

PRODUCT DATASHEET

Introducing tbXMS2.0: Your Complete Network Management Solution

INTRODUCTION

tbXMS2.0, developed by TechBridge, represents the pinnacle of advanced Enterprise-grade Network Monitoring and Management platforms. Designed with scalability, flexibility, and comprehensive functionality in mind, tbXMS2.0 empowers organizations to effectively manage and optimize their IT infrastructure, ensuring unparalleled performance, reliability, and security.

DISCOVERY OF NETWORK ELEMENTS

- **Automatic Discovery:** IPv4 network elements using policy-based and directed discovery.
- **Protocol Support:** Supports ICMP/SNMP protocols for enhanced directed discovery.
- **Asset Models:** Automatically determines asset models and allows options for IP exclusion or inclusion during discovery.
- **API Integration:** RESTful web service API for easy integration with external systems.

HIGHLIGHTS

- **Comprehensive Monitoring:** Offers URL, availability, distributed, and network link monitoring for thorough oversight of network health.
- **Event-Driven Architecture:** Utilizes event-driven architecture for proactive management, ensuring rapid response to network issues.
- **High Availability Support:** Supports high availability, ensuring continuous operation even during critical situations.
- **Customizable Configuration:** On-GUI configuration settings enable easy customization to adapt to specific organizational needs.
- **Integrated Fault & Performance Management:** Offers fault and performance management functionalities for streamlined network operations.

The Benefits

- Automated service fulfillment enhancing service availability.
- Ensured service reliability for superior customer experience.
- Proactive issue resolution in real-time.
- Detailed insight into system failures through drill-down views.
- Holistic end-to-end network management.
- Compliance and IT security assurance.
- Scalable solutions adaptable to future needs.
- Streamlined operational processes from a centralized platform.
- Data-driven decision-making facilitated through trend analysis.

- **API Based Monitoring**
- **SAP Hana Monitoring**
- **Application Monitoring**
- **SNMP Based Monitoring**
- **Drilldown view of Malfunctioning Systems**



- **Unified Dashboard:** Provides a single pane of glass view with a unified dashboard for easy monitoring and management.
- **Integration Capabilities:** Supports integration with third-party applications using REST API, facilitating seamless interoperability.
- **Extensive Protocol Support:** Supports various protocols including SNMP (v1, v2c, v3) and ICMP for comprehensive network monitoring.
- **Auto Ticket Generation:** Automatically generates tickets based on alarms, facilitating efficient incident management.
- **Syslog Management:** Manages syslog with extensive filtering and alerting options for proactive monitoring.
- **Secure Login with Captcha:** Ensures secure access with CAPTCHA-based login to prevent unauthorized access.
- **User-Friendly Interface:** Intuitive design for efficient navigation and task execution.
- **Light Mode and Dark Mode:** Interface options for user comfort and preference.
- **Threshold Configuration:** Customizable threshold settings for performance monitoring.
- **Custom Dashboard:** Personalized dashboard creation to display the most relevant metrics and data for different user roles.
- **Business Criticality:** Users can choose up to 3 critical devices to monitor on the dashboard homepage, defining specific parameters to track.
- **Master Data Management:** Users can add different device types, vendors, and vendor models for comprehensive monitoring.
- **Custom Dashboard Layout:** Design personalized dashboard layouts using widgets, with unique, savable configurations for each user.
- **Customer Logo Customization:** Upload and display custom logos on the dashboard and in reports.
- **Performance Dashboard:** Two sections displaying live data refreshed every 10 seconds and historical data as a line graph, downloadable as reports.
- **Role-Based Access Control:** Implements role-based access control to ensure secure access to network resources.

DETAILED MONITORING

- RCA
- Manual Topology
- Performance Monitoring
- Predictive Analytics Using AI/ML

USER ROLE MANAGEMENT

- Use Groups
- Logged in users
- User Preferences
- Password Change
- Multiple Account types
- Group edit Resources and Threshold settings



FEATURE DESCRIPTION

FAULT MANAGEMENT

- Alarm, event, polling, and outages management for comprehensive fault detection.
- Status propagation across all network levels for effective fault resolution.
- Automatic ticket generation based on alarms for proactive issue resolution.
- Immediate fault detection via polling and traps for rapid response.
- Multi-level threshold with color-coded severity types for quick prioritization.
- Syslog management with extensive filtering and alerting options for proactive monitoring.

FLEXIBLE & CUSTOMIZABLE REPORTS

- Flexible and customizable reports that cater to your specific needs.
- Detailed Historical Reporting
- Ability to configure the Logo in the Reports.
- Scheduled reports delivered directly to your inbox.
- Get a comprehensive 24-hour health report at your fingertips.
- A robust and fully configurable reporting module.
- Highly informative pre-configured reports available.
- Multiple graph types supported, including trend, bar, pie, area, and more.
- Export reports to various formats like PDF, Excel, CSV, and more.
- Automatically scheduled reports sent directly by the system.

WEB SERVER MONITORS PARAMETERS

- Errors (per sec)
- Get Requests (per sec)
- Post Requests (per sec)
- Client-Side Errors (per sec)
- Server-Side Errors (per sec)
- Percent Busy Connections (%)

SYSTEM MONITORING

- Enhanced Roles-based Access to ensure secure access to sensitive data.
- Intuitive Single pane of Glass view for a comprehensive overview of the system.
- Extensive monitoring of virtualized infrastructures like VMware, Citrix, etc., through WMI protocols.
- Centralized management of Virtual and Physical servers for streamlined operations.
- Comprehensive monitoring of various OS parameters such as File System, Processes, Memory, Log Files, etc.
- Thresholds based Parameter Monitoring and escalation of alarms based on set thresholds for timely action.
- Predictive Performance Monitoring using AI/ML: Forecasts potential issues and optimizes resource allocation.

NOTIFICATION & ESCALATION

Support for bulk notifications by grouping based on:

1. Time periods 2. Nodes/Devices

- Rule based alerts
- Multi-mode notification
- SMS, E-mail, Batch, Syslog

SUPPORTED DATA COLLECTION METHODS

- WMI
- SNMP Traps: v1, v2c, v3
- JMX
- Syslog
- CDP, LLDP, IS-IS, Bridge, OSPF, XML, JDBC, NRPE, NSClient++
- WS-Man, HTTP, TCA

NETWORK DEVICES

- HP
- IBM
- DellZTE
- D Link
- Avaya
- Network Printers
- 3Com
- CISCO
- Mikrotik
- Juniper
- Huawei
- Xtreme Networks
- Palo Alto
- EdgeCore
- Sonic Wall
- CheckPoint
- Alcatel Routers
- Fujitsu-Seimens
- Any SNMP supported devices

APPLICATION

- Nginx
- MySQL
- Antivirus
- Microsoft
- SharePoint
- MS Exchange
- Apache Tomcat

KEY MONITORED PERFORMANCE STATISTICS

- CPU Utilization
- Disk Utilization
- Network Utilization
- Memory Utilization
- Network Availability
- Resource Availability
- Database Availability
- Application Availability
- Port Availability

SERVERS

- Unix
- Linux
- SUSE
- Solaris
- Debian
- Ubuntu
- RedHat
- CentOS
- Windows

DEPLOYMENT SUPPORT

- DC-DR Supported
- OS64 Bit Architecture
- VM based Deployment
- Cloud based Deployment
- Both Windows & Linux Supported
- Physical server-based Deployment

Dashboard



ABOUT TECHBRIDGE

TechBridge is the World's leading Product Company. Data Center Applications, Collaboration and Real Time Communication. DC Management and Monitoring, Disaster Management, Security, Collaboration and Cloud. Its market-leading Network Modernization, Unified Communications, Mobility and Embedded Communications solutions enable customers to quickly capitalize on growing market segments and introduce differentiating products, applications and services. We are an expert and leader in Government Solutions, Smart City Solutions, Data Centers and Large Enterprises. We do custom applications also, as per the customer requirements.

CERTIFICATES:-



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