



A Powerful EMS Solution for Enterprise Networks

Auto Discovery and Device Viewer

- Templates provisioning for efficient configuration
- Traffic/Performance monitoring and management
- Alarm and event management
- Batch Firmware Upgrade
- Feature-rich Layer2 and Layer3 configuration
- Tight access control and log management
- Allow up to10 concurrent users



Enterprise Network Element Management System

NETATLAS™ ENTERPRISE EMS

Benefits

Centralized Network Management Platform

To achieve greater business successes, networks must adapt well with ever-evolving applications and business environment. Stability and top service quality are the fundamental for daily business operation. As network size grows, it can be a challenge to maintain the network and react to possible network failures promptly. Especially when multiple switching devices are spread across different sub networks.

To simplify network management, ZyXEL NetAtlas[™] Enterprise EMS (Element Management System) provides a centralized remote management platform that allows administrators to easily maintain and monitor each switch on the network from a single computer. This allows efficient network management and lightens the load off the administrators who can better use the time for other value-added tasks.

Intuitive Hassle-free Operation Interface

No more entering cryptic commands! With intuitive and user-friendly graphical user interface (GUI), NetAtlas[™] Enterprise EMS polls network element status and presents the graphical topology in the Map Viewer. Furthermore, double-click an icon in the Device Viewer to see the front panel graphical view and get real-time element status updates.

Configuration templates reduces manual, repetitive configuration time. You can apply a template to multiple ports or devices. With template provisioning, configuration changes are just simple mouse clicks away.

Network Health Monitoring and Management

It is vital to monitor network traffic to be aware any abnormal activity. NetAtlas[™] Enterprise EMS allows you to monitor network traffic and generate graphical report down to the port level. Detailed items such as TX/RX, Error packets, collision packets and packet size, etc. can be displayed for further analysis. In addition, event and alarm management tools can issue SNMP trap and log the event in detail for prompt alert. Event logs are displayed in different colors to indicate the event severity level. Actions can be triggered by trap automatically without manual initiation; thus leaves flexibility and convenience to network managers.

Complete Screen-Based Network Management

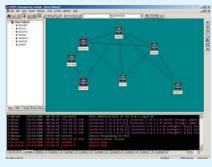
With NetAtlas[™] Enterprise EMS, network maintenance is just a few simple mouse clicks away. Multi-site network operation and maintenance become easier than ever before. You can remotely perform general device maintenance (such as firmware upgrade and configuration file backup/restore) on more than one device on the network. With complete Layer2 switching, Layer3 IP routing, and system management features, efficient device monitoring and configuration allow for better network quality and can be cost-effective.

Strict Secure Access Management

Tight access control is essential for a secure network. In the NetAtlas[™] Enterpise EMS, access to configuration screens and/or status screens are strictly based on user name, password, user's computer IP address and user account category. The three user categories give login accounts different administration authority. The NetAtlass[™] Enterprise EMS allows up to 10 users to log in at a time. Information such as the user ID, user group, IP address, configuration actions and time is logged for security reasons. So network managers know who logged in, when and did what.

Features at a Glance

Map Viewer/Device Viewer



Tree View

Shown in a tree structure of up three layers: root map node, submap node, device node.

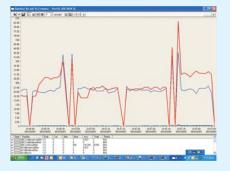
- Device View
 - Add/delete a submap or device node and update the device topology.
 Query the status of a managed network element.

Template Provisioning



- To save configuration templates for future use.
- Templates can apply on multiple network elements or device ports.

Performance Management



- RX Packets Counters (RX Packets, Multicast, Broadcast, Pause and Control)
- TX Packet Counters (TX Packet, Multicast, Broadcast and Pause)
- TX Collision Counters (Single, Multiple, Excessive and Late)
- Error Pkts counters (RX CRC, Length and Runt)
- Distribution counters (64, 65~127, 128~255, 256~511, 512~1023, 1024~1518 Kbytes and Giant)

Alarm/Event Management



- Event category: Communication Alarm, Equipment Alarm and QoS Alarm.
- Event severity: Critical, Major, Minor, Warning, and Normal.
- Event source: IP address of managed device and port ID
- Time Stamp: time at which the event is generated
- Problem: A description about the event

System Management

Device Name	Device IP	Backup Dhedula
Gweit-8778 Sweit-7082 Gweit-7783	172 23:15:114 172 23:15:115 172 23:15:115 172 23:15:113	Frequency C No Backup C Daily C Weekly C Monthly
		Starting date 1970/ 1/ 1 Starting Store 1+ 00:00 2
		Backup Directory
		Drawte
		User and the Windows Account Advancements Password
•		
A00	Remove	Apply Chron

- Display basic system information
- SNMP parameter configuration
- Access Control
- Remote management
- Time server setting
- Firmware upgrade
- Firmware upgrade
- Device reset
- Network element configuration backup and restore (automatic or manual), Load Factory Default
- Loopback Test
- 802.1d (MAC Table, ARP Table)

L2/L3 Feature Configuration



Port level setting

Port Setup, VLAN Port Configuration, LACP, STP, 802.1x, Port Security, Mirror Ports, VLAN Stacking, Bandwidth Control, Broadcast Storm Control, Query Method

System wide Layer 2 settings

VLAN Type, Enable/Disable IGMP snooping, Enable/Disable Bridge control protocol transparency, MAC Address Learning, GARP Timer, Priority Queue Assignment, STP/RSTP configuration, Enable/Disable Bandwidth control, Enable/Disable Broadcast storm control, Enable/Disable Mirroring, Enable/Disable LACP, System Priority, Group T1~T6, Enable/Disable 802.1x, RADIUS Setting, Enable/Disable Port Security, Queuing Method, VLAN Stacking, Static VLAN configuration, DHCP Relay, Classifier, Policy Rule, DiffServ

System wide Layer 3 settings

Static Routing, IP Setup, RIP, OSPF, IGMP, DVMRP, IP Multicast, VRRP

Secure management

General Restricted View Demanne: Depenvisor User Info Reed Name: Depenvisor Disconf.	Panvoğ; • Ro-enter Panvel:
Level: Dupervisor User Info Real Name:	
User Info Real Name:	En enter Parrod:
Red Name:	
Done#:	
Memo:	
Event Contect Info E-meil:	
Page Lype: Numeri	
Group 1: Defends	IF Tues IF Sat IF Wed IF Sun
Occup 2:	F Thun T All
Start Time: 00:000	0
Dop Type: 24.000	0 🔽 Algaya Send Email

Access control

Log Filter

- 3 levels System-Administrator, Operator-Read/Write and Operator-Read Only.
- Access Log Management Log includes user name, access level, real user name, phone number, e-mail address

and additional information.

RFC 1493 Bridge MIB RFC 2674 P-Bridge MIB, Q-Bridge MIB

- RFC 3621 POWER-ETHERNET-MIB
 - RFC 1757 RMON

RFC 1157 SNMP

RFC 1213 MIB II

RFC 1905 SNMPv2c

- RFC 1643 Ethernet MIB
- RFC 2233 ifVHCPacketGroup

Network Protocol and Standard

Track and locate access by filtering logs (User Name, access level, ..., e-mail, etc)

Specifications

System Requirements

- Hardware
- CPU: Intel Pentium 4, 1.6 GHz (or above)
- 1 GB RAM (or above)
- 10 GB Hard Disk (or above)
- 1024 x 768 Graphical Adapter (or above)
- 10/100 Mbps Ethernet Adaptor
- Software
- Windows 2000, Windows 2003 Server or Windows XP
- CastleRock's SNMPc Network Manager
- Database System: PostgreSQL 8.0

For more product information, visit us on the web www.ZyXEL.com

Corporate Headquarters ZyXEL Communications Corp. Tel: +886-3-578-3942 Fax: +886-3-578-2439 Email: sales@zyxel.com.tw http://www.zyxel.com.tw

ZyXEL Czech s.r.o. Tel: +420 241 091 350 Fax: +420 241 091 359 Email: info@zyxel.cz http://www.zyxel.cz ZyXEL Denmark A/S Tel: +45 39 55 07 00 Fax: +45 39 55 07 07 Email: sales@zyxel.dk http://www.zyxel.dk

ZyXEL Finland Oy

Tel: +358-9-4780 8400 Fax: +358-9-4780 8448 Email: sales@zyxel.fi http://www.zyxel.fi

ZyXEL France SARL ZyXEL Hungary Tel: +33 (0)4 72 52 97 97 Fax: +33 (0)4 72 52 19 20 Email: info@zyxel.fr http://www.zyxel.fr Tel: +36-1-336-1646 Fax: +36-1-325-9100 Email: info@zyxel.hu http://www.zyxel.hu

ZyXEL Germany GmbH.

Tel: +49 (0) 2405-6909 0 Fax: +49 (0) 2405-6909 99 Email: sales@zyxel.de http://www.zyxel.de

ZyXEL North America

Tel:+1-714-632-0882 Fax:+1-714-632-0858 Email:sales@zyxel.com http://www.us.zyxel.com

ZyXEL Norway A/S ZyXEL Russia Tel:+47 22 80 61 80 Fax:+47 22 80 61 81 Email: sales@zyxel.no http://www.zyxel.no

ZyXEL Poland Tel: +48225286603 Fax: +48225206701 Email: info@pl.zyxel.com http://www.pl.zyxel.com

Tel:+7 (095) 542-8920 Fax:+7 (095) 542-8925 Email: info@zyxel.ru http://www.zyxel.ru

ZyXEL Spain Tel: +34 902 195 420 Fax: +34 913 005 345 Email: sales@zyxel.es http://www.zyxel.es

Tel: +44 (0) 1344 303044 Fax: +44 (0) 1344 303034 Email: sales@zyxel.co.uk http://www.zyxel.co.uk

ZyXEL UK Ltd.

ZyXEL Sweden A/S Tel:+46 (0) 31 744 77 00 Fax:+46 (0) 31 744 77 01 Email: sales@zyxel.se http://www.zyxel.se

Tel:+380 44 494 49 31 Fax:+380 44 494 49 32 Email: sales@ua.zyxel.com http://www.ua.zyxel.com

ZyXEL Ukraine



Copyright © 2006 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo and ZyNOS are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.

ZyXEL Kazakhstan

Tel: +7-327-2-590-699 Fax: +7-327-2-590-689 Email: sales@zyxel.kz http://www.zyxel.kz

65-100-102409G 01/06