

An End-to-End IT Infrastructure Management Solution that helps Simplify Network & Systems Management by Monitoring, Managing and Optimizing System Performance and Availability across Heterogeneous IT Environments. Everest is enterprise-Proven and ensures smooth running data-centers both on-premise as well as on cloud.

FEATURES

Network Monitoring

Automatic Scanning of Network Devices via multiple protocols. Vendor-agnostic approach to monitor parameters like Device Availability, Link Availability, Bandwidth Utilization, Rx, Tx etc. directly as well as through user-created VLANs. Numerous Data representation for availability tracking of Primary & Secondary ISP links and critical links like MPLS, P2P, LL etc. via flexible dashboards and Reports.

Application Monitoring

Monitor individual applications with respective application specific important parameters. Supports Email applications like Exchange, Notes, Zimbra, Dominos, etc; Web Servers like Apache, Tomcat, IIS, etc; Application Servers like JBOSS, J2EE, Oracle WebLogic, IBM WebSphere etc. Enhanced End-User experience with direct access to pages and views for specific applications being monitored.

Server Monitoring

Ensure optimal performance of servers from all vendors including Dell, IBM, HP, Fujitsu etc. running on any OS like Windows, Linux, Solaris, AIX etc. Granular level analysis and tracking of individual processes & services running on each servers to track performance issues. Server specific overviews for key parameters like CPU, Memory, Disk & HD Utilization, Server Health, etc.

Database Monitoring

Direct view of each database element performance from browser and monitor instances on both virtual and physical servers. Light-weight and agentless technique to optimize performance with response-time and transaction based analysis for MSSQL, MySQL, Oracle, PostgreSQL and IBM DB2. Instant detection of database outages, failures, and table corruption as well as predictive assay of storage requirements and index performance.

Benefits

- Highly Customizable to Tailor-fit requirement
- Easy Adaptability to New Devices / Apps / Changes
- User Friendly Diagnostic Tools
- Secure Control of IT Infrastructure
- Automate Business-Critical Transactions
- Scalable Architecture

Extendibility

- XML Web Services API
- CORBA
- Protocol plug-ins
- Discovery plug-ins
- New Vendor plug-ins
- New Standards plug-ins
- Notifications plug-ins

Virtualization Monitoring

Manage hosts & guests and workloads with automatic discovery of pools, hosts, host CPUs, etc. Monitor key parameters of Host like CPU Cores, Memory, VMs running, etc and VM key parameters like CPU, Memory and Disk Usage, etc. Tracing of VMs across host servers. Supports VMware ESX/ESXi, Microsoft HyperV, Citrix XenServer and Linux KVM.

Topology Mapping

Automatic Detection of Network Topology via L2, L3 protocols and projection of the data in Diagrammatic View with easy color-coded status. Representation of the mapped data can be displayed through Flat Network View as well as Geo Maps. Simulate Datacenter architecture on a Live Dashboard using the Network diagram drag-and-drop tool.

Service Desk

An ITIL v3 based engine fully packed with features like Business Rules, Data Archiving, Knowledge Base, Ticket Notification, Help Desk Reports and critical processes including Change, Incident, Problem & 24X7 SLA Management, Service Catalog and CMDB. Queue based dynamic workflow with multi-department support.

Configuration Management

Manage configurations for routers, switches and other network devices of any vendor. Scheduled Backup and Baseline Tagging of Device configurations. Simplified Change Management through Comparison reports with color-code highlights, Instant notifications, approval settings.

Business Process Monitoring

Monitor critical business processes & IT services by breaking them into granular components and defining logical groups for the same. Manage Internet, Intranet, Proxy and Email service to ensure improved MTTR and minimize application failures through quick root cause analysis and intelligent event processing.

Service Level Agreement

Intelligent SLA monitoring through proactive violation alerting and comprehensive reporting. Resource level SLA specification and support for multiple SLA templates. Option to choose from the default templates to maintain service policies. Separate specification for Outage, Business Hours and Holidays. Enable SLA Timers to prevent unnecessary escalations.

DEFAULT CAPABILITIES

- ✓ Scheduled and Bulk Discovery
- ✓ Business Views & Live Maps
- ✓ Real-time / Offline Reports
- ✓ Dashboards with Custom Options
- ✓ Network Diagram
- ✓ Email, SMS, SNMP Trap, Beep Alerts, etc
- ✓ In-Built Diagnostic Tools
- ✓ Multitenancy & Role-Based Access
- ✓ UI based Process Details
- ✓ PDF, Excel, CSV Export options

DISCOVERY PROTOCOLS

Dual Stack IPv4, IPv6	
Standard Monitoring	SNMP v1 / v2c / v3 WMI, SSH, ICMP
Topology Monitoring	LLDP, CDP, NDP, STP, etc
Application Monitoring	HTTP, HTTPS, SMTP, FTP, POP3, NTP, etc TCP, UDP
RF & SCADA	Serial RS232 / 422 / 485 Modbus TCP / RTU, BACnet

EXTENDED CAPABILITIES



VSAT Monitoring

Centralized Remote Management of VSAT devices and Geographical View with Real-time status. Grouping based on Customer, Region and Location.



RF Device Monitoring

Centralized Remote Management of RF Devices like Converter, Amplifiers, Modems, Receivers used for Satellite Communication.



ATM Monitoring

Manage and Monitor ATM Links and connectivity from Bank Head Office to various locations. Instant Alert generation for unstable Device or Link status.



Cloud Monitoring

Comprehensive Monitoring of private cloud infrastructure which are orchestrated through CloudStack / OpenStack.



Tower Utility Monitoring

Real-time Monitoring of key components like BMS, SMPS, Energy Meter, DG and Modbus devices along with customized Tower Utilities Report.



CCTV Monitoring

Real-time Monitoring of IP Cameras and instant alerting based on the logs captured for Motion-Detection, Tampering, Idle Mode and Device Health.



Digital Media Monitoring

Monitoring projector stats, power flow into the lamp, audio system, device health, server health, and disk utilization.



WiFi Monitoring

Management of Access Controller and respective Access Points through monitoring stats for Temperature, Associated AP counts, Power Attenuation, Signal Strength, Users Connected, etc.

MINIMUM SYSTEM REQUIREMENTS

CPU	Dual Core 2 GHz or 2vCPU
Memory	4 GB
Hard Drive	20 GB
OS	CentOS 7 and above

DEPLOYMENT ARCHITECTURE



Standalone Architecture



Distributed Model



High Availability Model

LICENSING

Everest has a **simple device-based licensing model** wherein the cost of monitoring a single router, switch, firewall or server is the same. The base pack includes fault & performance monitoring of devices bundled with topology mapping, reports, dashboards and notifications. Users also have the option to purchase certain add-on modules for additional features including Network Device Configuration Management, Application & Database Monitoring, Syslog Monitoring, Service Desk, etc.

MODULE NAME	BASE PACKAGE	ADD-ON LICENSE
Topology Discovery	✓	
WMI, SNMP, SSH Monitoring	✓	
Performance Scan	✓	
Alarms & Notifications	✓	
Reports & Dashboards	✓	
Live & Static Maps	✓	
Business Specific Views	✓	
User Accounts	Upto 3 Users	Above 3 Users
Network Diagram	✓	
SLA Management	✓	✓
Syslog Monitoring		✓
Application Monitoring		✓
Database Monitoring		✓
Virtualization Monitoring		✓
QoS Monitoring		✓
Configuration Management		✓
Service Desk		✓

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