

# Probus Technologies

## NETWORK MONITORING SOFTWARE

Centralized Monitoring &  
Management Platform for IP  
Networks

- ✓ .Centralized monitoring
- ✓ .Multi-vendor device support
- ✓ .Real-time health monitoring
- ✓ .Device availability and uptime tracking

 [www.Probustech.com](http://www.Probustech.com)



Probustech Network Management System (NMS) is a centralized network monitoring and management platform designed to provide real-time visibility, performance monitoring, and fault detection across enterprise IP networks.

Built on a robust monitoring framework powered by Zabbix, the Probustech NMS enables organizations to monitor routers, switches, firewalls, wireless infrastructure, servers, and other IP-based devices through a unified web-based dashboard.

The system supports standard network protocols such as SNMP, ICMP, TCP/IP, and IPv4/IPv6, enabling seamless integration into multi-vendor network environments.

Probustech NMS is designed for enterprise networks, campus deployments, data centers, and large-scale infrastructure environments supporting up to 500 network devices and beyond.

## Key Features

### Centralized Network Monitoring

- Centralized monitoring of up to 1000 IP network devices
- Multi-vendor device support
- Real-time health monitoring of network infrastructure
- Device availability and uptime tracking

### Performance Monitoring

- Continuous monitoring of critical performance parameters including:
  - CPU utilization
  - Memory usage
  - Interface bandwidth utilization
  - Packet loss and latency
  - Device uptime and response time
- Historical performance graphs provide deep insights for capacity planning and troubleshooting.

### Web-Based Management Dashboard

- The system provides a secure browser-based interface for centralized monitoring and management.  
**Key capabilities include:**
  - Customizable dashboards
  - Role-based user access
  - Multi-user access for NOC teams
  - No client software required

### Real-Time Topology Visualization

- Dynamic network topology maps
- Graphical visualization of network devices
- Device dependency mapping
- Real-time status indication

### Fault Detection & Intelligent Alerts

- Probustech NMS provides proactive fault detection to reduce downtime.  
**Features include:**
  - Real-time event detection
  - Customizable alert thresholds
  - Automated notification system
  - Alert escalation policies
  - Alerts can be delivered via:
    - Email
    - SMS gateway integration
    - Web notifications

### Device Discovery & Inventory Management

- Automatic device discovery
- SNMP-based device detection
- Network asset inventory
- Device grouping and classification  
**Supported SNMP versions:**
  - SNMP v1
  - SNMP v2c
  - SNMP v3

**Probustech NMS is designed for scalable deployments.**

## Reporting & Analytics

Probustech NMS provides comprehensive reporting features including:

- Network availability reports
- Device performance reports
- SLA compliance reports
- Historical trend analysis
- Reports can be exported for operational or management use.

## Security Features

- Role-based user access control
- Secure HTTPS web interface
- SNMPv3 secure monitoring
- User activity audit logs

## Deployment Models

- Probustech NMS supports flexible deployment options:
- On-Premises Deployment
- Private Data Center Deployment
- Enterprise Network Operations Center (NOC)

## Technical Specifications

### Component Details

Deployment : On-Prem / Cloud  
Database : MySQL / PostgreSQL  
Protocols Supported : SNMP, ICMP, TCP/IP, SSH  
OS Support : Linux (Preferred)  
Scalability Supports : Thousands

## Supported Protocols

- SNMP v1 / v2c / v3
- ICMP (Ping monitoring)
- TCP / UDP
- HTTP / HTTPS
- IPv4 / IPv6

## Benefits

- Centralized visibility of network infrastructure
- Proactive fault detection and alerting
- Reduced network downtime
- Improved operational efficiency
- Scalable monitoring platform
- Multi-vendor device support

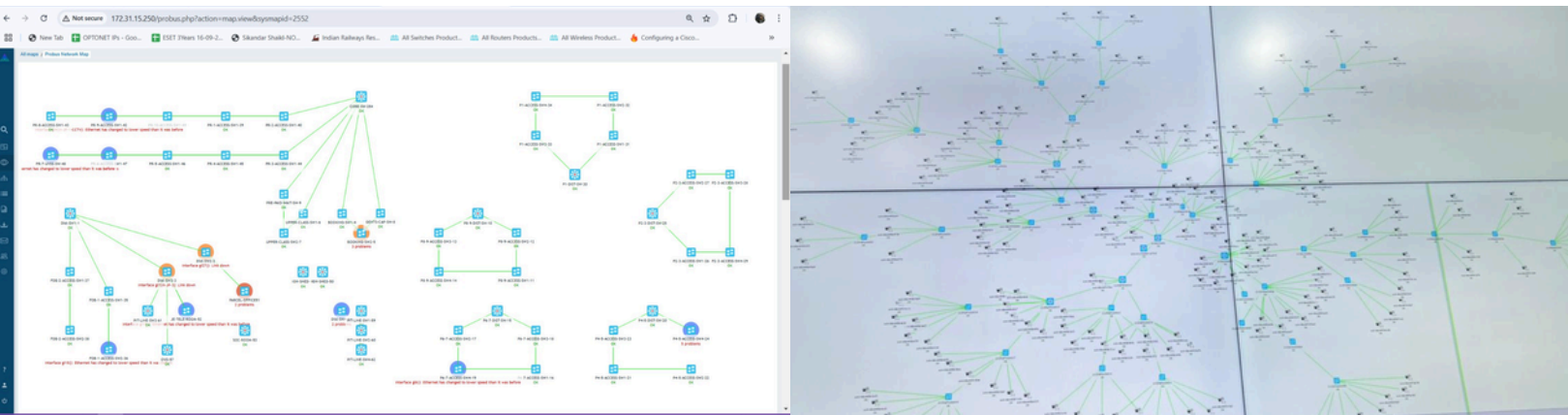
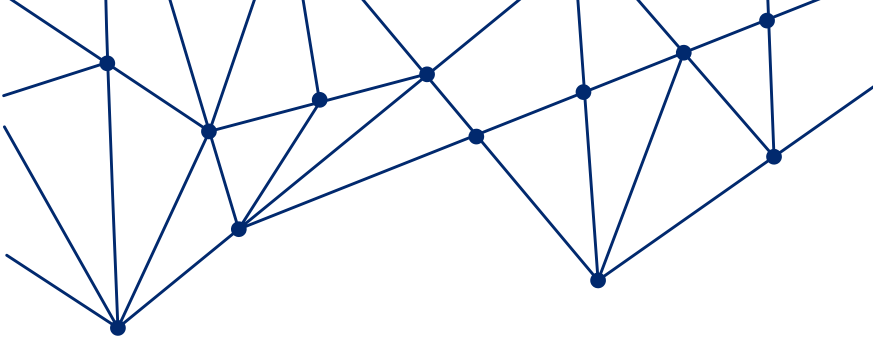
## Typical Use Cases

- Enterprise campus networks
- Government infrastructure monitoring
- Smart city networks
- Data center monitoring
- Large-scale surveillance networks

## Supported Infrastructure

- Network Devices (Routers, Switches, Firewalls)
- Servers (Windows, Linux, Virtual Machines)
- Cloud Infrastructure (AWS, Azure – via integration)
- CCTV & Surveillance Systems
- AV & IoT Devices





**Designed with a user-friendly graphical interface, the solution ensures simplified monitoring and faster decision-making.**

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