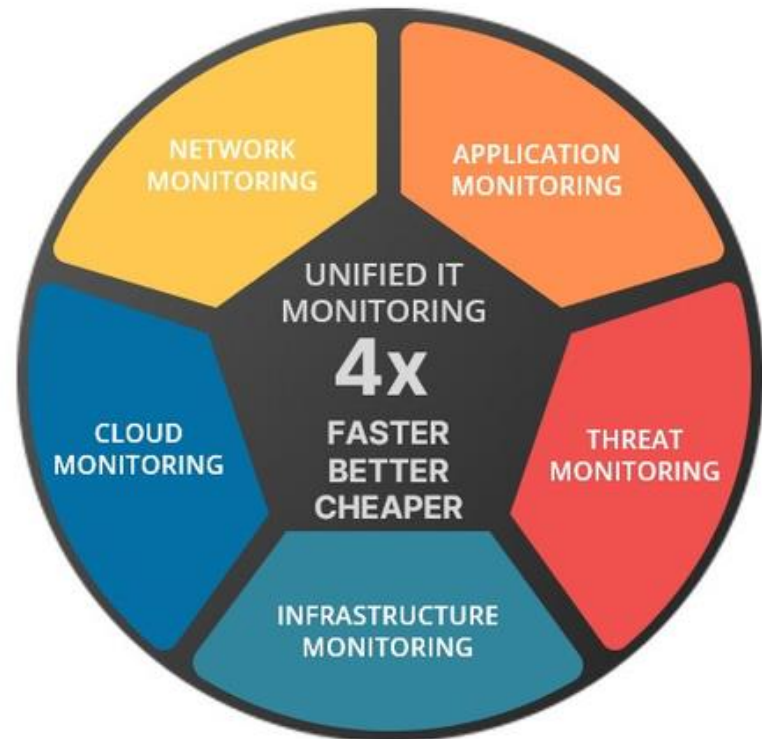


Enterprise360

Unified IT Monitoring Platform

Full stack IT monitoring solution across network, application, infrastructure and cyber threats



Application Performance Monitoring	Network Performance Monitoring	Infrastructure Performance Monitoring	Cloud Performance Monitoring	Cyber Threat Monitoring
User Experience Transaction Tracing APIs, DB, Log Monitoring	Link Errors, Latency, Drops, Outages Capacity Planning App Performance	Server/Device Health Database Health Virtual Infra Health Synthetic Tests	Kubernetes, Dockers Microservices AWS/Azure/GCP IaaS Monitoring	MITRE Threats Reputation Threats DDoS Attacks Anomalies

Salient Features

- Real time, unified and full stack IT monitoring in one solution
- Agentless monitoring - no overhead/cybersecurity compromise
- End to end visibility from on-premises to private/public cloud
- Out of box and customizable workflows
- Automated alerting and reporting
- Rich integrations - ITSM/SIEM, Email, Slack, Microsoft teams etc
- Software only solution, install and use anywhere
- Application specific troubleshooting workflows
- Unified monitoring solution for ITOPS, DEVOPS, SRE, SECOPS
- Integrated Solutions with ITSM, ITOM, ITAM, NCM partners

Key Benefits

- Reduced IT outages
- High performing IT applications and services
- Improved customer experience, employee productivity
- Cyber threats and attacks detection/investigation in early stages
- Accelerated digital transformation
- Increased IT team collaboration
- Customer hosted and SaaS deployment options
- 4x faster MTTR (mean time to resolve) IT incidents
- 4x better visibility compared to individual monitoring tools
- 4x cheaper - one simplified pricing for unified observability



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Unified IT Monitoring Coverage

Network Monitoring	Application Monitoring	Infrastructure Monitoring	Threat Monitoring	Cloud Monitoring	Integrations/ Others
Various options SNMP based Layer 2 Netflow based Layer 3 Packet based Layer 2-7	APM agent-based Monitoring for Java, NodeJS, Golang, PHP, .Net etc apps	Server Monitoring using Remote SSH/WMI/ Agent	MITRE ATT&CK framework Threat Detection & Investigation	Public Cloud Infra Monitoring (AWS, Azure, GCP etc)	Unified Dashboards for Network, App, Infra, Cyber Threats Monitoring
Link, Site, Host, Conversation Monitoring Change Mgmt, Capacity Planning, Forecasting	Database Monitoring (Elasticsearch, MySQL, Mongo, Maria , SAP-HANA etc)	Disk/Storage Monitoring	DDoS Threat Detection & Investigation	Cloud DB Services Monitoring(Elasticsearch, MySQL, MongoDB etc)	Fully Customizable Workflows, Build your own Dashboards
Packet Level Session Tracing and Evidence	App-Specific Monitors (HTTP, SSL, DNS, SSH, ICMP, SMTP, SIP, DHCP, POP3, RDP, DCE, RPC, FTP etc)	SNMP based Infra Monitoring (Any Device/Any MIB)	Reputation Threats using Stix/Taxii feeds	Kubernetes/ Dockers Monitoring	ITSM/SIEM/BI Tools Integration (Servicenow, Jira, Grafana, PowerBI etc)
Device Specialized NPM monitors (Cisco, Vmware, Fortinet, Paloalto, Netscaler, Aruba etc)	Rest API Monitoring Real User Monitoring (RUM)	Virtual Infra Monitoring (Vmware ESXI)	Network Anomalies	AWS Cloud Watch Azure Monitor GCP Monitor	Integrated Solutions with ITSM, ITOM, ITAM, NCM Partners
SNMP based Device NPM Monitoring (Any device/Any Vendor MIB)	SaaS Apps Monitoring SAP Monitoring Tomcat, Apache, nginx etc monitoring	Synthetic Test Monitoring (Any HTTP/s URL)	Certificate Threats & Network Risks	Cloud API Monitoring	Alert on any Metric Report on any Dashboard Integrations (Email, Teams, Slack, Whatsapp etc)
VPN Monitoring Topology Maps	Custom App Log Monitoring Thread Dump Analysis JVM Monitoring	Network Devices Health Monitoring Routers/Switches/APs etc	Unknown Threats, Behavior Anomalies (Roadmap)	NPM Monitoring in any Public Cloud	Automated Remediation (Open Scripting Framework)



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Network Performance Monitoring(NPM) Coverage

NPM Technology	Link Monitoring	Application Monitoring	SDWAN Monitoring *	Customization
Packet based DPI(L2-L7) Netflow based(L3) SNMP based(L2)	Link outages, Bandwidth, Drops, Errors, Congestion, Routing Issues, LB Issues, Network Latency, Traffic Throughput, Site-Site Traffic	Special monitors for troubleshooting network KPIs for each app Eg: HTTP, SSL, SSH, DNS, DHCP, EMAIL, VOIP, DB, VPN etc Trace every network/app connection – analyze, troubleshoot with session packet trace level evidence Store and retrieve every packet for analysis	Cross Vendor SDWAN Monitoring –Cisco Viptela, Versa, Lavelle, Fortinet, Aruba etc Branch outages, SP link performance, Routing issues, Underlay/Overlay network performance. OMP, BFD KPIs SDWAN Vendor KPIs	Customize out of box dashboards and build your own dashboards
Device specialized NPM	Host Analysis	Capacity Planning	Network Maps	Alerting/Reporting
Monitor any MIB/any vendor. Custom device specialized built in NPM dashboards for Cisco, Vmware, Meraki, Aruba, Ruckus, Fortinet, HP, Dell, Netscaler, Checkpoint etc	Monitor and troubleshoot every host(client or server). Troubleshoot host specific issues related to network/app	Traffic growth on links, servers, apps, sites, regions, subnets, branches for capacity planning and forecasting	SNMP based Topology Maps, Network Traffic based real time traffic maps. Detect and troubleshoot dependencies, errors, latencies, traffic/throughput load	Alert on any Metric Automated/Manual Alerts Report on any dashboard (Adhoc/Scheduled)
Private Cloud Monitoring	Public Cloud Monitoring			Remote User/VPN
Vmware, Microsoft HyperV, Open Stack Environments	Network monitoring for VPCs, compute instances, load balancers in any cloud			Monitor, detect and resolve VPN issues
				NCM Integration
				Integrate - NCM solutions



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Application Performance Monitoring(APM) Coverage

APM Technology Network Traffic/Deep Packet Inspection(DPI) based app monitoring + APM agent based end to end application transaction tracing + API based App Monitoring + Database Monitoring + Synthetic Tests, App Logs + Real User Monitoring	Network Traffic Based App Monitoring Special monitors for troubleshooting each app protocol Eg: HTTP, SSL, SSH, DNS, DHCP, EMAIL, VOIP, DB, VPN etc Trace every network/app connection – analyze, troubleshoot errors, latency, sub transactions, with application session level packet trace	App Logs Monitoring Export any standard/custom logs and monitor and troubleshoot KPIs from custom logs	Real User Monitoring Trace real user experience from user's browser. UI components performance.	SaaS Apps Monitoring Real time performance monitoring for cloud based SaaS apps
APM Agent Supported Frameworks Java, NodeJS ,GoLang, PHP, Python, .Net etc	Synthetic Monitoring Setup any http/https based synthetic tests for apps. Measure performance from simulated transactions	Database Monitoring SQL, MySQL, MS-SQL, Mongo, MariaDB, HANA ElasticSearch etc	API testing/monitoring Monitor availability & performance of 3rd party APIs/services	Dependency Maps Network, App tier, External Integration dependencies
		API based App Monitoring Vmware Vcenter/Esxi Kubernetes, Dockers MySQL, ElasticSearch SAP etc	TCP Monitoring Monitor TCP errors, retransmissions, resets, zero window, latencies	Alerting/Reporting Alert on any Metric Automated/Manual Alerts Report on any dashboard (Adhoc/Scheduled)
			Exception Analysis Stack trace up to function/module	Custom Dashboards Customize and build your own dashboards



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Infrastructure Health & Performance Monitoring(IPM) Coverage

IPM Technology	Server Monitoring (Linux/Windows/HPUX)	Cloud Elastic Compute Health	Infra Logs Monitoring	Auto Discovery
Linux(Remote SSH) + Windows(WMI/Agent) + SNMP+ API	CPU , Memory, Disk I/O, Latency, Network I/O, Storage, Processes/Services, Threads, System Errors	AWS, Azure, GCP Others	Export any standard/custom Infra health logs and monitor KPIs from custom logs	Auto discover your devices and provision them for monitoring. Detect new devices and auto provision them for monitoring
Device specialized IPM	Database Health Monitoring	Cloud Infra Monitoring KPIs Integration	Bulk Import	Alerting/Reporting
Monitor health MIB/any device/any vendor. Custom device specialized built in IPM dashboards for Cisco, Vmware, Meraki, Aruba, Ruckus, Fortinet, HP, Dell, Netscaler, Checkpoint etc	SQL, MySQL, MS-SQL, Mongo, MariaDB, HANA ElasticSearch etc Cluster/Node/Proxy health and performance	AWS Cloud Watch, Azure Monitor, GCP stack driver etc	Import devices in bulk and provision them for monitoring	Alert on any Metric Automated/Manual Alerts. Report on any dashboard (Adhoc/Scheduled)
		Vmware Infra Health Monitoring	Customization	
		Monitor health and performance of vCenters, Esxi hosts and all VMs running on them	Customize out of box dashboards and build your own dashboards	

ThoughtData vs Competition

4x More Value - Unified Observability @ Lesser Time, Cost

Feature	ManageEngine	Solarwinds	Zabbix	NetScout	AppDynamics	Nagios	ThoughtData
Unified Monitoring - Network + App + Infrastructure + Cyberthreats	Separate products No CyberThreats	Separate products No CyberThreats	Separate products No CyberThreats	Separate products No APM/Infra	APM Only No Network/ CyberThreats	Separate products No CyberThreats	✓ Unified Solution
Network Monitoring-Layer 2-7(SNMP+Netflow+Packet/DPI)	SNMP, Netflow	SNMP, Netflow	SNMP, Netflow	Separate products	No Network Monitoring	SNMP, Netflow	✓
Application Monitoring-(Network+APM+API+Synthetic+Logs)	APM, Logs, Synthetic Separate products	APM, Logs Separate products	API, Logs, Synthetic Separate products	Network Only No APM, Logs, API	APM, Synthetic Only	Logs, Synthetic Only	✓
CyberThreat Monitoring(MITRE+DDOS+Reputation+Anomalies)	✗	✗	✗	Separate products	✗	✗	✓
Customizable Workflows and Dashboards	✗	✗	✗	✗	✗	✗	✓ Customize Any Dashboard
Custom device vendor MIB monitoring	✓	✗	✗	✗	✗	✗	✓ Any MIB/Any Vendor
Device specialized dashboards(Cisco, Vmware, Fortinet etc)	✗	✗	✗	✗	✗	✗	✓ Most Common Vendors
Virtualization Infrastructure Monitoring	✗	Separate products	✗	✗	✗	✗	✓
Cloud Network Monitoring	✗	✗	✗	✓	✗	✗	✓
Pricing	Complicated Feature Based Expensive	Complicated Separate products Expensive	Open Source Support Based Expensive	Complicated Separate products Very Expensive	Complicated Feature Based Expensive	Complicated Feature Based Expensive	Simplified #Devices Based Affordable

