Data ONTAP® 7.3 Event-triggered Autosupport messages

The following table provides a complete list of AutoSupport messages for Data ONTAP 7.3 release family. Some messages may not apply to all versions.

Event: Subject line of Autosupport email message	Description	Message Severity	Frequency of message
BATTERY_LOW	The NVRAM battery is low.	Warning	Hourly
BMC_EVENT: BUS ERROR	A Baseboard Management Controller event has been detected.	Warning	One Time
BMC_EVENT: POST ERROR	A Baseboard Management Controller event has been detected (post).	Warning	One Time
CHASSIS FAN FRU DEGRADED: %s	Chassis fan is degraded and may need to be replaced.	Notice	Daily
CHASSIS FAN FRU FAILED: %s	Chassis fan has failed and needs to be replaced.	Notice	Daily
CHASSIS OVER TEMPERATURE SHUTDOWN	Message is sent right before shutdown to indicate that chassis temperature is too high.	Critical	One Time
CHASSIS POWER DEGRADED: %s	Degraded power: caused by bad power supplies, bad wall power, or bad components on the motherboard.	Notice	Daily
CHASSIS POWER SHUTDOWN	The appliance will shutdown imminently due to low power.	Alert	Daily
CHASSIS POWER SUPPLY DEGRADED: PS %d	Power supply may need to be replaced.	Notice	Daily
CHASSIS POWER SUPPLY FAIL: PS %d	One PSU has failed and may need to be replaced.	Critical	Daily
CHASSIS UNDER TEMPERATURE	Chassis temperature is too low; appliance environment should be reviewed.	Alert	Daily
CHASSIS UNDER TEMPERATURE SHUTDOWN	Message is sent right before shutdown to indicate that chassis temperature is too low.	Critical	One Time
CHECK REMOTE MANAGEMENT CONTROLLER'S INTERNAL CABLE	RMC's internal cable has been disconnected.	Error	One Time
CLUSTER DOWNREV BOOT FIRMWARE	Open Firmware (OFM) version is outdated.	Warning	One Time

CLUSTER ERROR: DISK/SHELF COUNT MISMATCH	Cluster takeover was configured incorrectly (e.g. mis-matched number of disks, bad wiring, bad adapter, bad loop, bad cable, etc.)	Error	One Time
CLUSTER TAKEOVER	HA takeover has started. Message is generated by the node being taken over.	Informational	One Time
CLUSTER TAKEOVER COMPLETE	HA takeover was successful. The takeover could be automatic (i.e. other node died) or manual.	Alert	One Time
CLUSTER TAKEOVER COMPLETE AUTOMATIC	Automatic takeover of cluster partner was successful.	Error	One Time
CLUSTER TAKEOVER COMPLETE MANUAL	Manual takeover of cluster partner was successful.	Informational	One Time
CLUSTER TAKEOVER FAILED	Takeover of cluster partner has failed.	Critical	One Time
CONFIGURATION_ERROR	Fibre Channel disk shelf configuration error has occurred.	Warning	Hourly
CPU FAN FAIL: CPU %d	CPU fan has failed and needs to be replaced.	Error	One Time
CPU FAN WARNING - CPU %d FAN SPINNING TOO SLOW	CPU fan is spinning below the normal speed.	Warning	Hourly
CPU FAN WARNING: CPU %d	CPU fan is either spinning too fast or too slow.	Alert	Daily
CSERTL (asup_check excessive checksum errors)	"Checksum" has matched a predefined pattern or has exceed predefined threshold.	Warning	Daily
Cluster Notification (CHECKSUM ERROR (multiple disks)) CRITICAL	The system may have data corruption problem.	Critical	Daily
DAFS VI NIC HALTED - DAFS SERVICE MAY BE INACCESSIBLE	A DAFS NIC has failed.	Error	One Time
DEVICE_QUALIFICATION_FAILED	A device qualification error has occurred.	Error	One Time
DISK BAD LABEL	A disk of undetermined type (volume or hot spare) has failed due to unexpected RAID metadata.	Error	One Time
DISK BAD LABEL VERSION	A disk of undetermined type (data or spare) has failed due to an inconsistent version number between its RAID metadata and Data ONTAP version installed on this system.	Error	One Time
DISK FAILED	A disk has failed.	Warning	One Time
DISK INIT FAILED	Disk failed to initialize.	Warning	One Time

DISK LABELLED BROKEN	A disk has been labeled "broken".	Warning	One Time
DISK MISSING	A disk is missing; disk is not seen in loop.	Warning	One Time
DISK NOT RESPONDING	A disk is not responding.	Warning	One Time
DISK RAWSIZE SHRANK	A disk of undetermined type (volume or hot spare) has failed because its raw capacity has been downsized during firmware change.	Error	One Time
DISK SCRUB CHECKSUM ERROR	The weekly scheduled disk scrub has detected checksum errors.	Error	One Time
DISK SCRUB PARITY INCONSISTENCY	Disk Scrub has detected parity inconsistencies.	Error	One Time
DISK_FAIL	Disk failure in a RAID group; storage system is running in a degraded mode with no redundancy.	Alert	One Time
DISK_FAIL - Bypassed by ESH	A disk failure has occurred, and the Embedded Switched Hub has removed the disk from the loop electronically.	Warning	One Time
DISK_FAILURE_PREDICTED	Storage Health Monitor has detected that a disk fail is about to occur.	Warning	One Time
DISK_FIRMWARE_NEEDED_UPDATE	Disk driver subsystem has detected an outdated disk firmware.	Error	Hourly
DISK_IO_DEGRADED	Storage Health Monitor has detected that disk I/O operations are taking too long to complete.	Warning	One Time
DISK_LOW_THRUPUT	Storage Health Monitor has detected low disk throughput.	Notice	One Time
DISK_RECOVERED_ERRORS	Storage Health Monitor has detected a SCSI sense error.	Warning	One Time
DISK_SCRUB	Disk Scrub has found and fixed disk-related errors caused by parity inconsistencies, media errors, or checksum errors.	Critical	One Time
DAFS VI NIC HALTED - DAFS SERVICE MAY BE INACCESSIBLE	A DAFS NIC has failed.	Error	One Time
DISK_SCRUB	Disk Scrub has found and fixed disk-related errors caused by parity inconsistencies, media errors, or checksum errors.	Critical	One Time

DOWN APPLIANCE	SupportConsole (SC100B) reported that an appliance has gone down.	Emergency	One Time
Exceeded maximum raw capacity	Maximum raw capacity of the file system has been reached.	Critical	Hourly
FAN_FAIL	CPU fan in the Filer chassis has failed, or one of the multiple redundant Filer chassis fans has failed.	Error	Hourly
FC-AL LINK_FAILURE	Fibre channel arbitrated loop has link failures.	Error	One Time
FC-AL RECOVERABLE ERRORS	The fibre channel arbitrated loop has been determined to be unreliable. The link errors are recoverable in the sense that the system is still up and running.	Error	One Time
FCP PARTNER PATH MISCONFIGURED	FCP proxy may have been misconfigured.	Error	One Time
FILER SCSI TARGET MISCONFIGURED	LUN mapping or igroup type misconfiguration has been detected.	Error	Daily
FILESYSTEM DISK BAD LABEL	A file system disk has failed due to unexpected RAID metadata.	Error	One Time
FILESYSTEM DISK BAD LABEL VERSION	A file system disk has failed due to inconsistent version number between its RAID metadata and Data ONTAP version installed on this system.	Error	One Time
FILESYSTEM DISK FAILED	A file system disk has failed.	Warning	One Time
FILESYSTEM DISK MISSING	A file system disk is missing.	Informational	One Time
FILESYSTEM DISK NOT RESPONDING	A file system disk is not responding.	Warning	One Time
FILESYSTEM DISK RAWSIZE SHRANK	A volume disk has failed because its raw capacity has been downsized during firmware change.	Critical	One Time
FXDISK (asup_check fix disk)	One of the three possible "fix disk" errors has occured: high error count, broken, or medium error.	Warning	Daily
FXLOOP (asup_check fix loop)	A loop has at least two disks, and the number of active disks on the loop reporting non-media errors equals or exceeds the number of disks on the loop.	Critical	Daily

HOST_PORT_FAIL - Bypassed by ESH	A host port has been bypassed due to some reason.	Critical	
HOST_PORT_FAIL - Disabled by IOM	A host port has been disabled due to some reason.	Critical	
MEDIUM ERROR DURING RECONSTRUCTION (volume restricted)	A medium error occurred during reconstruction. The aggregate or volume is restricted, and the reconstruction will bypass media errors.	Warning	One Time
MEDIUM ERROR DURING RECONSTRUCTION (wafliron started)	A medium error occurred during reconstruction. Wafliron was started, and the reconstruction proceeded bypassing media errors.	Warning	One Time
MOTHER BOARD VOLTAGE FAILURE	At least one motherboard voltage sensor is detecting a voltage outside the safe operational range.	Critical	One Time
MOVCRD (asup_check move card)	Current card and slot combinations may cause data corruption.	Warning	Daily
MULTIPLE FAN FAILURE	Multiple fans in the Filer have failed.	Critical	One Time
NVMEM VOLTAGE HIGH	NVRAM supply voltage is high.	Alert	
NVMEM VOLTAGE LOW	NVRAM supply voltage is low.	Alert	
OUT OF INODES	The file system is out of inodes.	Error	Hourly
OVER_TEMPERATURE_SHUTDOWN	A filer shutdown has occurred due to overheating.	Critical	One Time
OVER_TEMPERATURE_WARNING	The system temperature is too high but it is still within operational range.	Error	One Time
PARTNER DOWN, TAKEOVER IMPOSSIBLE	Cluster partner is down; cluster takeover cannot begin.	Error	One Time
POSSIBLE BAD RAM	Correctable ECC errors are masked off. This is an indicator of bad memory, poorly seated memory, or faulty motherboard.	Warning	Daily
POWER SUPPLY OVER CURRENT SHUTDOWN	An over current situation has occurred. The system has been shut down.	Critical	One Time
POWER SUPPLY OVER VOLTAGE CRITICAL	Power supply output voltage is above the normal operational range.	Critical	One Time
POWER_SUPPLY_FAIL ()	The power supply has failed, and the system is shutting down (failed mode).	Warning	One Time

PS #1(2) Failed POWER_SUPPLY_DEGRADED	Partial redundant power supply (RPS) failure occurred. One of the two power supplies has stopped functioning.	Warning	Hourly
PwrDst 1 Temp is in critical high state	PS temperature is critically high.	Critical	One Time
RAID VOLUME FAILED	A volume could not be brought online due to multiple disks missing from a RAID group.	Error	One Time
RAIDTREE ASSIMILATION FAILED	A volume experienced a configuration corruption error during assimilation of volume structures.	Error	One Time
REBOOT	System was rebooted.	Informational	One Time
REBOOT (CLUSTER TAKEOVER)	Cluster takeover of a failed filer has occurred.	Warning	One Time
REBOOT (abnormal)	Remote Lan Module (RLM) detected an abnormal system reboot.	Warning	One Time
REBOOT (after WAFL_check)	System rebooted after running WAFL_check (wack).	Informational	One Time
REBOOT (after entering firmware)	System rebooted after loading firmware.	Informational	One Time
REBOOT (after giveback)	A failed partner rebooted after a successful cluster giveback.	Informational	One Time
REBOOT (halt command)	System was rebooted due to the CLI "halt" command.	Informational	One Time
REBOOT (internal halt)	System was rebooted due to an internal "halt" command.	Informational	One Time
REBOOT (internal reboot)	System was rebooted due to internal reboot.	Informational	One Time
REBOOT (panic)	System rebooted after a panic.	Error	One Time
REBOOT (power glitch)	System was rebooted due to power glitches.	Informational	One Time
REBOOT (power on)	System was powered off and then on again.	Informational	One Time
REBOOT (reboot command)	System was rebooted due to the CLI "reboot" command.	Informational	One Time
REBOOT (RLM system reset)	System rebooted, via the RLM 'system reset' command.	Informational	
REBOOT (watchdog reset)	RLM detected that an appliance level 2 watchdog has been triggered.	Critical	One Time
REBOOT (watchdog timer reset)	System was rebooted due to a watchdog timer reset.	Error	One Time
REPLACE REMOTE MANAGEMENT CONTROLLER	RMC is bad and needs to be replaced.	Error	One Time

RLM HEARTBEAT LOSS	Remote Lan Module (RLM) did not detect any hearbeat from ONTAP.	Warning	One Time
RLM HEARTBEAT STOPPED	Data ONTAP is not getting any heartbeat from RLM.	Critical	One Time
RMC Alert: Boot Error	System with RMC reported "boot" error.	Critical	One Time
RMC Alert: Down Appliance	System with RMC reported "down appliance" error.	Alert	One Time
RMC Alert: OFW Post Error	System with RMC reported "OFW Post" error.	Alert	One Time
RTC BATTERY LOW	The voltage for the Real Time Clock battery is low.	Warning	Hourly
SCHEDULED SNAPSHOT CREATE FAILED	Scheduled snapshot creation has failed.	Alert	One Time
SHELF COOLING UNIT FAILED	Shelf fan has failed.	Warning	Hourly
SHELF OVER TEMPERATURE %dC (%dF)	The temperature detected by a disk shelf is above the normal operational range.	Warning	One Time
SHELF POWER INTERRUPTED	A disk shelf has a power failure critical condition.	Warning	One Time
SHELF_FAULT	A disk shelf error has occurred.	Warning	Hourly
SHUTDOWN PENDING (degraded mode)	The system is in degraded mode. If system remains in degraded mode, system will be shut down after the raid timeout period.	Critical	One Time
SNAPDRIVE FOR UNIX STARTED	SnapDrive for UNIX has been started for the first time since last system reboot.	Informational	One Time
SPARE DISK BAD LABEL	A hot spare disk has failed due to unexpected RAID metadata.	Error	One Time
SPARE DISK BAD LABEL VERSION	A hot spare disk has failed due to inconsistent version number between its RAID metadata and the Data ONTAP installed on the system.	Error	One Time
SPARE DISK FAILED	A spare disk failure has occurred.	Warning	One Time
SPARE DISK MISSING	A hot spare disk is missing.	Informational	One Time
SPARE DISK NOT RESPONDING	A hot spare disk is not responding.	Warning	One Time
SPARE DISK RAWSIZE SHRANK	A hot spare disk has failed because its raw capacity was downsized due to firmware change.	Error	One Time

SPARES LOW	Number of available hot spare disks is running low.	Warning	One Time
SPARE_FAIL	Spare disk has failed (e.g. I/O test failed, no label found).	Warning	One Time
SRAM PARITY ERRORS ON FIBRE CHANN	A host port has been disabled due to some reason.	Critical	
SYNCMIRROR FAULT ISOLATION	SyncMirror has non-fault-isolated plexes.	Error	One Time
SYNCMIRROR PLEX FAILED	A SyncMirror plex has failed.	Error	One Time
SYNCMIRROR VERIFY FAILED	A SyncMirror verify has failed.	Error	One Time
SYSTEM CONFIGURATION ERROR	An incorrect system hardware configuration or internal error was detected.	Error	One Time
SYSTEM_BOOT_FAILED (POST failed)	RLM detected that the system firmware experienced a Power On Self Test (POST) failure and was unable to load and run Data ONTAP.	Critical	One Time
SYSTEM_CONFIGURATION_CRITICAL_ERROR	Unsupported PCI slot configuration.	Critical	One Time
TARGET LUN NOSPC	Target lun out of space warning.	Critical	
UNDER_TEMPERATURE_SHUTDOWN	System is shutting down due to extremely low temperature.	Critical	One Time
UNDER_TEMPERATURE_WARNING	System temperature is low but still within operational limit.	Error	One Time
UNKNOWN_AUTOSUPPORT	An unknown AutoSupport message has been generated	Error	One Time
UPS ON BATTERY	Line power for a UPS system has failed, and the system is running on the battery.	Critical	One Time
UPDKFW (asup_check upgrade disk firmware FA #76)	Related to field alert #76: problems with firmware on 9, 18, and 36GB Fibre Channel disk drives.	Warning	Daily
UPS LOW BATTERY	Battery power for a UPS system is running low.	Critical	One Time
UPS ON BATTERY	Line power for a UPS system has failed, and the system is running on the battery.	Critical	One Time
UPS SHUTTING DOWN	Battery power for a UPS system has failed, and the system is shutting down.	Critical	One Time
WAFL INCONSISTENT	A volume has been found to be in the WAFL inconsistent state.	Error	One Time

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WAFL_check	WAFL_check (wack) has been executed.	Critical	One Time
WEEKLY_LOG	Weekly delivery of system configuration information and system event logs.	Informational	Weekly
X225_SCHT5036F10 and X226_SCHT5036F10 Disks must be at NA03 or later firmware to run Data ONTAP 7.1 or later	Drives are not compatible with your version of Data ONTAP. Drives will fail on boot and cause multiple disk failures.	Critical	One Time
mini-core.	When a panic occurs, a mini core is generated and sent to IBM via Autosupport.	Informational	One Time

NOTE: In some releases, messages may be followed by exclamations (!!!), although they may be missing from the messages in the above table. Exclamations are not representative of the severity of the problem.