Network Health Monitoring Solution

Model: GNHMS

Network Health Monitoring Solution

Face Recognition Technology	Standalone Device
Software Domain / Type	Network Monitoring Software(NMS)
Modules of Network Monitoring Software offered in the scope of supply	Network monitoring
	Netflow
	Syslog
	Physical host monitoring
Types of Licence	Perpetual
Duration of Subscription (in months) (Hint :- Select '0' if not applicable)	12
OEM Licensing policy	Per Device
Number of licensing included in the offered product as per OEM defined licensing policy	500
Scope of Installation	Installation
	Integration
	Configuration
	User Acceptance Testing of offered product
Hosting Enviroment/ Deployment Option	Cloud
	On Premises
The offered product have support from OEM for	Unlimited updation for Patches and Bug fixes within maintenance & support period
	Unlimited upgradation of version within support period

Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)	1
Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)	1
Training Options	On-Site
	OEM Training Centre
	Virtual
	Training Material
No of days Training Provided (Hint :- Select '0' if not applicable)	2
Network Performance Monitoring features	Capable to support visually representing network outages and other error conditions on the topological map
	Capable to do trend analysis of stored historical records of network performance data
	Capable to provide visual Hop-by-hop analysis along critical network paths
WAN link monitoring	Capable to provide details on WAN link latency, bandwidth utilization and Round-Trip-Time
	Provision to configure custom thresholds as per buyer requirement
	Capable to configure business , non-business hours or custom time polling
	Supports instant diagnosis of the node status through Ping, Telnet and SNMP walk
Monitoring of Network metrics supported by the offered product	Packet loss
	Errors
	Discards
	Response time
Server Monitoring	Capable to support Virtual Machine, Hypervisor and Cluster monitoring
	Capable to monitor availability and performance of web server , email server and database server etc.
Syslog	Provision to collect and store system logs from target devices including firewalls, routers, switches, WLC, servers, applications & databases.
Traffic Analytics Features	Capable to collect traffic data using the flow technologies and correlate it into a useable format, and presents it to the user in a web-based interface for monitoring network traffic.
	Capable to provide CBQoS (Class Based Quality of Service) monitoring and reporting.
	Capable to identify which users, applications, protocols, countries, AS numbers, top routers, and top interfaces are consuming the most bandwidth.
Configuration Backup	Capable to generate alerts for failed configuration backup.
	Capable to generate configuration backup reports.
	Provison for approval based system to change the configuratione of target network devices .

Configuration Management	Capable to monitor device configuration and generate alerts when configuration change occurs.
	Capable to maintain audit trail of configuration changes: when and where a configuration change occurred, who made the change, and what specific additions or deletions were made to a configuration.
	Support compliance auditing of configuration files.
	Provision to perform standard compliance checks across all target network devices.
Licence Delivery Mode	Electronic Licence
Platform type	Server based
	Web based
	Cloud based
Number of months for which historical records of network performance data can be stored	12
Monitoring of the health of the network devices supported by the offered product	CPU
	RAM
	Storage
	Temperature
	Fan speed
	Power supply
	Server
	Apps
	IT Devices
	Non IT Devices
Supported protocol to communicate the devices	SNMP
	HTTP
	Ping
	SMTP
	POP3
	JMX
	SOAP
	REST API
	SSH
	Telnet
Capable to monitor for	HTTP service
	HTTPS service
	FTP server statistics
	POP/SMTP services
	ICMP services
Technology supported by the offered product	NetFlow
	sFlow
	IPFIX
Availability of Support for monitoring of network bandwidth and traffic patterns at	An interface-specific level
	IP group level
	User and endpoint level

Alterting Features	Capable to support alarm notification to notify the administrators when any device/link fault or network performance degradation happens.
	Capable to support alert notification via E-mail, SMS and syslog.
	Capable to integrated with buyer server for alert notification via E-mail.
	Capable to support alarms Suppression capabilities so that any duplicated events can be tracked to provide just a single event notification.
Reporting and Presentation Features	Capable to support presentation of availability and performance data over web interface.
	Capable to display the topological information in graphical form representing nodes and groups of nodes on a realistic geographical map.
	Allow creation of custom maps using available network devices so that the L2/L3 network connections between all selected devices are automatically created.
	Automatically group devices into element type, location and severity.
	Allow for creation of custom reports in addition to the out-of-the-box reporting templates.
	Reporting data capable to export to HTML, PDF, XLS and CSV file formats.
	Supported automatic Report generation on an scheduled basis.
	Automatically delivering of report via email.
Reporting capabilities	All performance threshold breaches for a specified period of time
	All performance threshold breaches for a specified group of devices
	WAN link availability
	WAN performance statistics - bandwidth consumption, round-trip-latency, packet loss, jitter
Integration features	Capable to integrated with the Service Management tool for automatic creation of tickets in response to an event in Network monitoring tool.
IP Address Manager	Capable to provide centralized management of the IP address space including IPv4 and IPv6 Address Management.
	Capable to provide real-time, detailed IP address status reports.
	Capability to conduct periodic IP scans, and build and maintain documentation of the IP address blocks automatically .
	Capable to integrate with Active Directory, DHCP and DNS servers to provide detailed information pertaining to an IP address.
	Capable to Monitor IP address usage, provide alerts on subnet capacity issues and IP address conflicts.
Switch Port Manager	Capable to identify the switch port to which a device is connected.
	Capable to discover the devices plugged into each port of a specified switch and provide details of IP address, MAC address, DNS hostname and logged in users of the connected device.
	Capable to generate reports on port availability of the switches like free ports, used ports and ports that are inactive beyond "n" number of days.
	Capable to identifying switches operating at near capacity and see where unused ports can be reclaimed
	Capable to detect rogue devices in the network.