



## **Threshold-Crossing Events Reference**

This reference lists the threshold-based events that UFM supports, each including a set of attributes listed below. You can view these messages through TBD. For details about configuring notifications for these events, refer to TBD.

- **Event ID:** Unique event identifier
- **Event Name:** Short description of the event
- **To log:** A flag which defines whether the event will be sent to UFM events log or not (1 or 0, respectively).
- **Alarm:** A flag which defines whether UFM alarm is generated when the specified event is triggered by UFM (1 means an alarm is generated). Alarms are used to allow a notification with significant indication.
- **Default Severity:** Indicates the alarm severity (Info, Warning, Minor, Critical)
- **Default Threshold:** Event dependent threshold (for example, event occurrence, counter threshold or temperature threshold).
- **Default TTL:** TTL (Alarm Time to Live) sets the time during which the alarm on the event is visible on UFM Web UI. TTL is defined in seconds. CAUTION: Setting the TTL to 0 makes the alarm permanent, meaning that the alarm does not disappear from the Web UI until cleared manually.
- **Related Object:** The object (context) to which the UFM event is related to (port, switch, gateway, grid, etc).
- **Category:** Indicates the category to which the event is related to.
- **Source:** Indicates the origin source of the specified event (SM, Telemetry, Licensing, UFM)

For information about defining event policy, see [Configuring Event Management](#).

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
64	GID Address In Service	1	0	Info	1	300	Port	Fabric Notification	SM
65	GID Address Out of Service	1	0	Warning	1	300	Port	Fabric Notification	SM
66	New MCast Group Created	1	0	Info	1	300	Port	Fabric Notification	SM
67	MCast Group Deleted	1	0	Info	1	300	Port	Fabric Notification	SM
110	Symbol Error	1	1	Warning	200	300	Port	Hardware	Telemetry
111	Link Error Recovery	1	1	Minor	1	300	Port	Hardware	Telemetry
112	Link Downed	1	1	Critical	1	300	Port	Hardware	Telemetry
113	Port Receive Errors	1	1	Minor	5	300	Port	Hardware	Telemetry
114	Port Receive Remote Physical Errors	0	0	Minor	5	300	Port	Hardware	Telemetry
115	Port Receive Switch Relay Errors	1	1	Minor	999	300	Port	Fabric Configuration	Telemetry
116	Port Xmit Discards	1	1	Minor	200	300	Port	Communication Error	Telemetry
117	Port Xmit Constraint Errors	1	1	Minor	200	300	Port	Communication	Telemetry

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								Error	
118	Port Receive Constraint Errors	1	1	Minor	200	300	Port	Communication Error	Telemetry
119	Local Link Integrity Errors	1	1	Minor	5	300	Port	Hardware	Telemetry
120	Excessive Buffer Overrun Errors	1	1	Minor	100	300	Port	Communication Error	Telemetry
121	VL15 Dropped	1	1	Minor	50	300	Port	Communication Error	Telemetry
122	Congested Bandwidth (%) Threshold Reached	1	1	Minor	10	300	Port	Hardware	Telemetry
123	Port Bandwidth (%) Threshold Reached	1	1	Minor	95	300	Port	Communication Error	Telemetry
130	Non-optimal link width	1	1	Minor	1	0	Port	Hardware	SM
134	T4 Port Congested Bandwidth	1	1	Warning	10	300	Port	Communication Error	Telemetry
141	Flow Control Update Watchdog Timer Expired	1	0	Warning	1	300	Port	Hardware	SM
144	Capability Mask Modified	1	0	Info	1	300	Port	Fabric Notification	SM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
145	System Image GUID changed	1	0	Info	1	300	Port	Communication Error	SM
156	Link Speed Enforcement Disabled	1	0	Critical	0	300	Site	Fabric Notification	SM
250	Running in Limited Mode	1	1	Critical	1	0	Grid	Maintenance	Licensing
251	Switching to Limited Mode	1	1	Critical	1	0	Grid	Maintenance	Licensing
252	License Expired	1	1	Warning	1	0	Grid	Maintenance	Licensing
253	Duplicated licenses	1	0	Critical	1	0	Grid	Maintenance	Licensing
254	License Limit Exceeded	1	0	Critical	1	0	Grid	Maintenance	Licensing
255	License is About to Expire	1	0	Warning	1	0	Grid	Maintenance	Licensing
256	Bad M_Key	1	0	Minor	1	300	Port	Security	SM
257	Bad P_Key	1	0	Minor	1	300	Port	Security	SM
258	Bad Q_Key	1	0	Minor	1	300	Port	Security	SM
259	Bad P_Key Switch External Port	1	0	Critical	1	300	Port	Security	SM
328	Link is Up	1	0	Info	1	0	Link	Fabric Topology	SM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
329	Link is Down	1	0	Warning	1	0	Site	Fabric Topology	SM
331	Node is Down	1	0	Warning	1	0	Site	Fabric Topology	SM
332	Node is Up	1	0	Info	1	300	Site	Fabric Topology	SM
336	Port Action Succeeded	1	0	Info	1	0	Port	Maintenance	UFM
337	Port Action Failed	1	0	Minor	1	0	Port	Maintenance	UFM
338	Device Action Succeeded	1	0	Info	1	0	Port	Maintenance	UFM
339	Device Action Failed	1	0	Minor	1	0	Port	Maintenance	UFM
344	Partial Switch ASIC Failure	1	1	Critical	1	0	Switch	Maintenance	UFM
370	Gateway Ethernet Link State Changed	1	0	Warning	1	0	Gateway	Gateway	SM
371	Gateway Reregister Event Received	1	0	Warning	1	0	Gateway	Gateway	SM
372	Number of Gateways Changed	1	0	Warning	1	0	Gateway	Gateway	SM
373	Gateway will be Rebooted	1	0	Warning	1	0	Gateway	Gateway	SM
374	Gateway Reloading Finished	1	0	Info	1	0	Gateway	Gateway	SM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
380	Switch Upgrade Error	1	1	Critical	1	0	Switch	Maintenance	UFM
381	Switch Upgrade Failed	1	0	Info	1	0	Switch	Maintenance	UFM
328	Module status NOT PRESENT	1	1	Warning	1	420	Switch	Module Status	UFM
383	Host Upgrade Failed	1	0	Info	1	0	Computer	Maintenance	UFM
384	Switch Module Powered Off	1	1	Info	1	420	Switch	Module Status	UFM
385	Switch FW Upgrade Started	1	0	Info	1	0	Switch	Maintenance	UFM
386	Switch SW Upgrade Started	1	0	Info	1	0	Switch	Maintenance	UFM
387	Switch Upgrade Finished	1	0	Info	1	0	Switch	Maintenance	UFM
388	Host FW Upgrade Started	1	0	Info	1	0	Computer	Maintenance	UFM
389	Host SW Upgrade Started	1	0	Info	1	0	Computer	Maintenance	UFM
391	Switch Module Removed	1	0	Info	1	0	Switch	Fabric Notification	Switch
392	Module Temperature Threshold Reached	1	0	Info	40	0	Module	Hardware	Switch
393	Switch Module Added	1	0	Info	1	0	Switch	Fabric Notification	Switch

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
394	Module Status FAULT	1	1	Critical	1	420	Switch	Module Status	Switch
395	Device Action Started	1	0	Info	1	0	Port	Maintenance	UFM
396	Site Action Started	1	0	Info	1	0	Port	Maintenance	UFM
397	Site Action Failed	1	0	Minor	1	0	Port	Maintenance	UFM
398	Switch Chip Added	1	0	Info	1	0	Switch	Fabric Notification	Switch
399	Switch Chip Removed	1	0	Critical	1	0	Switch	Fabric Notification	Switch
403	Device Pending Reboot	1	1	Warning	0	300	Device	Maintenance	UFM
404	System Information is missing	1	1	Warning	1	300	Switch	Communication Error	UFM
405	Switch Identity Validation Failed	1	1	Warning	1	300	Switch	Communication Error	UFM
406	Switch System Information is missing	1	1	Warning	1	300	Switch	Communication Error	UFM
407	COMEX Ambient Temperature Threshold Reached	1	1	Minor	60	300	Switch	Hardware	Switch
408	Switch is Unresponsive	1	1	Critical	1	300	Switch	Communication	UFM



Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								Error	
502	Device Upgrade Finished	1	0	Info	1	300	Device	Maintenance	UFM
506	Device Upgrade Finished	1	0	Info	1	300	Device	Maintenance	UFM
508	Core Dump Created	1	1	Info	1	300	Grid	Maintenance	UFM
510	SM Failover	0	1	Critical	1	300	Grid	Fabric Notification	SM
511	SM State Change	0	1	Info	1	300	Grid	Fabric Notification	SM
512	SM UP	0	1	Info	1	300	Grid	Fabric Notification	SM
513	SM System Log Message	0	1	Minor	1	300	Grid	Fabric Notification	SM
514	SM LID Change	0	1	Warning	1	300	Grid	Fabric Notification	SM
515	Fabric Health Report Info	1	1	Info	1	300	Grid	Fabric Notification	UFM
516	Fabric Health Report Warning	1	1	Warning	1	300	Grid	Fabric Notification	UFM
517	Fabric Health Report Error	1	1	Critical	1	300	Grid	Fabric Notification	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								ion	
518	UFM-related process is down	1	1	Critical	1	300	Grid	Maintenance	UFM
519	Logs purge failure	1	1	Minor	1	300	Grid	Maintenance	UFM
520	Restart of UFM-related process succeeded	1	1	Info	1	300	Grid	Maintenance	UFM
521	UFM is being stopped	1	1	Critical	1	300	Grid	Maintenance	UFM
522	UFM is being restarted	1	1	Critical	1	300	Grid	Maintenance	UFM
523	UFM failover is being attempted	1	1	Info	1	300	Grid	Maintenance	UFM
524	UFM cannot connect to DB	1	1	Critical	1	300	Grid	Maintenance	UFM
525	Disk utilization threshold reached	1	1	Critical	1	300	Grid	Maintenance	UFM
526	Memory utilization threshold reached	1	1	Critical	1	300	Grid	Maintenance	UFM
527	CPU utilization threshold reached	1	1	Critical	1	300	Grid	Maintenance	UFM
528	Fabric interface is down	1	1	Critical	1	300	Grid	Maintenance	UFM
529	UFM standby server problem	1	1	Critical	1	300	Grid	Maintenance	UFM
530	SM is down	1	1	Critical	1	300	Grid	Maintenance	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
531	DRBD Bad Condition	1	1	Critical	1	300	Grid	Maintenance	UFM
532	Remote UFM-SM Sync	1	1	Info	1	0	Grid	Maintenance	UFM
533	Remote UFM-SM problem	1	1	Critical	1	0	Site	Maintenance	UFM
535	MH Purge Failed	1	1	Warning	1	300	Grid	Maintenance	UFM
536	UFM Health Watchdog Info	1	1	Info	1	300	Grid	Maintenance	UFM
537	UFM Health Watchdog Critical	1	1	Critical	1	300	Grid	Maintenance	UFM
538	Time Diff Between HA Servers	1	1	Warning	1	300	Grid	Maintenance	UFM
539	DRBD TCP Connection Performance	1	1	Warning	1	900	Grid	Maintenance	UFM
540	Daily Report Completed successfully	1	0	Info	1	300	Grid	Maintenance	UFM
541	Daily Report Completed with Error	1	0	Minor	1	300	Grid	Maintenance	UFM
542	Daily Report Failed	1	0	Critical	1	300	Grid	Maintenance	UFM
543	Daily Report Mail Sent successfully	1	0	Info	1	300	Grid	Maintenance	UFM
544	Daily Report Mail Sent Failed	1	0	Minor	1	300	Grid	Maintenance	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
545	SM is not responding	1	1	Critical	1	300	Grid	Maintenance	UFM
560	User Connected							Security	UFM
561	User Disconnected							Security	UFM
602	UFM Server Failover	1	1	Critical	1	0	Site	Fabric Notification	UFM
603	Events Suppression	1	0	Critical	0	300	Site	Maintenance	UFM
604	Report Succeeded	1	1	Info	1	300	Grid	Maintenance	UFM
605	Report Failed	1	1	Critical	1	300	Grid	Maintenance	UFM
606	Correction Attempts Paused	1	0	Warning	1	0	Site	Fabric Notification	UFM
701	Non-optimal Link Speed	1	1	Minor	1	0	Port	Hardware	UFM
702	Unhealthy IB Port	1	1	Warning	1	0	Port	Hardware	SM
703	Fabric Collector Connected	1	0	Info	1	0	Grid	Maintenance	UFM
704	Fabric Collector Disconnected	1	1	Critical	1	0	Grid	Maintenance	UFM
750	High data retransmission count on port	1	1	Warning	500	1	Port	Hardware	SM
901	Fabric Configuration Started	0	1	Info	1	0	Grid	Fabric Notification	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								ion	
902	Fabric Configuration Completed	0	1	Info	1	0	Grid	Fabric Notification	UFM
903	Fabric Configuration Failed	0	1	Critical	1	0	Grid	Fabric Notification	UFM
904	Device Configuration Failure	0	1	Critical	1	0	Device	Fabric Notification	UFM
905	Device Configuration Timeout	0	1	Critical	1	0	Device	Fabric Notification	UFM
906	Provisioning Validation Failure	0	1	Critical	1	0	Grid	Fabric Notification	UFM
907	Switch is Down	1	1	Critical	1	0	Site	Fabric Topology	UFM
908	Switch is Up	1	1	Info	1	300	Site	Fabric Topology	UFM
909	Director Switch is Down	1	1	Critical	1	300	Site	Fabric Topology	UFM
910	Director Switch is Up	1	1	Info	1	0	Site	Fabric Topology	UFM
911	Module Temperature Low Threshold Reached	1	1	Warning	60	300	Module	Hardware	Telemetry

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
912	Module Temperature High Threshold Reached	1	1	Critical	60	300	Module	Hardware	Telemetry
913	Module High Voltage	1	1	Warning	10	420	Switch	Module Status	Telemetry
914	Module High Current	1	1	Warning	10	420	Switch	Module Status	Telemetry
915	BER_ERROR	1	1	Critical	1e-8	420	Port	Hardware	Telemetry
916	BER_WARNING	1	1	Warning	1e-13	420	Port	Hardware	Telemetry
917	SYMBOL_BER_ERROR	1	1	Critical	10	420	Port	Hardware	Telemetry
918	High Symbol BER reported	1	1	Warning	10	420	Port	Hardware	Telemetry
919	Cable Temperature High	1	1	Critical	0	0	Port	Hardware	Telemetry
920	Cable Temperature Low	1	1	Critical	0	0	Port	Hardware	Telemetry
1300	SM_SAKKEY_VIOLATION	1	1	Warning		5300	Port	Security	SM
1301	SM_SGID_SPOOFED	1	1	Warning		5300	Port	Security	SM
1302	SM_RATE_LIMIT_EXCEEDED	1	1	Warning		5300	Port	Security	SM
1303	SM_MULTICAST_GROUPS_LIMIT_EXCEEDED	1	1	Warning		5300	Port	Security	SM
1304	SM_SERVICES_LIMIT_EXCEEDED	1	1	Warning		5300	Port	Security	SM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1305	SM_EVENT_SUBSCRIPTION_LIMIT_EXCEEDED	1	1	Warning		5300	Port	Security	SM
1306	Unallowed SM was detected in the fabric	1	1	Warning	0	300	Port	Fabric Notification	SM
1307	SMInfo SET request was received from unallowed SM	1	1	Warning	0	300	Port	Fabric Notification	SM
1309	SM was detected with non-matching SMKey	1	1	Warning	0	300	Port	Fabric Notification	SM
1310	Duplicated node GUID was detected	1	1	Critical	1	0	Device	Fabric Notification	SM
1311	Duplicated port GUID was detected	1	1	Critical	1	0	Port	Fabric Notification	SM
1312	Switch was Rebooted	1	1	Info	1	0	Device	Fabric Notification	UFM
1315	Topo Config File Error	1	1	Critical	1	0	Grid	Fabric Notification	UFM
1316	Topo Config Subnet Mismatch	1	1	Critical	1	0	Grid	Fabric Notification	Topo diff
1400	High Ambient Temperature	1	1	Warning	0	86400	Switch	Hardware	Switch
1401	High Fluid Temperature	1	1	Warning	0	86400	Switch	Hardware	Switch

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1402	Low Fluid Level	1	1	Warning	0	86400	Switch	Hardware	Switch
1403	Low Supply Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1404	High Supply Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1405	Low Return Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1406	High Return Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1407	High Differential Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1408	Low Differential Pressure	1	1	Warning	0	86400	Switch	Hardware	Switch
1409	System Fail Safe	1	1	Warning	0	86400	Switch	Hardware	Switch
1410	Fault Critical	1	1	Critical	0	86400	Switch	Hardware	Switch
1411	Fault Pump1	1	1	Critical	0	86400	Switch	Hardware	Switch
1412	Fault Pump2	1	1	Critical	0	86400	Switch	Hardware	Switch
1413	Fault Fluid Level Critical	1	1	Critical	0	86400	Switch	Hardware	Switch
1414	Fault Fluid Over Temperature	1	1	Critical	0	86400	Switch	Hardware	Switch
1415	Fault Primary DC	1	1	Critical	0	86400	Switch	Hardware	Switch



Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1416	Fault Redundant DC	1	1	Critical	0	86400	Switch	Hardware	Switch
1417	Fault Fluid Leak	1	1	Critical	0	86400	Switch	Hardware	Switch
1418	Fault Sensor Failure	1	1	Critical	0	86400	Switch	Hardware	Switch
1419	Cooling Device Monitoring Error	1	0	Critical	0	1	Grid	Hardware	Switch
1420	Cooling Device Communication Error	1	1	Critical	0	86400	Switch	Hardware	Switch
1500	New cable detected	1	0	Info	1	0	Link	Security	UFM
1502	Cable detected in a new location	1	0	Warning	1	0	Link	Security	UFM
1503	Duplicate Cable Detected	1	0	Critical	1	0	Link	Security	UFM
1315	Topo Config File Error	1	1	Critical	1	0	Grid	Fabric Notification	UFM
1504	SHARP Allocation Succeeded	1	1	Info	1	0	Grid	SHARP	SHARP
1505	SHARP Allocation Failed	1	0	Warning	1	0	Grid	SHARP	SHARP
1506	SHARP Deallocation Succeeded	1	0	Info	1	0	Grid	SHARP	SHARP
1507	SHARP Deallocation Failed	1	0	Warning	1	0	Grid	SHARP	SHARP
1508	Device Collect System Dump Started	1	0	Info	1	300	Device	Maintenance	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1509	Device Collect System Dump Finished	1	0	Info	1	300	Device	Maintenance	UFM
1510	Device Collect System Dump Error	1	0	Critical	1	300	Device	Maintenance	UFM
1511	Virtual Port Added	1	0	Info	1	0	Port	Fabric Notification	SM
1512	Virtual Port Removed	1	0	Warning	1	0	Port	Fabric Notification	SM
1513	Burn Cables Transceivers Started	1	0	Info	1	0	Device	Maintenance	UFM
1514	Burn Cables Transceivers Finished	1	0	Info	1	0	Device	Maintenance	UFM
1515	Burn Cables Transceivers Failed	1	0	Warning	1	0	Device	Maintenance	UFM
1516	Activate Cables Transceivers FW Finished	1	0	Info	1	0	Device	Maintenance	UFM
1517	Activate Cables Transceivers FW Failed	1	0	Warning	1	0	Device	Maintenance	UFM
1520	Aggregation Node Discovery Failed	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1521	Job Started	1	0	Info	1	0	SHARP AM	SHARP	SHARP
1522	Job Ended	1	0	Info	1	0	SHARP AM	SHARP	SHARP
1523	Job Start Failed	1	0	Critical	1	0	SHARP AM	SHARP	SHARP

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1524	Job Error	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1525	Trap QP Error	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1526	Trap Invalid Request	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1527	Trap Sharp Error	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1528	Trap QP Alloc timeout	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1529	Trap AMKey Violation	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1530	Unsupported Trap	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1531	Reservation Updated	1	0	Info	1	0	SHARP AM	SHARP	SHARP
1532	Sharp is not Responding	1	0	Critical	1	0	SHARP AM	SHARP	SHARP
1533	Agg Node Active	1	0	Info	1	0	SHARP AM	SHARP	SHARP
1534	Agg Node Inactive	1	0	Warning	1	0	SHARP AM	SHARP	SHARP
1535	Trap AMKey Violation Triggered by AM	1	0	Warning	1	0	SHARP AM	SHARP	SHARP
1550	Guids Were Added to Pkey	1	0	Info	1	0	Port	Fabric Notification	UFM
1551	Guids Were Removed from Pkey	1	0	Info	1	0	Port	Fabric Notification	UFM

Event ID	Event Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								ion	
1600	VS/CC Classes Key Violation							Security	SM
1602	PCI Speed Degradation Warning	1	1	Warning	1	0	Port	Fabric Notification	UFM
1603	PCI Width Degradation Warning	1	1	Warning	1	0	Port	Fabric Notification	UFM

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