## **NMIS Event List**

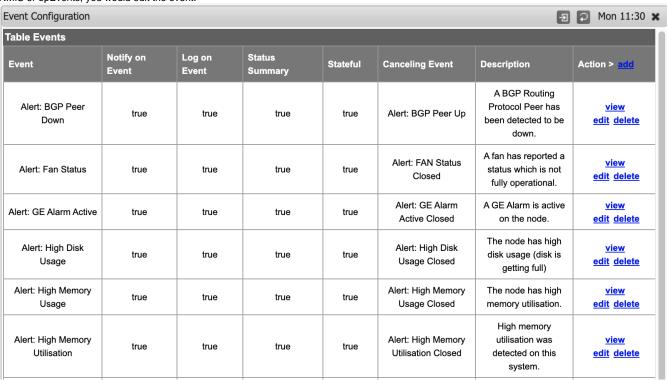
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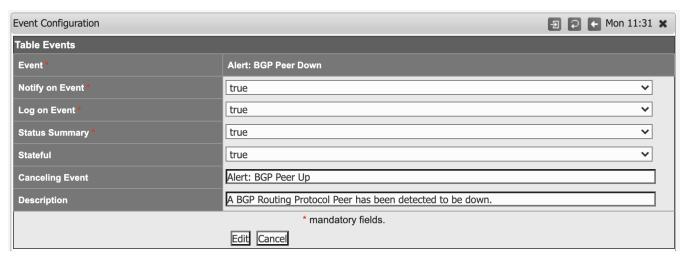
## **Event Configuration**

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.



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 List**

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

Event	Туре	Sta tef ul	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	Conf ig	No	N/A	A configuration change has been detected on this node.
Proactive Calls Utilisation	Thre shold	Yes	Proactive Calls Utilisation Closed	There are too many calls, and you need more lines.
Proactive CPU	Thre shold	Yes	Proactive CPU Closed	The configured CPU threshold of the node has been exceeded.
Proactive CPU User	Thre shold	Yes	Proactive CPU User Closed	The User CPU utilisation threshold has been exceeded.
Proactive CPU System	Thre shold	Yes	Proactive CPU System Closed	The System CPU utilisation threshold has been exceeded.
Proactive CPU IO Wait	Thre shold	Yes	Proactive CPU IO Wait Closed	The IO (Input/Output) Waiting for CPU threshold has been exceeded.
Proactive CPU Idle	Thre shold	Yes	Proactive CPU Idle Closed	The Idle CPU utilisation has fallen below the configured threshold.
Proactive Dead Modem	Thre shold	Yes	Proactive Dead Modem Closed	A modem is dead and probably should be put out to pasture.
Proactive Interface Availability	Thre shold	Yes	Proactive Interface Availability Closed	The configured interface availability threshold of the node has been exceeded.
Proactive Interface Discards Input Packets	Thre shold	Yes	Proactive Interface Discards Input Packets Closed	The configured threshold for INPUT packets being discarded by the interface.
Proactive Interface Discards Output Packets	Thre shold	Yes	Proactive Interface Discards Output Packets Closed	The configured threshold for OUTPUT packets being discarded by the interface.
Proactive Interface Error Input Packets	Thre shold	Yes	Proactive Interface Error Input Packets Closed	The configured threshold has been exceeded for INPUT packets with errors being received by the interface.
December Interfered For	Thre shold	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 Error Output Packets				
	Thre shold	Yes	Proactive Interface Input Utilisation Closed	The configured interface INPUT utilisation threshold of the node has been exceeded.

Proactive Interface Output Utilisation	Thre shold	Yes	Proactive Interface Output Utilisation Closed	The configured interface OUTPUT utilisation threshold of the node has been exceeded.
Proactive Interface LOW Output Utilisation	Thre shold	Yes	Proactive Interface LOW Output Utilisation Closed	The interface has very LOW OUTPUT utilisation.
Proactive Memory Free	Thre shold	Yes	Proactive Memory Free Closed	The available free memory is below the configured threshold.
Proactive Memory Utilisation	Thre shold	Yes	Proactive Memory Utilisation Closed	The memory utilisation has exceeded the configured threshold.
Proactive Heap Utilisation	Thre shold	Yes	Proactive Heap Utilisation Closed	The heap utilisation has exceeded the configured threshold.
Proactive Modem Utilisation	Thre shold	Yes	Proactive Modem Utilisation Closed	The modems are being overused, and should probably be retired now.
Proactive Reachability	Thre shold	Yes	Proactive Reachability Closed	The overall reachability of the node has has fallen below the threshold.
Proactive Response Time	Thre shold	Yes	Proactive Response Time Closed	The response time threshold of the node has been exceeded.
Proactive Temp	Thre shold	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.