

Proximion

"Proximion is with AdventNet adding a new feature to its product platform WISTOM. The SNMP agent will simplify integration and installation in customer networks and will enable Proximion customers to take full advantage of the powerful measurement performance in the WISTOM platform." – said Stefan Ekman, CEO, Proximion



Industry: Optical Networking

Business Challenge

The following were the major business challenges Proximion faced:

- Need for a reduced time-to-market schedule for WISTOM.
- An SNMP agent, which is already ported and tested in OSE Delta operating system.
- The SNMP Agent must be compliant with the RFC standards.

Solution Highlights

- A fully functional SNMP agent that was tested and implemented in the customer environment within a span of 20 days.
- User-friendly GUIs that reduced the agent development time considerably.
- WebNMS SNMP agent already ported and tested completely in OSE Delta operating system.

Benefits

- Reduced time-to-market of WISTOM
- User-friendly GUI enabling easy development of the SNMP agent
- Easily integrated in the customer environment
- An SNMP agent ported and tested in OSE Delta operating system.
- Adherence to SNMP standards
- Cost Efficiency

"AdventNet was the only supplier that offered SNMP for the OSE Delta operating system together with full-featured development tools. The competitors could not offer a MIB editor or a test system at a competitive price." – said Johan Widman, Technical Product Manager, Proximion.

Business Challenge

Proximion manufactures and sells a high-end optical performance monitor, WISTOM™.

WISTOM™ is a high performance optical layer monitor (combining the features of an optical performance monitor and a fast optical channel monitor) for applications in DWDM (Dense Wave Division Multiplexing) long haul and metropolitan area networks. WISTOM provides a tool to validate the metric of the Quality of Service (QoS) chain and thus differentiate services and billing accordingly.

The WISTOM™ In-Fiber Intelligence™ combines optical channel monitoring (OCM) and optical performance monitoring (OPM) into a real-time optical layer monitoring (OLM) capability. This enables proactive optical signal surveillance in the all-optical domain.

By offering full visibility of critical optical parameters, WISTOM™ allows DWDM-carriers to reduce operational expenses, maintain, and validate service-level agreements, accordingly differentiate the models for billing, and protect their networks against attacks. WISTOM™ due to its fast detection (sub milliseconds) discovers even very sly attempts to disturb traffic if the attack is attempted in the optical layer.

The major challenge for Proximion was to get access to an SNMP agent so that the integration of WISTOM in the customer environment will become easier. Proximion selected SNMP agent because it is based on RFC standards and any future inclusions of new products into the networking system will not disrupt its functioning.

Proximion also required an SNMP agent that had been already ported and tested in OSE Delta operating system. The SNMP agent in WISTOM would collect the necessary information from the network to which the device is connected, to generate the QoS matrix of the network. Proximion wanted to take advantage of being the first in the market with such a kind of product.

Solution

Proximion selected WebNMS Agent Toolkit C Edition for developing an SNMP agent that can help integrate WISTOM into the customer network easily.

WebNMS Agent Toolkit C Edition made Proximion's agent development easier and faster. WebNMS SNMP Agent has already been ported and tested in OSE Delta environment.

Key Features of WISTOM

- Non-intrusive, In-Fiber signal monitoring
- Fast scan of entire DWDM spectrum in real-time
- Excellent power and wavelength accuracy
- Integrated optical switch for multiple fiber monitoring
- Full-featured API for effective integration of applications
- SNMP for effective network management integration
- Highly adaptable, modular SW platform
- Robust assembly with no moving parts for reliability
- Numerous customization alternatives for high interoperability

Key Benefits

The following are the key benefits that WebNMS Agent Toolkit C Edition brought forth in the integration of WISTOM to Proximion's customer management system:

- **Reduced Time-to-Market of WISTOM:** The GUI intensive Agent Compiler tool enables the user to configure the SNMP agent much faster and generate and compile the source code based on the MIB provided as input and thus reducing the time-to-market schedule.
- **User-friendly GUI Enabling Easy Development of the SNMP Agent:** The WebNMS Agent Toolkit has a comprehensive set of development and testing tools such as MIB Editor, Agent Compiler (MIB Compiler), and MIB Browser, all of which have a user-friendly interface. The MIB Editor helps to create and edit MIBs and the Agent Compiler helps to develop the SNMP agent with the required configurations and takes the MIB as input. The MIB Browser is a testing tool to test the developed agent. This made the agent development itself easier and a less painful task.
- **Easily Integrated in the Customer Environment:** The AdventNet SNMP agent's architecture enabled Proximion to easily integrate WISTOM in the customer environment and complete the testing within a very short span of time.

- **SNMP Agent Ported and Tested in OSE Delta Operating System:** WebNMS SNMP agent has already been completely ported and tested for the OSE Delta operating system, which is used in WISTOM. This again contributed to the reduction in the time-to-market schedule.
- **Adherence to SNMP Standards:** As the customers for Proximion are large network operators in countries all over the world, they prefer to have a standard protocol that could run smoothly even when a new product is integrated, instead of implementing a new protocol. WebNMS Agent Toolkit C Edition satisfies this requirement also as it is compliant with the latest RFC standards.
- **Cost Efficiency:** The competitive pricing of the Agent Toolkit combined with the feature-intensive tools (MIB Editor and testing system apart from the Agent compiler) proved to be cost effective to Proximion.

For WISTOM, Proximion's primary customers are operators, service providers, and equipment and instrument vendors.

Development Facts

Agent Development, testing and deployment at the customer environment: **20 – 25 days.**

Small memory footprint

Complete Development Suite with user friendly GUIs

Completely ported and tested in OSE and hence no last minute surprises

About Proximion Fiber Systems AB

Proximion Fiber Systems AB is a world leader in Fiber Bragg grating technology ("FBG") as well as FBG-based modules and subsystems. Proximion manufactures and sells a high-end optical performance monitor, which provides network surveillance using a scanning filter based on advanced Fiber Bragg Grating (FBG) technology. By offering full visibility into critical optical parameters, WISTOM allows DWDM-carriers to reduce operational expenses, maintain and validate service-level agreements, accordingly differentiate their models for billing, and protect their networks against attacks. Service providers, operators, equipment, and instrument vendors use Proximion's products. Proximion is based in Kista, Sweden. For more information, visit the company's Web site at <http://www.proximion.com/>.

About ZOHO Corp.

ZOHO Corporation provides affordable software for database migration, management and provisioning of complex networks, systems, and IT applications. With a broad product portfolio and an active customer base ranging from enterprises, equipment vendors, and service providers, ZOHO Corporation has emerged as a very affordable and high-quality alternative to expensive software that is common in this industry.

ZOHO Corporation is headquartered in Pleasanton, CA with offices in NJ, NH, India, UK, China and Japan. It has a well-trained partner base around the globe and thousands of customers world-wide. For more information, call 925-924-9500 or visit our Web site at: www.webnms.com.