



Appendix - Supported Port Counters and Events

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InfiniBand Port Counters

Supported Traps and Events

Port counters and events are available in the following views:

- Events and Port Counters area, at the bottom of the UFM window
- Error window (Error tab) in the Manage Devices tab
- In the New Monitoring Session window, in the Monitor tab, when clicking Create New Session
- Event Log in the Log tab (click Show Event Log)

InfiniBand Port Counters

The following tables list and describe the port counters and events currently supported:

- InfiniBand Port Counters
- Calculated Port Counters

<i>InfiniBand Port Counters</i>	
Counter	Description
Xmit Data (in bytes)	Total number of data octets, divided by 4, transmitted on all VLs from the port, including all octets between (and not including) the start of packet delimiter and the VCRC, and may include packets containing errors. All link packets are excluded. Results are reported as a multiple of four octets.
Rcv Data (in bytes)	Total number of data octets, divided by 4, received on all VLs at the port. All octets between (and not including) the start of packet delimiter and the VCRC are excluded and may include packets containing errors. All link packets are excluded. When the received packet length exceeds the maximum allowed packet length specified in C7-45: the counter may include all data octets exceeding this limit. Results are reported as a multiple of four octets.
Xmit Packets	Total number of packets transmitted on all VLs from the port, including packets with errors and excluding link packets.
Rcv Packets	Total number of packets, including packets containing errors and excluding link packets, received from all VLs on the port.

<i>InfiniBand Port Counters</i>	
Rcv Errors	<p>Total number of packets containing errors that were received on the port including:</p> <ul style="list-style-type: none"> • Local physical errors (ICRC, VCRC, LPCRC, and all physical errors that cause entry into the BAD PACKET or BAD PACKET DISCARD states of the packet receiver state machine) • Malformed data packet errors (LVer, length, VL) • Malformed link packet errors (operand, length, VL) • Packets discarded due to buffer overrun (overflow)
Xmit Discards	<p>Total number of outbound packets discarded by the port when the port is down or congested for the following reasons:</p> <ul style="list-style-type: none"> • Output port is not in the active state • Packet length has exceeded NeighborMTU • Switch Lifetime Limit exceeded • Switch HOQ Lifetime Limit exceeded, including packets discarded while in VLStalled State.
Symbol Errors	Total number of minor link errors detected on one or more physical lanes.
Link Error Recovery	Total number of times the Port Training state machine has successfully completed the link error recovery process.
Link Error Downed	Total number of times the Port Training state machine has failed the link error recovery process and downed the link.
Local Integrity Error	The number of times that the count of local physical errors exceeded the threshold specified by LocalPhyErrors
Rcv Remote Physical Error	Total number of packets marked with the EBP delimiter received on the port.

<i>InfiniBand Port Counters</i>	
Xmit Constraint Error	Total number of packets not transmitted from the switch physical port for the following reasons: <ul style="list-style-type: none"> • FilterRawOutbound is true and packet is raw • PartitionEnforcementOutbound is true and packet fails partition key check or IP version check
Rcv Constraint Error	Total number of packets received on the switch physical port that are discarded for the following reasons: <ul style="list-style-type: none"> • FilterRawInbound is true and packet is raw • PartitionEnforcementInbound is true and packet fails partition key check or IP version check
Excess Buffer Overflow Error	The number of times that OverrunErrors consecutive flow control update periods occurred, each having at least one overrun error
Rcv Switch Relay Error	Total number of packets received on the port that were discarded when they could not be forwarded by the switch relay for the following reasons: <ul style="list-style-type: none"> • DLID mapping • VL mapping • Looping (output port = input port)
VL15 Dropped	Number of incoming VL15 packets dropped because of resource limitations (e.g., lack of buffers) in the port
XmitWait	The number of ticks during which the port selected by PortSelect had data to transmit but no data was sent during the entire tick because of insufficient credits or of lack of arbitration.

<i>InfiniBand Calculated Port Counters</i>	
Counter	Description
Normalized XmitData	Effective port bandwidth utilization in % XmitData incremental/ Link Capacity

InfiniBand Calculated Port Counters

Normalized Congested Bandwidth	Amount of bandwidth that was suppressed due to congestion (XmitWait incremental/ Time) * Link Capacity Separate counters are used for Tier 4 ports and for the rest of the ports.
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Supported Traps and Events

Device events are listed as VDM or CDM in the Source column of the Events table in the UFM GUI. For information about defining event policy, see [Configuring Event Management](#).

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
64	GID Address In Service	1	0	Info	1	0	Port	Fabric Notification	SM
65	GID Address Out of Service	1	0	Warning	1	0	Port	Fabric Notification	SM
66	New MCast Group Created	1	0	Info	1	0	Port	Fabric Notification	SM
67	MCast Group Deleted	1	0	Info	1	0	Port	Fabric Notification	SM
110	Symbol Error	1	1	Warning	200	0	Port	Hardware	Telemetry
111	Link Error Recovery	1	1	Minor	1	0	Port	Hardware	Telemetry
112	Link Downed	1	1	Critical	0	0	Port	Hardware	Telemetry

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
113	Port Receive Errors	1	1	Minor	5	0	Port	Hardware	Telemetry
114	Port Receive Remote Physical Errors	0	0	Minor	5	0	Port	Hardware	Telemetry
115	Port Receive Switch Relay Errors	1	1	Minor	50	0	Port	Fabric Configuration	Telemetry
116	Port Xmit Discards	1	1	Minor	200	0	Port	Communication Error	Telemetry
117	Port Xmit Constraint Errors	1	1	Minor	1	0	Port	Communication Error	Telemetry
118	Port Receive Constraint Errors	1	1	Minor	1	0	Port	Communication Error	Telemetry
119	Local Link Integrity Errors	1	1	Minor	5	0	Port	Hardware	Telemetry
120	Excessive Buffer Overrun Errors	1	1	Minor	1	0	Port	Communication Error	Telemetry
121	VL15 Dropped	1	1	Minor	500	0	Port	Communication Error	Telemetry
122	Congested Bandwidth (%) Threshold Reached	1	1	Minor	10	0	Port	Hardware	Telemetry
123	Port Bandwidth (%) Threshold Reached	1	1	Minor	95	0	Port	Communication Error	Telemetry

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
130	Non-optimal link width	1	1	Minor	1	0	Port	Hardware	SM
134	T4 Port Congested Bandwidth	1	1	Warning	10	0	Port	Communication Error	Telemetry
141	Flow Control Update Watchdog Timer Expired	1	0	Warning	1	0	Port	Hardware	SM
144	Capability Mask Modified	1	0	Info	1	0	Port	Fabric Notification	SM
145	System Image GUID changed	1	0	Info	1	0	Port	Communication Error	SM
156	Link Speed Enforcement Disabled	1	0	Critical	0	0	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	0	Port	Security	SM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
257	Bad P_Key	1	0	Minor	1	0	Port	Security	SM
258	Bad Q_Key	1	0	Minor	1	0	Port	Security	SM
259	Bad P_Key Switch External Port	1	0	Critical	1	0	Port	Security	SM
328	Link is Up	1	1	Info	1	10	Link	Fabric Topology	SM
329	Link is Down	1	1	Warning	1	10	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	0	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
352	Network Added	1	0	Info	1	0	Network	Logical Model	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
353	Network Removed	1	0	Info	1	0	Network	Logical Model	UFM
380	Switch Upgrade Error	1	1	Critical	1	0	Switch	Maintenance	UFM
381	Switch Upgrade Failed	1	0	Info	1	0	Switch	Maintenance	UFM
382	Module status NOT PRESENT	1	1	Warning	1	0	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	0	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 OFED 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	60	0	Module	Hardware	Switch

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
393	Switch Module Added	1	0	Info	1	0	Switch	Fabric Notification	Switch
394	Module Status FAULT	1	1	Critical	1	0	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	0	Device	Maintenance	UFM
404	System Information is missing	1	1	Warning	1	0	Switch	Communication Error	UFM
405	Switch Identity Validation Failed	1	1	Warning	1	0	Switch	Communication Error	UFM
406	Switch System Information is missing	1	1	Warning	1	0	Switch	Communication Error	UFM
407	COMEX Ambient Temperature	1	1	Minor	60	0	Switch	Hardware	Switch

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

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
								tion	
517	Fabric Health Report Error	1	1	Critical	1	0	Grid	Fabric Notification	UFM
518	UFM-related process is down	1	1	Critical	1	0	Grid	Maintenance	UFM
519	Logs purge failure	1	1	Minor	1	0	Grid	Maintenance	UFM
520	Restart of UFM-related process succeeded	1	1	Info	1	0	Grid	Maintenance	UFM
521	UFM is being stopped	1	1	Critical	1	0	Grid	Maintenance	UFM
522	UFM is being restarted	1	1	Critical	1	0	Grid	Maintenance	UFM
523	UFM failover is being attempted	1	1	Info	1	0	Grid	Maintenance	UFM
524	UFM cannot connect to DB	1	1	Critical	1	0	Grid	Maintenance	UFM
525	Disk utilization threshold reached	1	1	Critical	1	0	Grid	Maintenance	UFM
526	Memory utilization threshold reached	1	1	Critical	1	0	Grid	Maintenance	UFM
527	CPU utilization threshold reached	1	1	Critical	1	0	Grid	Maintenance	UFM
528	Fabric interface is down	1	1	Critical	1	0	Grid	Maintenance	UFM
529	UFM standby server problem	1	1	Critical	1	0	Grid	Maintenance	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
530	SM is down	1	1	Critical	1	0	Grid	Maintenance	UFM
531	DRBD Bad Condition	1	1	Critical	1	0	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
536	UFM Health Watchdog Info	1	1	Info	1	0	Grid	Maintenance	UFM
537	UFM Health Watchdog Critical	1	1	Critical	1	0	Grid	Maintenance	UFM
538	Time Diff Between HA Servers	1	1	Warning	1	0	Grid	Maintenance	UFM
539	DRBD TCP Connection Performance	1	1	Warning	1	0	Grid	Maintenance	UFM
540	Daily Report Completed successfully	1	0	Info	1	0	Grid	Maintenance	UFM
541	Daily Report Completed with Error	1	0	Minor	1	0	Grid	Maintenance	UFM
542	Daily Report Failed	1	0	Critical	1	0	Grid	Maintenance	UFM
543	Daily Report Mail Sent successfully	1	0	Info	1	0	Grid	Maintenance	UFM
544	Daily Report Mail Sent Failed	1	0	Minor	1	0	Grid	Maintenance	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
545	SM is not responding	1	1	Critical	1	0	Grid	Maintenance	UFM
546	Management interface is down	1	1	Critical	1	0	Grid	Maintenance	UFM
547	UFM stopped polling SM for updates	1	1	Critical	1	0	Grid	Maintenance	UFM
548	Failed to run generic script test	1	1	Critical	1	0	Grid	Maintenance	UFM
551	General External Event Notification	1	0	Info	0	0	Grid	Maintenance	UFM
552	General External Event Notice	1	0	Minor	0	0	Grid	Maintenance	UFM
553	General External Event Alert	1	0	Warning	0	0	Grid	Maintenance	UFM
554	General External Event Error	1	0	Critical	0	0	Grid	Maintenance	UFM
560	User Connected	1	0	Info	1	0	Grid	Security	UFM
561	User Disconnected	1	0	Info	1	0	Grid	Security	UFM
602	UFM Server Failover	1	1	Critical	1	0	Site	Fabric Notification	UFM
603	Events Suppression	1	0	Critical	0	0	Site	Maintenance	UFM
604	Report Succeeded	1	1	Info	1	0	Grid	Maintenance	UFM
605	Report Failed	1	1	Critical	1	0	Grid	Maintenance	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
606	Correction Attempts Paused	1	0	Warning	1	0	Site	Fabric Notification	UFM
610	Monitoring History Enabled	1	0	Info	1	0	Grid	Maintenance	UFM
611	Monitoring History Disabled	1	0	Info	1	0	Grid	Maintenance	UFM
612	Monitoring History Bad Connection	1	1	Critical	1	0	Grid	Maintenance	UFM
613	Monitoring History Connection Established	1	0	Info	1	0	Grid	Maintenance	UFM
614	Monitoring History Inconsistent Version	1	1	Critical	1	0	Grid	Maintenance	UFM
615	Monitoring History Failed save metadata	1	1	Critical	1	0	Grid	Maintenance	UFM
616	Monitoring History Failed update metadata	1	1	Critical	1	0	Grid	Maintenance	UFM
617	Monitoring History Failed save data	1	1	Critical	1	0	Grid	Maintenance	UFM
618	Monitoring History Failed get metadata	1	1	Critical	1	0	Grid	Maintenance	UFM
619	Monitoring History Failed get data	1	1	Critical	1	0	Grid	Maintenance	UFM
620	Monitoring History Failed remove file	1	1	Critical	1	0	Grid	Maintenance	UFM
621	Monitoring History version not matches	1	1	Critical	1	0	Grid	Maintenance	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
	UFM version								
622	Monitoring History Purge DB Occurred	1	1	Warning	1	0	Grid	Maintenance	UFM
623	Monitoring History Migration is not completed	1	1	Warning	1	0	Grid	Maintenance	UFM
624	Monitoring History partition utilization threshold reached	1	1	Critical	1	0	Grid	Maintenance	UFM
625	Monitoring History local report files are about to be cleaned	1	0	Info	1	0	Grid	Maintenance	UFM
626	Monitoring History oldest DB table is about to be removed	1	0	Info	1	0	Grid	Maintenance	UFM
627	Monitoring History partition is not mounted	1	0	Critical	1	0	Grid	Maintenance	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	0	Port	Hardware	SM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
901	Fabric Configuration Started	0	1	Info	1	0	Grid	Fabric Notification	UFM
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	0	Site	Fabric Topology	UFM
909	Director Switch is Down	1	1	Critical	1	0	Site	Fabric Topology	UFM
910	Director Switch is Up	1	1	Info	1	0	Site	Fabric Topology	UFM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
911	Module Temperature Low Threshold Reached (Unmanaged IB switches only)	1	1	Warning	0	0	Module	Hardware	Telemetry
912	Module Temperature High Threshold Reached (Unmanaged IB switches only)	1	1	Critical	60	0	Module	Hardware	Telemetry
913	Module High Voltage	1	1	Warning	15	0	Switch	Module Status	Telemetry
914	Module High Current	1	1	Warning	10	0	Switch	Module Status	Telemetry
915	Critical BER reported	1	1	Critical	10	0	Port	Hardware	Telemetry
916	High BER reported	1	1	Warning	10	0	Port	Hardware	Telemetry
917	Critical Symbol BER reported	1	1	Critical	10	0	Port	Hardware	Telemetry
918	High Symbol BER reported	1	1	Warning	10	0	Port	Hardware	Telemetry
919	Cable Temperature High	1	1	Critical	1	0	Port	Hardware	UFM
920	Cable Temperature Low	1	1	Critical	1	0	Port	Hardware	UFM
1300	SA Key violation	1	1	Warning	5	0	Port	Security	SM
1301	SGID Spoofed	1	1	Warning	5	0	Port	Security	SM

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1302	SA High Rate detected	1	1	Warning	5	0	Port	Security	SM
1303	Multicast subscriptions over limit	1	1	Warning	5	0	Port	Security	SM
1304	Service Record subscriptions over limit	1	1	Warning	5	0	Port	Security	SM
1305	Event subscriptions over limit	1	1	Warning	5	0	Port	Security	SM
1306	Unallowed SM was detected in the fabric	1	1	Warning	0	0	Port	Fabric Notification	SM
1307	SMInfo SET request was received from unallowed SM	1	1	Warning	0	0	Port	Fabric Notification	SM
1309	SM was detected with non-matching SMKey	1	1	Warning	0	0	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

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1316	Topo Config Subnet Mismatch	1	1	Critical	1	0	Grid	Fabric Notification	Topodiff
1400	High Ambient Temperature	1	1	Warning	0	0	Switch	Hardware	Switch
1401	High Fluid Temperature	1	1	Warning	0	0	Switch	Hardware	Switch
1402	Low Fluid Level	1	1	Warning	0	0	Switch	Hardware	Switch
1403	Low Supply Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1404	High Supply Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1405	Low Return Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1406	High Return Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1407	High Differential Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1408	Low Differential Pressure	1	1	Warning	0	0	Switch	Hardware	Switch
1409	System Fail Safe	1	1	Warning	0	0	Switch	Hardware	Switch
1410	Fault Critical	1	1	Critical	0	0	Switch	Hardware	Switch
1411	Fault Pump1	1	1	Critical	0	0	Switch	Hardware	Switch
1412	Fault Pump2	1	1	Critical	0	0	Switch	Hardware	Switch

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1413	Fault Fluid Level Critical	1	1	Critical	0	0	Switch	Hardware	Switch
1414	Fault Fluid Over Temperature	1	1	Critical	0	0	Switch	Hardware	Switch
1415	Fault Primary DC	1	1	Critical	0	0	Switch	Hardware	Switch
1416	Fault Redundant DC	1	1	Critical	0	0	Switch	Hardware	Switch
1417	Fault Fluid Leak	1	1	Critical	0	0	Switch	Hardware	Switch
1418	Fault Sensor Failure	1	1	Critical	0	0	Switch	Hardware	Switch
1419	Cooling Device Monitoring Error	1	0	Critical	0	0	Grid	Hardware	Switch
1420	Cooling Device Communication Error	1	1	Critical	0	0	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
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

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
1507	SHARP Deallocation Failed	1	0	Warning	1	0	Grid	SHARP	SHARP
1508	Device Collect System Dump Started	1	0	Info	1	0	Device	Maintenance	UFM
1509	Device Collect System Dump Finished	1	0	Info	1	0	Device	Maintenance	UFM
1510	Device Collect System Dump Error	1	0	Critical	1	0	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

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
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
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

Alarm ID	Alarm Name	To Log	Alarm	Default Severity	Default Threshold	Default TTL	Related Object	Category	Source
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
1600	VS/CC Classes Key Violation	1	0	Warning	1	0	Port	Security	SM
1601	Tenant Access Violation	1	0	Warning	1	0	Port	Security	SM
1602	PCI Speed Degradation Warning	1	1	Critical	1	0	Port	Fabric Notification	UFM
1603	PCI Width Degradation Warning	1	1	Critical	1	0	Port	Fabric Notification	UFM
1604	Non-optimal aggregated port bandwidth	1	1	Warning	1	0	Port	Hardware	UFM

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