

NMIS Event List

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Event Configuration

NMIS includes a feature "Event Configuration" which allows users to individually manage the events and alerts NMIS generates, this can be accessed in the NMIS GUI at "System -> System Configuration -> Event Configuration".

When you access the screen you can edit a given event and decide how you would like NMIS to handle it. To prevent an event from being actioned by NMIS or opEvents, you would edit the event.

Event Configuration Mon 11:30

Table Events							
Event	Notify on Event	Log on Event	Status Summary	Stateful	Canceling Event	Description	Action > add
Alert: BGP Peer Down	true	true	true	true	Alert: BGP Peer Up	A BGP Routing Protocol Peer has been detected to be down.	view edit delete
Alert: Fan Status	true	true	true	true	Alert: FAN Status Closed	A fan has reported a status which is not fully operational.	view edit delete
Alert: GE Alarm Active	true	true	true	true	Alert: GE Alarm Active Closed	A GE Alarm is active on the node.	view edit delete
Alert: High Disk Usage	true	true	true	true	Alert: High Disk Usage Closed	The node has high disk usage (disk is getting full)	view edit delete
Alert: High Memory Usage	true	true	true	true	Alert: High Memory Usage Closed	The node has high memory utilisation.	view edit delete
Alert: High Memory Utilisation	true	true	true	true	Alert: High Memory Utilisation Closed	High memory utilisation was detected on this system.	view edit delete

For example we want to stop getting the BGP Peer Down alert. Edit the event and change "Notify on Event" and "Log on Event" to false and "edit (save)" your change. If you did not want this event to contribute to the node becoming degraded you would change "Status Summary" to false as well.

Event Configuration Mon 11:31

Table Events	
Event *	Alert: BGP Peer Down
Notify on Event *	<input type="text" value="true"/>
Log on Event *	<input type="text" value="true"/>
Status Summary *	<input type="text" value="true"/>
Stateful	<input type="text" value="true"/>
Canceling Event	Alert: BGP Peer Up
Description	A BGP Routing Protocol Peer has been detected to be down.

* mandatory fields.

Event List

The following events can be generated by NMIS, because NMIS is handling events statefully, the Event is cancelled by a "Cancelling Event".

Event	Type	Stateful	Cancelling Event	Description
Alert "Custom Alert Name" ***	Fault	Yes	Alert "Custom Alert Name" Closed	This is the catch all for custom alerts. More details about Custom Alerts for SNMP MIB Polling can be found at Alerts - Using models to generate custom events
Alert: BGP Peer Down	Fault	Yes	Alert: BGP Peer Down Closed	A BGP Routing Protocol Peer has been detected to be down.
Alert: GE Alarm Active	Fault	Yes	Alert: GE Alarm Active Closed	A GE Alarm is active on the node.
Alert: High Disk Usage	Fault	Yes	Alert: High Disk Usage Closed	The node has high disk usage (disk is getting full)
Alert: High Memory Usage	Fault	Yes	Alert: High Memory Usage Closed	The node has high memory utilisation.
Alert: High Number of System Processes	Fault	Yes	Alert: High Number of System Processes Closed	A high number of system processes has been detected on the node.
Alert: High Oper Completion Time	Fault	Yes	Alert: High Oper Completion Time Closed	The Cisco IPSLA operation has high completion time.
Alert: High Swap Usage	Fault	Yes	Alert: High Swap Usage Closed	The node has high SWAP Memory utilisation.
Alert: High TCP Connection Count	Fault	Yes	Alert: High TCP Connection Count Closed	The node has a high number of TCP connections.
Alert: RTT Completion Status Not OK	Fault	Yes	Alert: RTT Completion Status Not OK Closed	The Cisco IPSLA operation has not completed correctly.
Alert: Virtual Machine not Powered On	Fault	Yes	Alert: Virtual Machine not Powered On Closed	The Virtual Machine is NOT powered on, this may or may not be a desirable state.
Interface Down	Fault	Yes	Interface Up	An interface NMIS is managing has gone down (physical or logical outage).
NMIS runtime exceeded	Admin	No	N/A	Indicating that the NMIS polling cycle is going too long.
Node Down	Fault	Yes	Node Up	A node is down, stopped responding to ICMP or SNMP packets for longer than the timeout.
Node Failover	Fault	No	N/A	A redundant node pair has failed over, typically a Cisco PIX or ASA.
Node Reset	Fault	No	N/A	A node reset has been detected, the operating system has restarted.
Node Configuration Change	Config	No	N/A	A configuration change has been detected on this node.
Proactive Calls Utilisation	Threshold	Yes	Proactive Calls Utilisation Closed	There are too many calls, and you need more lines.
Proactive CPU	Threshold	Yes	Proactive CPU Closed	The configured CPU threshold of the node has been exceeded.
Proactive CPU User	Threshold	Yes	Proactive CPU User Closed	The User CPU utilisation threshold has been exceeded.
Proactive CPU System	Threshold	Yes	Proactive CPU System Closed	The System CPU utilisation threshold has been exceeded.
Proactive CPU IO Wait	Threshold	Yes	Proactive CPU IO Wait Closed	The IO (Input/Output) Waiting for CPU threshold has been exceeded.
Proactive CPU Idle	Threshold	Yes	Proactive CPU Idle Closed	The Idle CPU utilisation has fallen below the configured threshold.
Proactive Dead Modem	Threshold	Yes	Proactive Dead Modem Closed	A modem is dead and probably should be put out to pasture.
Proactive Interface Availability	Threshold	Yes	Proactive Interface Availability Closed	The configured interface availability threshold of the node has been exceeded.
Proactive Interface Discards Input Packets	Threshold	Yes	Proactive Interface Discards Input Packets Closed	The configured threshold for INPUT packets being discarded by the interface.
Proactive Interface Discards Output Packets	Threshold	Yes	Proactive Interface Discards Output Packets Closed	The configured threshold for OUTPUT packets being discarded by the interface.
Proactive Interface Error Input Packets	Threshold	Yes	Proactive Interface Error Input Packets Closed	The configured threshold has been exceeded for INPUT packets with errors being received by the interface.
Proactive Interface Error Output Packets	Threshold	Yes	Proactive Interface Error Output Packets Closed	The configured threshold has been exceeded for OUTPUT packets with errors being sent by the interface.
Proactive Interface Input Utilisation	Threshold	Yes	Proactive Interface Input Utilisation Closed	The configured interface INPUT utilisation threshold of the node has been exceeded.
Proactive Interface LOW Input Utilisation	Threshold	Yes	Proactive Interface LOW Input Utilisation Closed	The interface has very LOW INPUT utilisation.

Proactive Interface Output Utilisation	Threshold	Yes	Proactive Interface Output Utilisation Closed	The configured interface OUTPUT utilisation threshold of the node has been exceeded.
Proactive Interface LOW Output Utilisation	Threshold	Yes	Proactive Interface LOW Output Utilisation Closed	The interface has very LOW OUTPUT utilisation.
Proactive Memory Free	Threshold	Yes	Proactive Memory Free Closed	The available free memory is below the configured threshold.
Proactive Memory Utilisation	Threshold	Yes	Proactive Memory Utilisation Closed	The memory utilisation has exceeded the configured threshold.
Proactive Heap Utilisation	Threshold	Yes	Proactive Heap Utilisation Closed	The heap utilisation has exceeded the configured threshold.
Proactive Modem Utilisation	Threshold	Yes	Proactive Modem Utilisation Closed	The modems are being overused, and should probably be retired now.
Proactive Reachability	Threshold	Yes	Proactive Reachability Closed	The overall reachability of the node has fallen below the threshold.
Proactive Response Time	Threshold	Yes	Proactive Response Time Closed	The response time threshold of the node has been exceeded.
Proactive Temp	Threshold	Yes	Proactive Temp Closed	The configured threshold for temperature of the node has been exceeded.
RPS Fail	Fault	No	N/A	The redundant power supply has failed.
SNMP Down	Fault	Yes	SNMP Up	SNMP communication to the node has a problem.
Service Down	Fault	Yes	Service Up	A service NMIS is managing has failed to respond.