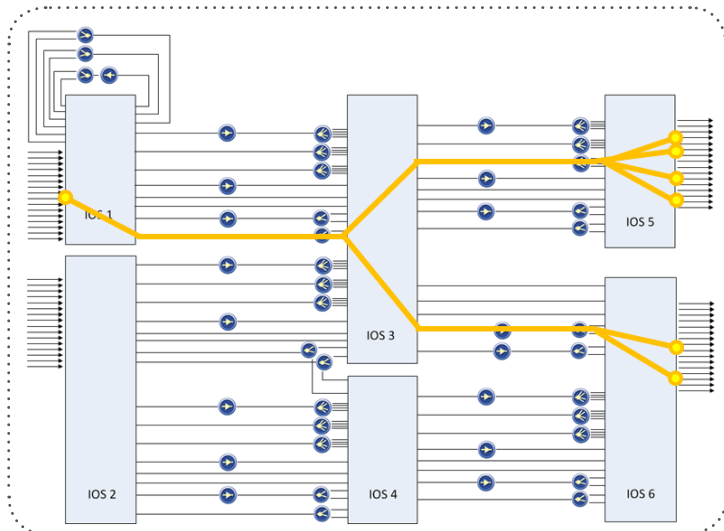
Unified Monitoring - Centralized alarms, events, and audit logs can be viewed through a single GUI for multiple Intelligent Optical Systems and signal processors. A comprehensive status of each element is displayed at a glance.

Centralized Provisioning, Administration, Maintenance – Through a common and consistent interface, the elements can be provisioned, configured, administered, and maintained from a central location. Routine tasks such as configuration backup and restore and software upgrade can be scheduled.

Resource sharing of Intelligent Optical Systems – The System Partitioning feature enables virtualization of Intelligent Optical Systems. The controllability and visibility of the ports of Systems can be partitioned based on user privilege.

Resource sharing of Signal Processor – Signal Processor provides Auto-discovery of protocol content of optical signal streams (SONET/SDH, or OTN) and translation of signal streams to Gigabit Ethernet. Path Manager enables sharing of one Signal Processor to perform all auto-discovery tasks, and then forward the signal stream to the desired destination, minimizing the number of signal processors required to perform auto-discovery of protocol content, providing significant CAPEX savings.

CyberSweep™ Path Manager is Glimmerglass' latest advancement in bringing a fully integrated unified management of CyberSweep™ elements, including Intelligent Optical Systems and Signal Processors.



Point-to-multipoint path across multiple nodes.

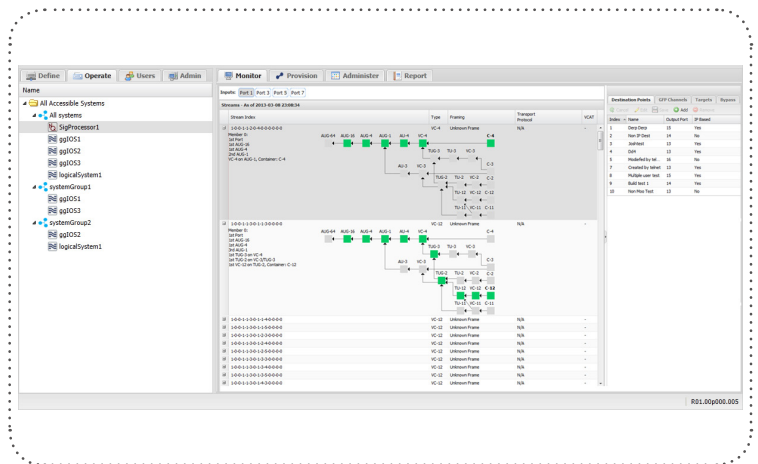
Dynamic Control of Optical Paths

CyberSweep™ Path Manager is the first software interface to provide comprehensive management of end-to-end pure optical paths. With Path Manager, network operators can create point-to-point or point-to-multipoint optical layer paths in seconds. Path Manager automatically makes the most efficient use of network resources to discover and create paths to match the network's optical power budget. Operators can use Path Manager to easily edit existing paths or to re-route paths around switch nodes in advance of planned maintenance.

Integrated Management of Signal Processors

Path Manager brings an easy to use, graphical user interface to enable users to quickly configure and manage Signal Processors in addition to Intelligent Optical Systems. Path Manager supports alarms, events, and system utilities for Signal Processors. Also supported is the display of discovered protocol contents (Auto-Discovery) on a per port, circuit, and link basis. The discovered signal streams can then be configured through Path Manager to enable the signal processor's "targeting" feature.

Path Manager for the Signal Processors also supports the advanced System Group feature. The System Group feature allows Signal Processors to be grouped together to simplify the assignment of access rights for users. The System Group feature simplifies the control and monitoring a group of signal processors.



Provisioning: Auto-Discovery and Targeting of Streams

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