

VxRail Appliance

Version 4.5.x and 4.7.x

Event Code Reference

REV 02

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CHAPTER 1

Introduction

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Revision history

The following table lists the revision history for the VxRail Event Code Reference.

Revision Number	Date	Description
02	May 24, 2019	Update for VxRail Appliance software version 4.7.200.
01	February 14, 2019	Initial release.

About this guide

This guide lists the alert and event codes generated by VxRail Manager for VxRail Appliance systems.

VxRail documentation

The following table lists available documents about VxRail Manager and VxRail Appliances.

Table 1 VxRail Documentation

Document	Description
SolVe Online for VxRail	(Login required) Step-by-step instructions for procedures such as replacing hardware or performing system administrative tasks are available through SolVe Online and the SolVe Desktop application. For more information about SolVe for VxRail, refer to KB 525271 .
VxRail Appliance 4.7.x Administration Guide	This document describes the VxRail Appliance 4.7.xxx, how it works, and how to perform administrative tasks.
VxRail 4.7.x Release Notes	(Login required) This document contains a brief description of VxRail Manager 4.7.xxx releases, including lists of known issues and workarounds.
VxRail Support Matrix	This document provides information about supported software, firmware, and hardware versions for Dell EMC VxRail appliances based on Dell PowerEdge hardware, including the E Series, P Series, S Series, and V Series.
VxRail Appliance Owner's Manuals <ul style="list-style-type: none"> VxRail Appliances on 14th Generation PowerEdge Servers P Series, V series, and S Series Owner's Manual VxRail Appliances on 14th Generation PowerEdge Servers E Series Owner's Manual VxRail G560 and G560F Owner's Manual VxRail 60 Series Appliance Owner's Manual 	These documents describe the various VxRail appliances, including their physical features and technical specifications.

Table 1 VxRail Documentation (continued)

Document	Description
<ul style="list-style-type: none"> VxRail 100 Series and 200 Series Appliance Owner's Manual VxRail G Series Appliance Owner's Manual 	
VxRail Appliance Getting Started Guides <ul style="list-style-type: none"> VxRail G560 and G560F Getting Started Guide VxRail E Series Appliance Getting Started With Your Appliance VxRail P Series, S Series, and V Series Appliances Getting Started With Your Appliance 	These documents describe considerations for unpacking and preparing to install VxRail appliances.
VxRail Appliance API User Guide	This document describes the API for the VxRail Appliance versions 4.5.x and 4.7.x.
VxRail Event Code Reference	This reference guide lists the alert and event codes generated by VxRail Manager.
VxRail Security Configuration Guide	This guide provides an overview of the configuration, deployment, and usage settings needed to ensure secure operation of the VxRail Appliance.
VxRail Appliance STIG Compliance Guide	This document provides guidance on the secure installation and secure use of the VxRail Appliance for the DoDIN Approved Products List (APL) Deployment Configuration.
VxRail vCenter Server Planning Guide	This planning guide discusses guidance for the various vCenter Server deployment options supported on VxRail Appliances.
VxRail Planning Guide for Virtual SAN Stretched Cluster	This planning guide provides better insights into the requirements necessary for VxRail to implement Virtual SAN Stretched Cluster.
vSAN 2-Node Cluster on VxRail Planning Guide	This guide provides information for the planning of a VMware vSAN 2-Node Cluster infrastructure on a VxRail platform. (Not for VCF on VxRail solution deployments.)
VxRail Networking Guide with Dell EMC S4148-ON Switches	The deployment guide covers the process of connecting a cluster of VxRail nodes to Dell EMC Networking S4148-ON switches in a high-availability configuration.
VxRail Network Planning Guide	This is a network planning and consideration guide for the VxRail. It provides valuable insight into supported switch requirements and the networking required to support VxRail.
Networking Guides > VxRail Networking Solutions	The networking guides provided on this website assist with the deployment of your infrastructure and the optimal connectivity of your Dell EMC Networking products. Click VxRail Networking Solutions for specific VxRail solutions.
VxRail Fabric Automation SmartFabric Services User Guide	This solution brief provides an overview of how VxRail works with HCI network fabrics using Dell OS10 Enterprise Edition SmartFabric services. (Not for VCF on VxRail solution deployments.)

CHAPTER 2

vCenter events

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vCenter event codes

The following table lists the VxRail Manager event codes related to VMware vCenter. The codes are arranged by event code.

Table 2 VxRail vCenter event codes

Symptom Code	Level	Message	KB Article
VXR010001 MYSTIC010001	Critical	Host connection and power state: The "Host connection and power state".alarm is triggered as a result of a "HostCommunication fault". A "HostCommunication fault".occurs if a vCenter Server is unable to communicate to an ESX or ESXi host using the vSphere API. Host Connection State = Not responding and Host Power State != Standby.	198300
VXR010009 MYSTIC010009	Critical	License inventory monitoring: The number of hosts and/or licensed features has exceeded the limits of the license installed on vCenter Server.	198382
VXR01000C MYSTIC01000C	Critical	Host processor status: VxRail Appliance has dialed home with an event code.	198383
VXR01000D MYSTIC01000D	Critical	Host memory status: VxRail Appliance has dialed home with an event code.	198385
VXR01000E MYSTIC01000E	Error	Host hardware fan status.	198275
VXR01000F MYSTIC01000F	Critical	Host hardware voltage: VxRail Appliance has dialed home with an event code.	469855
VXR010010 MYSTIC010010	Critical	Host hardware temperature status: VxRail Appliance has dialed home with an event code.	198286
VXR010011 MYSTIC010011	Critical	Host hardware power status.	198290
VXR010012 MYSTIC010012	Critical	Host hardware system board status.	198293
VXR010015 MYSTIC010015	Critical	Host storage status: Monitors host connectivity to storage devices.	198294
VXR010016 MYSTIC010016	Critical	Host error - Critical: vCenter has logged an error for this host. Review the event description for detail on the cause.	198303
VXR010018 MYSTIC010018	Critical	Host connection failure: Connection to the host is lost. No timely response was obtained from the host. Failed to connect to a host due to a host network error.	198314
VXR010019 MYSTIC010019	Critical	Cannot connect to storage: Monitors host or network connectivity to a storage device. Lost storage connectivity.	198319
VXR01001B MYSTIC01001B	Critical	Exit standby error: Distributed Power Management tried to bring a host out from standby mode, but the host failed to exit standby mode. Standby Mode powers off an vSphere host and allows it to be powered back on again through Wake-on-LAN protocol triggered either manually or automatically by vCenter Server. Do not disconnect a host in standby mode or move it out of the DRS cluster without first powering it on, otherwise vCenter Server is not able to power the host back on.	198324

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR01001C MYSTIC01001C	Critical	License error: A license for the specified feature has expired. A license installed on vCenter Server has expired. A license installed on the ESX/ESXi host has expired.	198325
VXR01001F MYSTIC01001F	Critical	Network connectivity lost: Failure of the network cable, disconnect of cable, failure of the physical network card, failure of network switch/port/etc. Lost network connectivity on DVPort(s). Physical NIC is down. Lost network connectivity on a virtual switch. Physical NIC is down.	198266
VXR010022 MYSTIC010022	Critical	VMKernel NIC not configured correctly: The advanced configuration option /Migrate/Vmknics is set to an invalid vmknics.	198274
VXR010028 MYSTIC010028	Critical	Thin-provisioned volume capacity threshold exceeded: A thin provisioned datastore has exceeded the capacity threshold specified for this datastore.	198284
VXR01002E MYSTIC01002E	Critical	Insufficient vSphere HA failover resources: The cluster does not have sufficient resources to allow for High Availability of all virtual machines.	198268
VXR010043 MYSTIC010043	Critical	Host SSD capacity exceeds the licensed limit for Virtual SAN: Overall capacity of SSD disks connected to Virtual SAN exceeded the capacity specified in the license.	198287
VXR010044 MYSTIC010044	Critical	Expired Virtual SAN license: A license assigned to a vSAN cluster has expired.	198291
VXR014000 MYSTIC014000	Error	Cluster health - Error.	198288
VXR014003 MYSTIC014003	Error	Host CPU usage: Host CPU usage exceeds 90% for over 5 minutes	198305
VXR014004 MYSTIC014004	Error	Host memory usage: Memory usage exceeds 95% for over 5 minutes	198387
VXR014008 MYSTIC014008	Error	Datastore usage on disk: Datastore usage greater than 85%	460607
VXR014013 MYSTIC014013	Error	Host battery status.	198304
VXR014014 MYSTIC014014	Error	Status of other host hardware objects.	198306
VXR014015 MYSTIC014015	Error	Host storage status - error.	522853
VXR014016 MYSTIC014016	Error	Host health - error (4.5.100 and earlier): An error was detected on this ESXi host. See detailed status in vCenter Server. (4.5.150) Overall health of ESX host: error (red)	198308
VXR01401D MYSTIC01401D	Error	Health status changed alarm: The health status of the vCenter has changed.	198326
VXR014020 MYSTIC014020	Error	Network uplink redundancy lost: Failure of the network cable, disconnect of cable, failure of the physical network card, failure of network switch/port/etc. Lost uplink redundancy on DVPort(s). Physical NIC is down. Lost uplink redundancy on a virtual switch. Physical NIC is down.	198269

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR014024 MYSTIC014024	Error	Host IPMI System Event Log status: IPMI log is full	198277
VXR014025 MYSTIC014025	Error	Host Baseboard Management Controller status: Monitors the status of the Baseboard Management Controller.	198278
VXR014027 MYSTIC014027	Error	Health status monitoring: The health status of the vCenter Service has changed.	198282
VXR01402F MYSTIC01402F	Error	vSphere HA failover in progress: A vSphere HA failover is in progress. Review the event description for detail on the cause.	198271
VXR014030 MYSTIC014030	Error	Cannot find vSphere HA master agent: There is an issue with vSphere High Availability protection for this cluster. Review the event description for detail on the cause.	198272
VXR014031 MYSTIC014031	Error	vSphere HA host status: HostAgentErrorEvent: There is an issue with vSphere High Availability configuration for this cluster. DasHostIsolatedEvent: This host in an HA cluster has been isolated. DasHostFailedEvent: There is an issue with vSphere High Availability configuration for this cluster. HostPartitionedFromMasterEvent: This host in an HA cluster has been partitioned. HostNoHAEnabledPortGroupsEvent: HA cannot be configured because there is network-related issue for this host.	198276
VXR014034 MYSTIC014034	Error	License capacity monitoring.	492899
VXR014035 MYSTIC014035	Error	The host license edition is not compatible with the vCenter Server license edition.	522850
VXR014037 MYSTIC014037	Error	vSphere Distributed Switch VLAN trunked status.	522849
VXR014038 MYSTIC014038	Error	vSphere Distributed Switch MTU matched status.	522848
VXR014039 MYSTIC014039	Error	vSphere Distributed Switch MTU supported status.	522847
VXR01403A MYSTIC01403A	Error	vSphere Distributed Switch teaming matched status.	522846
VXR01403E MYSTIC01403E	Error	Registration/unregistration of a VASA vendor provider on a Virtual SAN host fails.	522845
VXR01403F MYSTIC01403F	Error	Host SSD capacity exceeds the licensed limit for Virtual SAN.	522844
VXR014042 MYSTIC014042	Error	Datastore compliance alarm.	522842
VXR014044 MYSTIC014044	Error	Service control agent health alarm.	522841

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR014045 MYSTIC014045	Error	Identity health alarm.	522840
VXR014046 MYSTIC014046	Error	vSphere client health alarm.	522839
VXR014047 MYSTIC014047	Error	ESX agent manager health alarm.	522838
VXR014048 MYSTIC014048	Error	Message bus config health alarm.	522837
VXR014049 MYSTIC014049	Error	Cis license health alarm.	522734
VXR01404A MYSTIC01404A	Error	Appliance management health alarm.	522738
VXR01404B MYSTIC01404B	Error	Inventory health alarm.	522743
VXR01404C MYSTIC01404C	Error	vCenter server health alarm.	522749
VXR01404D MYSTIC01404D	Error	Data service health alarm.	522763
VXR01404E MYSTIC01404E	Error	RBD health alarm.	522767
VXR01404F MYSTIC01404F	Error	vService manager health alarm.	522769
VXR014050 MYSTIC014050	Error	Performance charts service health alarm.	522771
VXR014051 MYSTIC014051	Error	Content library service health alarm.	522776
VXR014052 MYSTIC014052	Error	Open virtualization format service health alarm.	522779
VXR014053 MYSTIC014053	Error	Transfer service health alarm.	522782
VXR014054 MYSTIC014054	Error	VMware vSphere ESXi dump collector health alarm.	522784
VXR014055 MYSTIC014055	Error	VMware vAPI endpoint service health alarm.	522787
VXR014056 MYSTIC014056	Error	VMware system and hardware health manager service health alarm.	522791
VXR014057 MYSTIC014057	Error	VMware vSphere profile-driven storage service health alarm.	522794
VXR014058 MYSTIC014058	Error	VMware common logging service health alarm.	522798

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR014059 MYSTIC014059	Error	VMware vFabric postgres service health alarm.	522800
VXR01405A MYSTIC01405A	Error	vSphere vCenter host certificate management mode.	522804
VXR01405B MYSTIC01405B	Error	ESXi host certificate status.	522808
VXR01405C MYSTIC01405C	Error	Certificate status.	522812
VXR01405D MYSTIC01405D	Error	VASA provider disconnected.	522736
VXR01405E MYSTIC01405E	Error	VASA provider certificate expiration alarm.	522774
VXR014060 MYSTIC014060	Error	Errors occurred on the disk(s) of a Virtual SAN host (4.5.100 and earlier). Errors occurred on the disk(s) of a vSAN host (4.5.150).	522786
VXR014061 MYSTIC014061	Error	Refreshing CA certificates and CRLs for a VASA provider failed.	522792
VXR014062 MYSTIC014062	Error	Object type storage alarm.	522796
VXR014063 MYSTIC014063	Error	Registration/unregistration of third-party IO filter storage providers fails on a host.	522802
VXR014064 MYSTIC014064	Error	vSphere APIs for IO Filtering (VAIO) filter management operations.	522805
VXR014065 MYSTIC014065	Error	Expired vCenter Server license.	522810
VXR014066 MYSTIC014066	Error	Expired host license.	522814
VXR014067 MYSTIC014067	Error	Expired vCenter Server time-limited license.	522817
VXR014068 MYSTIC014068	Error	Expired host time-limited license.	522818
VXR014069 MYSTIC014069	Error	Expired Virtual SAN time-limited license.	522820
VXR01406A MYSTIC01406A	Error	Virtual SAN health alarm "Fault domain number check".	522822
VXR01406B MYSTIC01406B	Error	Virtual SAN health alarm "Hosts disconnected from VC".	522823
VXR01406C MYSTIC01406C	Error	Virtual SAN health alarm "SCSI Controller on Virtual SAN HCL".	522824
VXR01406D MYSTIC01406D	Error	Virtual SAN health alarm "Limits health".	522827

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR01406E MYSTIC01406E	Error	Virtual SAN health alarm "Advanced Virtual SAN configuration in sync".	522829
VXR01406F MYSTIC01406F	Error	Virtual SAN health alarm "Hosts with Virtual SAN disabled".	522831
VXR014070 MYSTIC014070	Error	Virtual SAN health alarm "ESX Virtual SAN Health service installation".	522833
VXR014071 MYSTIC014071	Error	Virtual SAN health alarm "Hosts without configured unicast agent".	522765
VXR014072 MYSTIC014072	Error	Virtual SAN health alarm "MTU check (ping with large packet size)".	522772
VXR014073 MYSTIC014073	Error	Virtual SAN health alarm "Witness host with non-existing fault domain".	522777
VXR014074 MYSTIC014074	Error	Virtual SAN health alarm "Component metadata health".	522783
VXR014075 MYSTIC014075	Error	Virtual SAN health alarm "Virtual SAN HCL DB up-to-date".	522789
VXR014076 MYSTIC014076	Error	Virtual SAN health alarm "Hosts with connectivity issues".	522795
VXR014077 MYSTIC014077	Error	Virtual SAN health alarm "Host issues retrieving hardware info".	522801
VXR014078 MYSTIC014078	Error	Virtual SAN health alarm "Virtual SAN Health Service up-to-date".	522806
VXR014079 MYSTIC014079	Error	Virtual SAN Health Service Alarm for Overall Health Summary	522811
VXR01407A MYSTIC01407A	Error	Virtual SAN health alarm "All hosts have a Virtual SAN vmknic configured".	522816
VXR01407B MYSTIC01407B	Error	Virtual SAN health alarm "Congestion".	522819
VXR01407C MYSTIC01407C	Error	Virtual SAN health alarm "Stretched cluster health".	522821
VXR01407D MYSTIC01407D	Error	Virtual SAN health alarm "Controller Release Support".	522825
VXR01407E MYSTIC01407E	Error	Virtual SAN health alarm "Current cluster situation".	522826
VXR01407F MYSTIC01407F	Error	Virtual SAN health alarm "Virtual SAN cluster partition".	522828
VXR014080 MYSTIC014080	Error	Virtual SAN health alarm "Data health".	522830
VXR014081 MYSTIC014081	Error	Virtual SAN health alarm "After 1 additional host failure".	522832

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR014082 MYSTIC014082	Error	Virtual SAN health alarm "Software state health".	522834
VXR014083 MYSTIC014083	Error	Virtual SAN health alarm "Network health".	522835
VXR014084 MYSTIC014084	Error	Virtual SAN health alarm "All hosts have matching multicast settings".	522836
VXR014085 MYSTIC014085	Error	Virtual SAN health alarm "Active multicast connectivity check".	522733
VXR014086 MYSTIC014086	Error	Virtual SAN health alarm "Overall disks health".	522735
VXR014087 MYSTIC014087	Error	Virtual SAN health alarm "Stretched cluster without a witness host".	522737
VXR014088 MYSTIC014088	Error	Virtual SAN health alarm "All hosts have matching subnets".	522739
VXR014089 MYSTIC014089	Error	Virtual SAN health alarm "Basic (unicast) connectivity check (normal ping)".	522740
VXR01408A MYSTIC01408A	Error	Virtual SAN health alarm "Multicast assessment based on other checks".	522741
VXR01408B MYSTIC01408B	Error	Virtual SAN health alarm "Physical disk health retrieval issues".	522744
VXR01408C MYSTIC01408C	Error	Virtual SAN health alarm "Unexpected Virtual SAN cluster members".	522745
VXR01408D MYSTIC01408D	Error	Virtual SAN health alarm "Cluster health".	522746
VXR01408E MYSTIC01408E	Error	Virtual SAN health alarm "Memory pools (slabs)".	522748
VXR01408F MYSTIC01408F	Error	Virtual SAN health alarm "Virtual SAN CLOMD liveness".	522750
VXR014090 MYSTIC014090	Error	Virtual SAN health alarm "Metadata health".	522751
VXR014091 MYSTIC014091	Error	Virtual SAN health alarm "Virtual SAN object health".	522753
VXR014092 MYSTIC014092	Error	Virtual SAN health alarm "Virtual SAN HCL health".	522754
VXR014093 MYSTIC014093	Error	Virtual SAN health alarm "Physical disk health".	522756
VXR014094 MYSTIC014094	Error	Virtual SAN health alarm "Stretched cluster with no disk mapping witness host".	522757
VXR014095 MYSTIC014095	Error	Virtual SAN health alarm "Disk capacity".	522758

Table 2 VxRail vCenter event codes (continued)

Symptom Code	Level	Message	KB Article
VXR014096 MYSTIC014096	Error	Virtual SAN health alarm "Witness host with invalid preferred fault domain".	522759
VXR014097 MYSTIC014097	Error	Virtual SAN health alarm "Witness host part of cluster".	522761
VXR014098 MYSTIC014098	Error	Virtual SAN health alarm "Witness host inside one of the fault domain".	522762
VXR014099 MYSTIC014099	Error	Virtual SAN health alarm "Cluster with multiple unicast agents".	522815
VXR01409A MYSTIC01409A	Error	Virtual SAN health alarm "Controller Driver".	522813
VXR01409B MYSTIC01409B	Error	Virtual SAN health alarm "Memory pools (heaps)".	522809
VXR01409C MYSTIC01409C	Error	Virtual SAN health alarm "Some hosts do not support stretched cluster".	522807
VXR014101 MYSTIC014101	Error	VSAN (disk group) health status "Local Node Health State" != HEALTHY.	198299
VXR018000 MYSTIC018000	Warning	Cluster health - Warning.	N/A
VXR018003 MYSTIC018003	Warning	Host CPU usage Host CPU usage exceeds 75% for over 5 minutes.	N/A
VXR018004 MYSTIC018004	Warning	Host memory usage Memory usage exceeds 90% for over 5 minutes.	N/A
VXR018008 MYSTIC018008	Warning	Datastore usage on disk Datastore usage greater than 75%.	N/A
VXR018014 MYSTIC018014	Warning	Status of other host hardware objects.	198312
VXR018015 MYSTIC018015	Warning	Host storage status - warning.	N/A
VXR018016 MYSTIC018016	Warning	Host health - warning (4.5.100 and earlier): A warning was detected on this ESXi host. See detailed status in vCenter Server. Host health - warning (4.5.150): Overall health of ESX host: error (yellow).	N/A
VXR018026 MYSTIC018026	Warning	License user threshold monitoring: Current license usage exceeded the user-defined threshold. The administrator has set a threshold to track the current use of VMware vSphere features, and the specified threshold has been exceeded.	198280
VXR018029 MYSTIC018029	Warning	Datastore capability alarm: Default event triggered on storage capability evaluation, or storage capability warning received from the storage provider (VSAN).	198264

CHAPTER 3

VxRail iDRAC events

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iDRAC event codes

The following table lists the VxRail Manager event codes related to the VxRail Appliance out-of-band management platform known as the Integrated Dell Remote Access Controller (iDRAC). The codes are arranged by event code.

Note

- VxRail 4.7.x: The iDRAC event codes listed in this section are supported in VxRail Appliance software version 4.7.100 and later.
- VxRail 4.5.x: A subset of the iDRAC event codes listed in this section are supported in VxRail Appliance software version 4.5.300. Support for the remaining codes is planned for later releases.

Table 3 VxRail iDRAC event codes

Symptom Code	Level	Message	KB Article
VXR500AMP0301	Critical	The system board <name> current is less than the lower critical threshold.	526933
VXR500AMP0303	Critical	The system board <name> current is greater than the upper critical threshold.	526934
VXR500AMP0304	Critical	The system board <name> current is outside of range.	526935
VXR500AMP0307	Critical	Disk drive bay <name> current is less than the lower critical threshold.	526936
VXR500AMP0309	Critical	Disk drive bay <name> current is greater than the upper critical threshold.	526937
VXR500AMP0310	Critical	Disk drive bay <name> current is outside of range.	526938
VXR500AMP0313	Critical	System level current is less than the lower critical threshold.	526939
VXR500AMP0315	Critical	System level current is greater than the upper critical threshold.	526940
VXR500AMP0316	Critical	System level current is outside of range.	526941
VXR500AMP0319	Critical	Chassis power level current is less than the lower critical threshold.	526942
VXR500AMP0321	Critical	Chassis power level current is greater than the upper critical threshold.	526943
VXR500AMP0322	Critical	Chassis power level current is outside of range.	526944
VXR500BAT0002	Critical	The system board battery has failed.	526951
VXR500BAT0004	Critical	The system board battery is absent.	526952
VXR500BAT0007	Critical	The storage battery has failed.	526954
VXR500BAT0009	Critical	The storage battery is absent.	526955
VXR500BAT0012	Critical	The storage battery for disk drive bay <bay> has failed.	526956
VXR500BAT0014	Critical	The storage battery for disk drive bay <bay> is absent.	526957
VXR500BAT0017	Critical	The <name> battery has failed.	526958
VXR500BAT0019	Critical	The <name> battery is absent.	526960
VXR500BAT1025	Critical	<controller name> is unable to recover cached data from the Battery Backup Unit (BBU).	526961

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500BAT1029	Critical	The battery on <controller name> can no longer recharge.	526962
VXR500CBL0003	Critical	Backplane <bay ID> <cable name> cable is disconnected.	526963
VXR500CPU0001	Critical	CPU <number> has a thermal trip (over-temperature) event.	526964
VXR500CPU0002	Critical	CPU <number> has failed the built-in self-test (BIST).	526968
VXR500CPU0003	Critical	CPU <number> is stuck in POST.	526969
VXR500CPU0004	Critical	CPU <number> failed to initialize.	526970
VXR500CPU0005	Critical	CPU <number> configuration is unsupported.	526971
VXR500CPU0006	Critical	Unrecoverable CPU complex error detected on CPU <number>.	526972
VXR500CPU0011	Critical	Uncorrectable Machine Check Exception detected on CPU <number>.	526973
VXR500CPU0700	Critical	CPU <number> initialization error detected.	526974
VXR500CPU0701	Critical	CPU <number> protocol error detected.	526975
VXR500CPU0702	Critical	CPU bus parity error detected.	526976
VXR500CPU0703	Critical	CPU bus initialization error detected.	526977
VXR500CPU0704	Critical	CPU <number> machine check error detected.	526978
VXR500CPU0801	Critical	CPU <number> voltage regulator module failed.	526979
VXR500CPU0803	Critical	The power input for CPU <number> voltage regulator module is lost.	526980
VXR500CPU0804	Critical	The power input for CPU <number> voltage regulator module is outside of range.	526981
VXR500CPU0806	Critical	CPU <number> voltage regulator module is incorrectly configure.	526982
VXR500CPU0816	Critical	CPU <number> voltage regulator module is absent.	526983
VXR500CPUA0023	Critical	CPU <number> is absent.	526984
VXR500CTL40	Critical	Multi-bit ECC error on <Controller name> DIMM.	524226
VXR500CTL44	Critical	Diagnostic message <message> from <Controller name>.	526985
VXR500CTL46	Critical	Single-bit ECC error. The <Controller name> DIMM is critically degraded.	524227
VXR500CTL47	Critical	Single-bit ECC error on <Controller name>.	524228
VXR500CTL56	Critical	<Controller name> event log: <args>.	526986
VXR500CTL58	Critical	<Controller name> SAS SMP communications error <args>.	526987
VXR500CTL59	Critical	<Controller name> SAS expander error: <args>.	526988
VXR500CTL76	Critical	A configuration command could not be committed to disk on <Controller name>.	526989
VXR500CTL90	Critical	<controller name> is not operating in Fault Tolerant Mode because of an incompatible peer controller.	526990
VXR500CTL96	Critical	<controller name> has entered safe mode with limited functionality due to <controller message>.	526991

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500FAN0001	Critical	Fan <number> RPM is less than the lower critical threshold.	526992
VXR500FAN0003	Critical	Fan <number> RPM is greater than the upper critical threshold.	526993
VXR500FAN0004	Critical	Fan <number> RPM is outside of range.	526994
VXR500FAN0006	Critical	Fan <number> is removed.	526995
VXR500FAN0009	Critical	Fan <number> is absent.	526996
VXR500FAN1000	Critical	<Fan Sensor Name> was removed.	526997
VXR500FAN1002	Critical	<Fan Sensor Name> has failed.	526998
VXR500IOV107	Critical	PCIe adapter <device name> in slot <slot number> was removed while powered on.	526999
VXR500LNK2700	Critical	The <name> network link is down.	527000
VXR500MEM0001	Critical	Multi-bit memory errors detected on a memory device at location(s) <location>.	524178
VXR500MEM0002	Critical	Parity memory errors detected on a memory device at location <location>.	524180
VXR500MEM0003	Critical	Stuck bit memory error detected on a memory device at location <location>.	524181
VXR500MEM0004	Critical	Memory device at location <location> is disabled.	524182
VXR500MEM0005	Critical	Persistent correctable memory error limit reached for a memory device at location(s) <location>.	524183
VXR500MEM0007	Critical	Unsupported memory configuration; check memory device at location <location>.	524185
VXR500MEM0010	Critical	Memory device at location <location> is overheating.	524186
VXR500MEM0702	Critical	Correctable memory error rate exceeded for <location>.	524188
VXR500MEM1001	Critical	Memory device at location <location> failed to transition to a running state.	524190
VXR500MEM1005	Critical	Memory device at location <location> failed to power off.	524191
VXR500MEM1007	Critical	Memory device at location <location> failed to transition to online.	524192
VXR500MEM1009	Critical	Memory device at location <location> failed to transition to offline.	524194
VXR500MEM1016	Critical	Memory device at location <location> is not installed correctly.	524156
VXR500MEM1201	Critical	Memory RAID redundancy is lost. Check memory device at location(s) <location>.	524157
VXR500MEM1205	Critical	Memory mirror redundancy is lost. Check memory device at location(s) <location>.	524158
VXR500MEM1208	Critical	Memory spare redundancy is lost. Check memory device at location <location>.	524161
VXR500MEM1212	Critical	Memory redundancy is lost.	524164
VXR500MEM7002	Critical	A hardware mismatch detected for memory riser.	524184

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500MEM8000	Critical	Correctable memory error logging disabled for a memory device at location <location>.	524187
VXR500MEM8500	Critical	Low memory condition detected.	524189
VXR500MEM8502	Critical	ECC Memory error rate failover condition detected.	524193
VXR500MEM9000	Critical	Memory interconnect degraded.	524195
VXR500MEM9004	Critical	Intel QPI interconnect <QPI link number> has degraded.	524211
VXR500MEM9005	Critical	Intel SMI 2 Memory interconnect <link number> has degraded.	524214
VXR500MEM9006	Critical	Intel QPI interconnect <QPI link number> has a non-recoverable issue.	524214
VXR500MEM9007	Critical	Intel SMI 2 Memory interconnect <link number> has a non-recoverable issue.	524166
VXR500MEM9008	Critical	Intel DDR Memory interconnect <link number> has a non-recoverable issue.	524170
VXR500MEM9015	Critical	Multi-bit memory errors detected on a Dual In-line Memory Module (DIMM) device <location>.	524174
VXR500MEM9030	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> is not responding and is disabled.	524177
VXR500MEM9031	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> is unable to save the data during the previous system shutdown operation or power loss.	524179
VXR500MEM9032	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> is unable to restore the data that was saved in the previous 'save' operation.	524203
VXR500MEM9033	Critical	An unsupported Non-Volatile Dual In-line Memory Module (NVDIMM) device is of unsupported configuration and unable to operate as currently configured.	524205
VXR500MEM9034	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> is not responding.	524207
VXR500MEM9035	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> cannot be configured to save data during a power loss because of an issue in the NVDIMM.	524208
VXR500MEM9036	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) devices are placed in write-protect mode because the system may not provide sufficient power to save data in case of power loss.	524210
VXR500MEM9037	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> has reached the end of supported life duration and is placed in write-protect mode.	524213
VXR500MEM9038	Critical	The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <slot location> has lost persistency and is placed in write-protect mode.	524216
VXR500PC11302	Critical	A bus time-out was detected on a component at bus <bus> device <device> function <func>.	527001

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500PCI1304	Critical	An I/O channel check error was detected.	527002
VXR500PCI1306	Critical	A software error was detected on a component at bus <bus> device <device> function <func>.	527003
VXR500PCI1308	Critical	A PCI parity error was detected on a component at bus <bus> device <device> function <func>.	527004
VXR500PCI1310	Critical	A PCI system error was detected on a component at bus <bus> device <device> function <func>.	527006
VXR500PCI1314	Critical	A bus correctable error was detected on a component at bus <bus> device <device> function <func>.	527008
VXR500PCI1316	Critical	A bus uncorrectable error was detected on a component at bus <bus> device <device> function <func>.	527009
VXR500PCI1318	Critical	A fatal error was detected on a component at bus <bus> device <device> function <func>.	527010
VXR500PCI1320	Critical	A bus fatal error was detected on a component at bus <bus> device <device> function <func>.	527011
VXR500PCI1342	Critical	A bus time-out was detected on a component at slot <number>.	527012
VXR500PCI1344	Critical	An I/O channel check error was detected.	527013
VXR500PCI1346	Critical	A software error was detected on a component at slot <number>.	527014
VXR500PCI1348	Critical	A PCI parity error was detected on a component at slot <number>.	527015
VXR500PCI1350	Critical	A PCI system error was detected on a component at slot <number>.	527016
VXR500PCI1354	Critical	A bus correctable error was detected on a component at slot <number>.	527017
VXR500PCI1356	Critical	A bus uncorrectable error was detected on a component at slot <number>.	527018
VXR500PCI1358	Critical	A fatal error was detected on a component at slot <number>.	527019
VXR500PCI1360	Critical	A bus fatal error was detected on a component at slot <number>.	527020
VXR500PCI2000	Critical	A fatal IO error detected on a component at bus <bus> device <device> function <func>.	527021
VXR500PCI2002	Critical	A fatal IO error detected on a component at slot <number>.	527022
VXR500PCI3000	Critical	Device option ROM on embedded NIC failed to support Link Tuning or FlexAddress.	527023
VXR500PCI3002	Critical	Failed to program virtual MAC address on a component at bus <bus> device <device> function <func>.	527024
VXR500PCI3004	Critical	Device option ROM on mezzanine card <number> failed to support Link Tuning or FlexAddress.	527025
VXR500PCI3006	Critical	Failed to get Link Tuning or FlexAddress data from iDRAC.	527027
VXR500PCI3016	Critical	Device option ROM on mezzanine card failed to support Link Tuning or FlexAddress.	527028
VXR500PCI5004	Critical	A power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>.	527029

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500PCI5005	Critical	An auxiliary power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>.	527030
VXR500PDR1001	Critical	Fault detected on drive <number> in disk drive bay <bay>.	527031
VXR500PDR1016	Critical	Drive <number> is removed from disk drive bay <bay>.	527032
VXR500PDR1024	Critical	Drive mismatch detected for drive <number> in disk drive bay <bay>.	527033
VXR500PDR1101	Critical	Fault detected on drive <number>.	527034
VXR500PDR1116	Critical	Drive <number> is removed.	527035
VXR500PDR115	Critical	The <PCIe solid state device name> is in read-only mode.	527036
VXR500PDR117	Critical	The <PCIe solid state device name> has turned off because the critical temperature threshold is exceeded.	527037
VXR500PDR12	Critical	<PD Name> initialization has failed.	527038
VXR500PDR13	Critical	<physical disk> rebuild has failed.	527039
VXR500PDR20	Critical	SMART configuration change for <PD Name>.	527040
VXR500PDR29	Critical	Rebuild on <PD Name> completed with error(s).	527041
VXR500PDR3	Critical	<PD Name> is not functioning correctly.	527042
VXR500PDR44	Critical	The clear operation on <physical disk> failed.	527043
VXR500PDR46	Critical	Patrol Read found an uncorrectable media error on <physical disk>.	527044
VXR500PDR47	Critical	A block on <physical disk> was punctured by the controller.	527045
VXR500PDR51	Critical	Hot spare <physical disk> SMART polling has failed.<args>	527046
VXR500PDR57	Critical	Bad block table on <physical disk> is full. Unable to log block <logical block address >.	527047
VXR500PDR61	Critical	The rebuild of <physical disk> failed due to errors on the source physical disk.	527048
VXR500PDR62	Critical	The rebuild failed due to errors on the target <physical disk>.	527049
VXR500PDR63	Critical	A bad disk block on <physical disk> cannot be reassigned during a write operation.	527050
VXR500PDR64	Critical	An unrecoverable disk media error occurred on <physical disk>.	527051
VXR500PDR73	Critical	Copyback failed from <physical disk> to <physical disk>.	527052
VXR500PDR85	Critical	Security subsystem errors detected for <physical disk>.	527053
VXR500PDR88	Critical	Power state change failed on <PD Name>. (from <state> to <state>)	527054
VXR500PST0128	Critical	No memory is detected.	527055
VXR500PST0129	Critical	Memory is detected, but is not configurable.	527056
VXR500PST0130	Critical	Memory is configured, but not usable.	527057
VXR500PST0132	Critical	CMOS failed.	527058
VXR500PST0133	Critical	DMA controller failed.	527059

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500PST0134	Critical	Interrupt controller failed.	527060
VXR500PST0135	Critical	Timer refresh failed.	527061
VXR500PST0136	Critical	Programmable interval timer error.	527062
VXR500PST0137	Critical	Parity error.	527063
VXR500PST0140	Critical	System management interrupt initialization failed.	527064
VXR500PST0141	Critical	QuickPath Interconnect (QPI) fatal error.	527065
VXR500PST0142	Critical	MRC fatal error.	527066
VXR500PST0143	Critical	Intel Trusted Execution Technology (TXT) fatal error.	527067
VXR500PST0194	Critical	Remote access controller configuration failed.	527068
VXR500PST0195	Critical	CPU configuration failed.	527069
VXR500PST0196	Critical	Incorrect memory configuration.	527070
VXR500PST0254	Critical	General failure after video.	527071
VXR500PST0256	Critical	POST fatal error detected.	527072
VXR500PSU0001	Critical	Power supply <number> failed.	527073
VXR500PSU0003	Critical	The power input for power supply <number> is lost.	527074
VXR500PSU0004	Critical	The power input for power supply <number> is outside of range.	527075
VXR500PSU0006	Critical	Power supply <number> is incorrectly configured.	527076
VXR500PSU0031	Critical	Cannot communicate with power supply <number>.	527077
VXR500PSU0033	Critical	The temperature for power supply <number> is outside of range.	527078
VXR500PSU0034	Critical	An under voltage fault detected on power supply <number>.	527079
VXR500PSU0035	Critical	An over voltage fault detected on power supply <number>.	527080
VXR500PSU0036	Critical	An over current fault detected on power supply <number>.	527081
VXR500PSU0037	Critical	Fan failure detected on power supply <number>.	527082
VXR500PSU0039	Critical	An under current fault detected on power supply <number>.	527083
VXR500PSU0040	Critical	An output under voltage fault detected on power supply <number>.	527084
VXR500PSU0041	Critical	An output over voltage fault detected on power supply <number>.	527086
VXR500PSU0042	Critical	An output over current fault detected on power supply <number>.	527087
VXR500PSU0043	Critical	An output under current fault detected on power supply <number>.	527088
VXR500PSU0076	Critical	A power supply wattage mismatch is detected; power supply <number> is rated for <value> watts.	527089
VXR500PSU0077	Critical	Power supply <number> vendor type mismatch detected.	527090
VXR500PSU0078	Critical	Power supply <number> revision mismatch detected.	527091
VXR500PSU0080	Critical	Power supply <number> voltage rating does not match the system's requirements.	527092

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500PSU1001	Critical	<PSU Sensor Name> has failed.	527093
VXR500PSU1002	Critical	<PSU Sensor Name> was removed	527094
VXR500PSU1007	Critical	<PSU Sensor Name> has failed.	527095
VXR500PSU1010	Critical	The DC power supply is switched off.	527096
VXR500PSUA0016	Critical	Power supply <number> is absent.	527097
VXR500PWR1006	Critical	The system halted because system power exceeds capacity.	527098
VXR500PWR1008	Critical	The system performance degraded because power draw exceeds the power threshold.	527099
VXR500PWR8680	Critical	The <iDRAC/BIOS> firmware in the server slot <slot number> does not support the storage sled.	527100
VXR500PWR8681	Critical	The <iDRAC/BIOS> firmware in the server slot <slot number> does not support additional PCIe slots.	527101
VXR500PWR8682	Critical	Unable to turn on the storage sled controller <controller number> in slot <slot number> because the <module name> module is not functioning.	527102
VXR500RDU0002	Critical	Fan redundancy is lost.	527103
VXR500RDU0005	Critical	The fans are not redundant. Insufficient resources to maintain normal operations.	527104
VXR500RDU0012	Critical	Power supply redundancy is lost.	527105
VXR500RDU0015	Critical	The power supplies are not redundant. Insufficient resources to maintain normal operations.	527106
VXR500RDU0031	Critical	The <name> voltage redundancy is lost.	527107
VXR500STOR10	Critical	Access to shared storage will not be available, because the RAID controller is unable to turn on.	527108
VXR500STOR14	Critical	The peripheral sled in slot <slot number> initialization is not complete.	527109
VXR500SWC4012	Critical	A firmware or software incompatibility is detected between <first component name><first component location> and <second component name><second component location>.	527110
VXR500TMP0101	Critical	The system board <name> temperature is less than the lower critical threshold.	527111
VXR500TMP0103	Critical	The system board <name> temperature is greater than the upper critical threshold.	527112
VXR500TMP0104	Critical	The system board <name> temperature is outside of range.	527113
VXR500TMP0107	Critical	The memory module <number> temperature is less than the lower critical threshold.	527114
VXR500TMP0109	Critical	The memory module <number> temperature is greater than the upper critical threshold.	527115
VXR500TMP0110	Critical	The memory module <number> temperature is outside of range.	527116
VXR500TMP0113	Critical	The <name> temperature is less than the lower critical threshold.	527117

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500TMP0115	Critical	The <name> temperature is greater than the upper critical threshold.	527118
VXR500TMP0116	Critical	The <name> temperature is outside of range.	527119
VXR500TMP0119	Critical	The system inlet temperature is less than the lower critical threshold.	527120
VXR500TMP0121	Critical	The system inlet temperature is greater than the upper critical threshold.	527121
VXR500TMP0122	Critical	The system inlet temperature is outside of range.	527122
VXR500TMP0125	Critical	Disk drive bay temperature is less than the lower critical threshold.	527123
VXR500TMP0127	Critical	Disk drive bay temperature is greater than the upper critical threshold.	527124
VXR500TMP0128	Critical	Disk drive bay temperature is outside of range.	527125
VXR500TMP0131	Critical	The control panel temperature is less than the lower critical threshold.	527127
VXR500TMP0133	Critical	The control panel temperature is greater than the upper critical threshold.	527128
VXR500TMP0134	Critical	The control panel temperature is outside of range.	527129
VXR500TMP0136	Critical	The system is automatically turned off because of insufficient cooling.	527130
VXR500TMP0201	Critical	CPU <number> temperature is less than the lower critical threshold.	527131
VXR500TMP0203	Critical	CPU <number> temperature is greater than the upper critical threshold.	527132
VXR500TMP0204	Critical	CPU <number> temperature is outside of range.	527133
VXR500TMP1002	Critical	<tempsensor name> has exceeded the maximum failure threshold.	527134
VXR500TMP1003	Critical	<tempsensor name> has crossed the minimum failure threshold.	527135
VXR500TMP7	Critical	<Temp Sensor Name> has failed.	527137
VXR500TMPS0102	Critical	Inlet temperature is above warning level for extended duration.	527138
VXR500TMPS0103	Critical	Inlet temperature is above critical level for extended duration.	527139
VXR500UEFI0058	Critical	An uncorrectable Memory Error has occurred because a Dual Inline Memory Module (DIMM) is not functioning.	524229
VXR500UEFI0086	Critical	Unsupported Small Outline Dual In-line Memory Module (SODIMM) memory is installed on RDIMM memory slot: <slot number>.	524230
VXR500UEFI0087	Critical	Unsupported 4Gb technology DIMM module is installed on memory slot: <slot number>.	524231
VXR500UEFI0088	Critical	Unsupported 8Gb technology DIMM module is installed on memory slot: <slot number>.	524232
VXR500UEFI0089	Critical	Incompatible x16 data bus width DIMM is installed on memory slot: <slot number>.	524233
VXR500UEFI0090	Critical	A DIMM with an incompatible number of ranks is installed on memory slot: <slot number>.	524234
VXR500UEFI0091	Critical	A Quad-Rank (QR) DIMM is installed on memory slot: <slot number>. QR DIMMs should be installed on the first DIMM slot in a channel if there is only one QR DIMM in the channel. QR DIMMs cannot be installed on the third slot of the channel.	524235

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500UEFI0092	Critical	The number of DIMM ranks has exceeded the maximum allowed ranks per channel limit.	524236
VXR500UEFI0093	Critical	The DIMM installed on the memory slot: <slot number> does not meet the minimum supported frequency.	524237
VXR500UEFI0094	Critical	Unsupported Non-ECC memory module is installed on memory slot: <slot number>.	524239
VXR500UEFI0095	Critical	A DIMM with unsupported voltage is installed on memory slot <Slot>.	524240
VXR500UEFI0098	Critical	The memory Built-In Self-test (BIST) has detected one or more errors on the DIMM installed on memory slot: <slot number>. As a result, the corresponding DIMM has been disabled.	524197
VXR500UEFI0159	Critical	Unsupported Unregistered Dual In-line Memory Module (UDIMM) memory is installed on memory slot: <slot number>.	524198
VXR500UEFI0160	Critical	The number of DIMM ranks has exceeded the maximum allowed ranks per channel limit on memory slots: <slot numbers>.	524199
VXR500UEFI0161	Critical	An unsupported DIMM population has been detected on memory slots: <slot numbers>.	524200
VXR500UEFI0162	Critical	A 3 DIMM Per Channel (DPC) configuration has been detected on a 2 DPC memory buffer.	524201
VXR500UEFI0163	Critical	Unsupported DIMM module with less than 2Gb technology is installed on memory slot: <slot number>.	524202
VXR500UEFI0164	Critical	Unable to enable the Advanced ECC memory operating mode because of mismatches in the DIMM channel configurations on memory slots: <slot numbers>.	524204
VXR500UEFI0165	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524206
VXR500UEFI0166	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524209
VXR500UEFI0167	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524212
VXR500UEFI0168	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524215
VXR500UEFI0169	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524218
VXR500UEFI0170	Critical	Unable to configure memory interleaving on DIMM modules on memory slots: <slot numbers>.	524220
VXR500UEFI0171	Critical	A Dual Rank DIMM module is installed on memory slot <slot number> after a Single Rank DIMM module.	524221
VXR500UEFI0172	Critical	A Quad Rank DIMM module is installed on memory slot <slot number> after a Single Rank DIMM module.	524155
VXR500UEFI0173	Critical	A Quad Rank DIMM module is installed on memory slot <slot number> after a Dual Rank DIMM module.	524159

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500UEFI0174	Critical	A Quad Rank DIMM module is installed on memory slot <slot number> after an Octal Rank DIMM module.	524160
VXR500UEFI0175	Critical	A Octal Rank DIMM module is installed on memory slot <slot number> after a Quad Rank DIMM module.	524162
VXR500UEFI0176	Critical	Multiple Quad Rank DIMM modules are installed on a DDR channel. Refer to DIMM modules on memory slots: <slot numbers>.	524163
VXR500UEFI0177	Critical	A DIMM module is installed on memory slot <slot number> after a Quad Rank DIMM module.	524165
VXR500UEFI0185	Critical	Load Reduced DIMM (LR-DIMM) training errors have occurred on memory riser <riser letter>.	524167
VXR500UEFI0242	Critical	Unable to enable the requested Partial Mirror size of <requested memory size>GB due to the current DIMM population or hardware configuration does not support the requested size. <allocated memory size>GB was allocated instead.	524168
VXR500UEFI0278	Critical	Unable to complete the Post Package Repair (PPR) operation because of an issue in the DIMM memory slot <slot number>.	524169
VXR500VDR1	Critical	<VD Name> failed.	527141
VXR500VDR16	Critical	Consistency check of <virtual disk> failed.	527142
VXR500VDR17	Critical	<VD Name> format failed.	527143
VXR500VDR18	Critical	Initialization of <virtual disk> has failed.	527144
VXR500VDR19	Critical	Reconfiguration of <virtual disk> has failed.	527145
VXR500VDR20	Critical	<VD Name> rebuild failed.	527146
VXR500VDR34	Critical	Background initialization failed for <virtual disk>.	527147
VXR500VDR49	Critical	<VD Name> is permanently degraded.	527148
VXR500VDR50	Critical	Background Initialization (BGI) completed with uncorrectable errors on <virtual disk>.	527149
VXR500VDR55	Critical	<VD Name> initialization has failed.	527150
VXR500VDR58	Critical	Bad block medium error is detected at block <args> on <VD Name>.	527151
VXR500VDR7	Critical	<virtual disk> has failed.	527152
VXR500VDR91	Critical	Consistency check for <virtual disk> has detected multiple uncorrectable medium errors.	527153
VXR500VDR92	Critical	Consistency check for <virtual disk> has completed with uncorrectable errors.	527154
VXR500VLT0104	Critical	Processor module <name> voltage is outside of range.	527155
VXR500VLT0201	Critical	The system board <name> voltage is less than the lower critical threshold.	527156
VXR500VLT0203	Critical	The system board <name> voltage is greater than the upper critical threshold.	527157
VXR500VLT0204	Critical	The system board <name> voltage is outside of range.	527158

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR500VLT0207	Critical	The memory module <number> <name> voltage is less than the lower critical threshold.	527159
VXR500VLT0209	Critical	The memory module <number> <name> voltage is greater than the upper critical threshold.	527160
VXR500VLT0210	Critical	The memory module <number> <name> voltage is outside of range.	527161
VXR500VLT0213	Critical	The disk drive bay <name> voltage is less than the lower critical threshold.	527162
VXR500VLT0215	Critical	The disk drive bay <name> voltage is greater than the upper critical threshold.	527163
VXR500VLT0216	Critical	The disk drive bay <name> voltage is outside of range.	527164
VXR500VLT0219	Critical	The <name> voltage is less than the lower critical threshold.	527165
VXR500VLT0221	Critical	The <name> voltage is greater than the upper critical threshold.	527166
VXR500VLT0222	Critical	The <name> voltage is outside of range.	527167
VXR500VLT0225	Critical	The memory module <name> voltage is less than the lower critical threshold.	527168
VXR500VLT0227	Critical	The memory module <name> voltage is greater than the upper critical threshold.	527169
VXR500VLT0228	Critical	The memory module <name> voltage is outside of range.	527170
VXR500VLT0231	Critical	The mezzanine card <number> <name> voltage is less than the lower critical threshold.	527171
VXR500VLT0233	Critical	The mezzanine card <number> <name> voltage is greater than the upper critical threshold.	527172
VXR500VLT0234	Critical	The mezzanine card <number> <name> voltage is outside of range.	527173
VXR500VLT0301	Critical	CPU <number> <name> voltage is less than the lower critical threshold.	527174
VXR500VLT0303	Critical	CPU <number> <name> voltage is greater than the upper critical threshold.	527175
VXR500VLT0304	Critical	CPU <number> <name> voltage is outside of range.	527176
VXR508AMP0300	Warning	The system board <name> current is less than the lower warning threshold.	527177
VXR508AMP0302	Warning	The system board <name> current is greater than the upper warning threshold.	527179
VXR508AMP0306	Warning	Disk drive bay <name> current is less than the lower warning threshold.	527180
VXR508AMP0308	Warning	Disk drive bay <name> current is greater than the upper warning threshold.	527181
VXR508AMP0312	Warning	System level current is less than the lower warning threshold.	527182
VXR508AMP0314	Warning	System level current is greater than the upper warning threshold.	527183
VXR508AMP0318	Warning	Chassis power level current is less than the lower warning threshold.	527184
VXR508AMP0320	Warning	Chassis power level current is greater than the upper warning threshold.	527185
VXR508BAT0005	Warning	The storage battery is low.	527186

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508BAT0010	Warning	The storage battery for disk drive bay <bay> is low.	527187
VXR508BAT0015	Warning	The <name> battery is low.	527188
VXR508BAT1000	Warning	Battery on <controller name> is missing.	527189
VXR508BAT1004	Warning	The battery on <controller name> learn cycle has timed out.	527190
VXR508BAT1008	Warning	Write policy on <controller name> was changed to Write Through.	527191
VXR508BAT1010	Warning	Battery on <Controller name> requires reconditioning. Initiate a learn cycle.	527192
VXR508BAT1013	Warning	Recharge count has exceeded the maximum limit for battery on <Controller name>.	527193
VXR508BAT1018	Warning	Battery on <Controller name> is degraded.	527194
VXR508BAT1021	Warning	The charge level for the battery on <controller name> is below the normal threshold.	527196
VXR508BAT1024	Warning	Errors detected with battery on <controller name>.	527197
VXR508BAT1028	Warning	The battery voltage on <controller name> is low.	527198
VXR508BAT1031	Warning	The battery temperature on <controller name> is above normal.	527199
VXR508BAT1033	Warning	The battery on <controller name> was removed.	527200
VXR508CPU0008	Warning	CPU <number> is disabled.	527201
VXR508CPU0010	Warning	CPU <number> is throttled.	527202
VXR508CPU0012	Warning	Correctable Machine Check Exception detected on CPU <number>.	527203
VXR508CPU0025	Warning	CPU <number> terminator is absent.	527204
VXR508CPU0802	Warning	A predictive failure detected on CPU <number> voltage regulator module.	527205
VXR508CPU0805	Warning	The power input for CPU <number> voltage regulator module is outside of range, but it is attached to the system.	527206
VXR508CTL41	Warning	Single-bit ECC error on <Controller name>.	527207
VXR508CTL45	Warning	Single-bit ECC error on <Controller name>.	527208
VXR508CTL49	Warning	The NVRAM has corrupted data on <Controller name>.	527209
VXR508CTL5	Warning	Bad block replacement error on <Controller name>.	527210
VXR508CTL50	Warning	The <Controller name> NVRAM has corrupt data.	527211
VXR508CTL51	Warning	<Controller name> SAS port report: <message>	527212
VXR508CTL55	Warning	<Controller name> event log: <args>	527213
VXR508CTL6	Warning	Bad block sense error from <Controller name>	527215
VXR508CTL61	Warning	Physical disks found missing from configuration during boot time on <Controller name>.	527216
VXR508CTL63	Warning	Previous configuration was found completely missing during boot time on <Controller name>.	527217

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508CTL7	Warning	Bad block medium error on <Controller name>.	527218
VXR508CTL72	Warning	The foreign configuration overflow has occurred on <Controller name>.	527220
VXR508CTL74	Warning	Preserved cache detected on <controller name>.	527221
VXR508CTL75	Warning	Preserved cache discarded on <controller name>.	527222
VXR508CTL79	Warning	Controller in <controller slot> is not supported and will not be powered on.	527223
VXR508CTL8	Warning	Bad block extended sense error on <Controller name>.	527224
VXR508CTL80	Warning	<controller name> experienced the following warning during startup: <controller message>.	527225
VXR508CTL83	Warning	Communication with <controller name> has been lost.	527226
VXR508CTL84	Warning	<controller name> is running an unsupported firmware version.	527227
VXR508CTL85	Warning	<controller name> is operating at less than optimal bandwidth.	527228
VXR508CTL87	Warning	<controller name> settings do not match the settings of its peer.	527229
VXR508CTL88	Warning	<controller name> firmware does not match the firmware of its peer controller.	527230
VXR508CTL89	Warning	<controller name> is no longer fault tolerant because the peer controller is not available.	527231
VXR508CTL9	Warning	Bad block extended medium error on <Controller name>.	527232
VXR508CTL91	Warning	<controller name> is unable to communicate with its peer.	527233
VXR508CTL92	Warning	<controller name> is not operating in Fault Tolerant Mode because of an incompatible license setting on its peer controller.	527234
VXR508CTL95	Warning	<controller name> has left the fault tolerant pair.	527235
VXR508FAN0000	Warning	Fan <number> RPM is less than the lower warning threshold.	527236
VXR508FAN0002	Warning	Fan <number> RPM is greater than the upper warning threshold.	527237
VXR508FAN0010	Warning	Fan <number> is disabled.	527238
VXR508FC102	Warning	The <controller ID> port <port ID> link is not functioning either because the FC cable is not connected or the FC device is not functioning.	527239
VXR508IOV105	Warning	Unable to manage PCIE adapter <device name> located in <slot type> <slot number>.	527240
VXR508IOV106	Warning	Unable to power on PCIe adapter <device name> in <slot type> <slot number>.	527241
VXR508IOV108	Warning	Power fault detected on PCIe adapter <device name> in <slot type> <slot number>.	527242
VXR508IOV116	Warning	PCIE AUX power cable <cable number>.was disconnected while powered on.	527244
VXR508LNK8500	Warning	Unable to connect the server in slot <slot id> to the IOM in slot <IOM slot id> port <IOM port id>, because the IOM port is down.	527245

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508MEM0000	Warning	Persistent correctable memory errors detected on a memory device at location(s) <location>.	524433
VXR508MEM0009	Warning	Memory device at location <location> is throttled.	524434
VXR508MEM0022	Warning	Memory device at location <location> is absent.	524435
VXR508MEM0701	Warning	Correctable memory error rate exceeded for <location>.	524436
VXR508MEM1003	Warning	Memory device at location <location> failed to transition to in test.	524437
VXR508MEM1012	Warning	Memory device at location <location> is in a degraded state.	524438
VXR508MEM1202	Warning	Memory RAID redundancy is degraded. Check memory device at location(s) <location>.	524439
VXR508MEM1206	Warning	Memory mirror redundancy is degraded. Check memory device at location <location>.	527246
VXR508MEM1214	Warning	Memory redundancy is degraded.	527247
VXR508MEM8501	Warning	Low memory warning, <total memory size>KB, <threshold value>KB.	524440
VXR508MEM9002	Warning	Intel QPI interconnect <QPI link number> has a correctable error.	524441
VXR508MEM9003	Warning	Intel SMI 2 Memory interconnect <link number> has a correctable error.	524442
VXR508MEM9009	Warning	Intel DDR Memory interconnect <link number> has a correctable error.	524443
VXR508MEM9011	Warning	QuickPath Interconnect (QPI) Reference Code warning location information is logged.	524444
VXR508MEM9013	Warning	Memory Reference Code (MRC) warning location information is logged.	524471
VXR508MEM9014	Warning	A correctable memory error has occurred in Dual In-line Memory Module (DIMM) device <location>.	524472
VXR508MEM9016	Warning	Correctable memory error rate exceeded for Dual In-line Memory Module (DIMM)<location>.	524473
VXR508NIC100	Warning	The <Controller> Port <Port> network link is down.	527248
VXR508PCI1322	Warning	Bus performance degraded for a component at bus <bus> device <device> function <func>.	527249
VXR508PCI1362	Warning	Bus performance degraded for a component at slot <number>.	527250
VXR508PCI3008	Warning	A non-fatal PCIe error detected on a component at bus <bus> device <device> function <func>.	527251
VXR508PCI3010	Warning	A non-fatal IO error detected on a component at bus <bus> device <device> function <func>.	527252
VXR508PCI3012	Warning	The QuickPath Interconnect (QPI) width degraded.	527253
VXR508PCI3014	Warning	A non-fatal PCIe error detected on a component at slot <number>.	527254
VXR508PCI3019	Warning	A low-severity issue is detected in the SSD bay <bay id>, Slot <slot id>.	527255
VXR508PDR1	Warning	<physical disk> copyback stopped for rebuild.	527256
VXR508PDR100	Warning	Dedicated Hot Spare <PD Name> no longer useful for all arrays.	527257

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508PDR1002	Warning	A predictive failure detected on drive <number> in disk drive bay <bay>.	527258
VXR508PDR101	Warning	Global Hot Spare <PD Name> does not cover all arrays.	527259
VXR508PDR1102	Warning	A predictive failure detected on drive <number>.	527260
VXR508PDR112	Warning	The <PCIe solid state device name> has reached <percent> of warranted device wear-out limit.	527261
VXR508PDR113	Warning	The <PCIe solid state device name> has reached or exceeded its warranted wear-out limit.	527262
VXR508PDR116	Warning	Predictive failure reported for <PCIe solid state device name>	527263
VXR508PDR16	Warning	Predictive failure reported for <physical disk>.	527264
VXR508PDR19	Warning	SMART FPT exceeded for <PD Name>.	527265
VXR508PDR2	Warning	Insufficient space available on <physical disk> to perform a copyback operation.	527266
VXR508PDR21	Warning	SMART warning for <PD Name>.	527267
VXR508PDR22	Warning	SMART warning temperature for <PD Name>.	527268
VXR508PDR23	Warning	SMART warning degraded for <PD Name>.	527269
VXR508PDR24	Warning	Failure prediction threshold exceeded on <PD Name> due to test. No action needed.	527270
VXR508PDR30	Warning	A global hot spare failed.<PD Name>.	527271
VXR508PDR32	Warning	A dedicated hot spare failed.<PD Name>.	527272
VXR508PDR35	Warning	The only hot spare available is a SATA disk <PD Name>.	527275
VXR508PDR36	Warning	The only hot spare available is a SAS disk <PD Name>.	527276
VXR508PDR37	Warning	The <physical device> is not supported.	527277
VXR508PDR49	Warning	The dedicated hot spare <PD Name> is too small.	527278
VXR508PDR5	Warning	<PD Name> is removed.	527279
VXR508PDR50	Warning	Insufficient space on the global hot spare <PD Name>.	527280
VXR508PDR52	Warning	A redundant path is broken.	527281
VXR508PDR55	Warning	Insufficient space available on the <physical disk> to perform a rebuild.	527283
VXR508PDR56	Warning	Bad block table on <physical disk> is 80% full.	527284
VXR508PDR58	Warning	<PD Name>is incompatible.	527285
VXR508PDR6	Warning	<physical disk> is offline.	527286
VXR508PDR60	Warning	Error occurred on <physical disk> : <error code>.	527287
VXR508PDR67	Warning	An unsupported physical disk drive has been detected.	527288
VXR508PDR69	Warning	Rebuild not possible on <physical disk>.	527289
VXR508PDR7	Warning	<physical disk> has degraded.	527290

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508PDR75	Warning	Copyback stopped for hot spare <physical disk> .	527291
VXR508PDR76	Warning	Copyback not possible as SAS or SATA mixing is not supported.	527292
VXR508PDR86	Warning	Bad block table on <physical disk> is full.	527293
VXR508PDR95	Warning	Microcode update on <physical disk> has failed.	527294
VXR508PDR98	Warning	Command timeout occurred on <physical disk>.<args>.	527296
VXR508PFM0002	Warning	The value of <sensor name> is greater than the upper warning threshold.	527297
VXR508PSU0002	Warning	A predictive failure detected on power supply <number>.	527298
VXR508PSU0005	Warning	The power input for power supply <number> is outside of the allowable range, but it is attached to the system.	527299
VXR508PSU0032	Warning	The temperature for power supply <number> is in a warning range.	527300
VXR508PSU0044	Warning	Cannot obtain status information from power supply <number>.	527301
VXR508PSU0091	Warning	Power supply unit <PSU number> rating exceeds the system power distribution limits.	527302
VXR508PSU1000	Warning	Power supply cable has been removed from <PSU Sensor Name>.	527303
VXR508PSU1003	Warning	<PSU Sensor Name> is switched OFF.	527304
VXR508PWR1001	Warning	The system performance degraded.	527305
VXR508PWR1002	Warning	The system performance degraded because of thermal protection.	527307
VXR508PWR1003	Warning	The system performance degraded because cooling capacity has changed.	527308
VXR508PWR1004	Warning	The system performance degraded because power capacity has changed.	527309
VXR508PWR1005	Warning	The system performance degraded because of user-defined power capacity has changed.	527318
VXR508PWR1007	Warning	The system performance degraded because power exceeds capacity.	527319
VXR508PWR8557	Warning	The System Input Power Cap is too low to be enforced using the current Power Supply configuration.	527320
VXR508RDU0003	Warning	Fan redundancy is degraded.	527321
VXR508RDU0013	Warning	Power supply redundancy is degraded.	527322
VXR508RDU0017	Warning	The storage power redundancy is no longer available.	527323
VXR508RDU0018	Warning	The storage power redundancy is degraded.	527324
VXR508RDU0032	Warning	The <name> voltage redundancy is degraded.	527325
VXR508STOR1	Warning	A device <device name> is in an unknown state.	527326
VXR508STOR13	Warning	Unable to set the operation mode of the newly inserted storage sled in slot <slot number> to Split Single or Split Dual Host, because the storage sled has only one PERC controller.	527327
VXR508STOR17	Warning	The fault-tolerant pair of RAID controllers <RAID controller 1> and <RAID controller 2> can have issues in their PCIe fabric because both controllers are on the same PCIe fabric.	527328

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508STOR18	Warning	A Shared Storage device is detected in slots other than Chassis Slots 5 and 6. This configuration is not currently supported.	527329
VXR508STOR5	Warning	Redundancy lost.<VD/Enclosure Name>	527330
VXR508STOR8	Warning	Detected two RAID controllers in integrated slots. This configuration is not currently supported and the second controller will not be powered on.	527331
VXR508STOR9	Warning	No RAID controllers have been detected. Access to shared storage will not be available.	527332
VXR508SWC4004	Warning	A firmware or software incompatibility detected between iDRAC in slot <number> and CMC.	527333
VXR508SWC4006	Warning	A firmware or software incompatibility detected between system BIOS in slot <number> and CMC.	527334
VXR508SWC4008	Warning	A firmware or software incompatibility detected between CMC 1 and CMC 2.	527335
VXR508TMP0100	Warning	The system board <name> temperature is less than the lower warning threshold.	527336
VXR508TMP0102	Warning	The system board <name> temperature is greater than the upper warning threshold.	527337
VXR508TMP0106	Warning	The memory module <number> temperature is less than the lower warning threshold.	527338
VXR508TMP0108	Warning	The memory module <number> temperature is greater than the upper warning threshold.	527339
VXR508TMP0112	Warning	The <name> temperature is less than the lower warning threshold.	527340
VXR508TMP0114	Warning	The <name> temperature is greater than the upper warning threshold.	527341
VXR508TMP0118	Warning	The system inlet temperature is less than the lower warning threshold.	527342
VXR508TMP0120	Warning	The system inlet temperature is greater than the upper warning threshold.	527343
VXR508TMP0124	Warning	Disk drive bay temperature is less than the lower warning threshold.	527344
VXR508TMP0126	Warning	Disk drive bay temperature is greater than the upper warning threshold.	527345
VXR508TMP0130	Warning	The control panel temperature is less than the lower warning threshold.	527346
VXR508TMP0132	Warning	The control panel temperature is greater than the upper warning threshold.	527347
VXR508TMP0200	Warning	CPU <number> temperature is less than the lower warning threshold.	527348
VXR508TMP0202	Warning	CPU <number> temperature is greater than the upper warning threshold.	527349
VXR508TMP1000	Warning	<tempsensor name> exceeded the maximum warning threshold.	527350
VXR508TMP1001	Warning	<tempsensor name> has crossed the minimum warning threshold.	527351
VXR508TMPS0100	Warning	Inlet temperature is above warning level for extended duration.	527352
VXR508TMPS0101	Warning	Inlet temperature is above critical level for extended duration.	527353
VXR508VDR100	Warning	<virtual disk> is unavailable because of incompatibilities with the current controller.	527354

Table 3 VxRail iDRAC event codes (continued)

Symptom Code	Level	Message	KB Article
VXR508VDR31	Warning	Controller cache is preserved for missing or offline <VD Name>.	527355
VXR508VDR52	Warning	The consistency check found inconsistent parity data on <virtual disk>.	527356
VXR508VDR53	Warning	The consistency check logging of inconsistent parity data is disabled for <virtual disk>.	527357
VXR508VDR54	Warning	<VD Name> initialization is terminated.	527358
VXR508VDR8	Warning	<virtual disk> is degraded either because the physical disk drive in the drive group is removed or the physical disk drive added in a redundant virtual drive has failed.	527359
VXR508VDR99	Warning	<virtual disk> is unavailable because of an ID conflict in the fault-tolerant pair.	527360
VXR508VLT0200	Warning	The system board <name> voltage is less than the lower warning threshold.	527361
VXR508VLT0202	Warning	The system board <name> voltage is greater than the upper warning threshold.	527362
VXR508VLT0206	Warning	The memory module <number> <name> voltage is less than the lower warning threshold.	527363
VXR508VLT0208	Warning	The memory module <number> <name> voltage is greater than the upper warning threshold.	527364
VXR508VLT0212	Warning	The disk drive bay <name> voltage is less than the lower warning threshold.	527365
VXR508VLT0214	Warning	The disk drive bay <name> voltage is greater than the upper warning threshold.	527366
VXR508VLT0218	Warning	The <name> voltage is less than the lower warning threshold.	527367
VXR508VLT0220	Warning	The <name> voltage is greater than the upper warning threshold.	527368
VXR508VLT0224	Warning	The memory module <name> voltage is less than the lower warning threshold.	527369
VXR508VLT0226	Warning	The memory module <name> voltage is greater than the upper warning threshold.	527370
VXR508VLT0230	Warning	The mezzanine card <number> <name> voltage is less than the lower warning threshold.	527371
VXR508VLT0232	Warning	The mezzanine card <number> <name> voltage is greater than the upper warning threshold.	527372
VXR508VLT0300	Warning	CPU <number> <name> voltage is less than the lower warning threshold.	527374
VXR508VLT0302	Warning	CPU <number> <name> voltage is greater than the upper warning threshold.	527375
VXR50CCPU0000	Info	Internal error has occurred check for additional logs.	N/A

CHAPTER 4

VxRail appliance events

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VxRail appliance event codes

The following table lists the VxRail Manager event codes related to the vxRail appliance hardware. The codes are arranged by event code.

Table 4 VxRail appliance event codes

Symptom Code	Level	Message	KB Article
VXR020001 MYSTIC020001	Critical	Hardware health changed (4.0.400): The remaining rated write endurance of the SATADOM is lower than 5%. Hardware health changed (4.5.150): The remaining rated write endurance of the boot device {0} is lower than 5%.	198292
VXR020002 MYSTIC020002	Critical	Hardware health changed: Disk status Disk failed, with fault led long amber.	198313
VXR020003 MYSTIC020003	Critical	Hardware health changed: Node status (System Status LED amber solid on). Critical Alarm: Critical power modules failure, critical fans failure, voltage (power supply), critical temperature and voltage. Fatal alarm - System has failed or shut down. BIOS detected: <ol style="list-style-type: none"> DIMM failure when there is one DIMM present and no good memory is present. Run-time memory uncorrectable error in non-redundant mode. CPU configuration error (for instance, processor stepping mismatch). Integrated BMC detected: <ol style="list-style-type: none"> CPU CATERR signal asserted. CPU 1 is missing. CPU THERMTRIP. System cooling fan failure. No power good - Redundant power fault. - Power Unit Redundancy sensor - Insufficient resources offset (indicates not enough power supplies are present). 	198316
VXR024001 MYSTIC024001	Error	Hardware health changed (4.0.400): The remaining rated write endurance of the SATADOM is lower than 20%. (40400) Hardware health changed: The remaining rated write endurance of the boot device {0} is lower than 20%.	198298
VXR024003 MYSTIC024003	Error	Hardware health changed: Node status (System Status LED amber blinking). Non-Critical Alarm: Redundant fan failure, redundant power module failure, non-critical temperature and voltage. Non-Critical Alarm - System is likely to fail. BIOS detected: <ol style="list-style-type: none"> In non-mirroring mode, if the threshold of ten correctable errors is crossed within the window. 	198320

Table 4 VxRail appliance event codes (continued)

Symptom Code	Level	Message	KB Article
		<p>2. PCI Express uncorrectable link errors</p> <p>Integrated BMC detected:</p> <ol style="list-style-type: none"> 1. Critical threshold crossed - Voltage, temperature, power nozzle, power gauge, and PROCHOT (Therm Ctrl) sensors. 2. VRD Hot asserted. 3. One of the redundant power supplies failed. 4. Minimum number of fans to cool the system are not present or have failed. 	
VXR028001 MYSTIC028001	Warning	<p>Hardware health changed: The remaining rated write endurance of the SATADOM is lower than 30%.</p> <p>Hardware health changed: The remaining rated write endurance of the boot device {0} is lower than 30%.</p>	198302
VXR028003 MYSTIC028003	Warning	Hardware health changed: Node status (power led green blinking).	N/A
VXR02C001 MYSTIC02C001	Info	<p>Hardware health changed (4.0.400): SATADOM wearing.</p> <p>Hardware health changed (4.5.150): Boot Device {0} wearing.</p>	N/A
VXR036001 MYSTIC036001	Info	Failed to find backup external ESRS VE.	N/A
VXR124004 MYSTIC124004	Error	Set node blue led blink failed.	522768
VXR124005 MYSTIC124005	Error	Set node blue led off failed.	522766
VXR124006 MYSTIC124006	Error	Set disk green led failed.	522764
VXR124007 MYSTIC124007	Error	Set disk green led blink failed.	522760
VXR124008 MYSTIC124008	Error	Set disk green led off failed.	522752
VXR12C004 MYSTIC12C004	Info	Set node blue led blink succeeded.	N/A
VXR12C005 MYSTIC12C005	Info	Set node blue led off succeeded.	N/A
VXR12C006 MYSTIC12C006	Info	Set disk green led succeeded.	N/A
VXR12C007 MYSTIC12C007	Info	Set disk green led blink succeeded.	N/A
VXR 12C008 MYSTIC12C008	Info	Set disk green led off succeeded.	N/A
VXR230011	Critical	Node {0} upgrade operation failed.	524430

Table 4 VxRail appliance event codes (continued)

Symptom Code	Level	Message	KB Article
VXR23C012	Info	Node {0} upgrade operation has started.	524428
VXR23C013	Info	Node {0} upgrade operation was successful.	524429
VXR50CCPU0000	Info	Internal error has occurred check for additional logs.	N/A

CHAPTER 5

Secure Remote Services (ESRS) events

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Dell Secure Remote Services event codes

The following table lists the VxRail Manager event codes related to Dell Secure Remote Services (formerly known as ESRS). The codes are arranged by event code.

Table 5 VxRail Secure Remote Support (ESRS) event codes

Symptom Code	Level	Message	KB Article
VXR034002 MYSTIC034002	Error	ESRS VE activated but inaccessible Network connection issue. Port issue (service down). VM issue.	522803
VXR034003 MYSTIC034003	Error	Authentication service temporarily unavailable Re-try to add device periodically.	522799
VXR034004 MYSTIC034004	Error	Failed to add device to ESRS VE Invalid Powerlink credentials, or invalid PSNT (not	522797
VXR034005 MYSTIC034005	Error	Failed to send configuration to ESRS VE.	522790
VXR034006 MYSTIC034006	Error	Failed to send connect home to ESRS VE.	522788
VXR034007 MYSTIC034007	Error	Failed to upload attachment to ESRS VE.	522785
VXR034008 MYSTIC034008	Error	Failed to send heartbeat to ESRS VE for 100 times.	522781
VXR038001 MYSTIC038001	Warning	ESRS VE not activated. Support should be enabled in VxRail Manager.	N/A
VXR038008 MYSTIC038008	Warning	Failed to send heartbeat to ESRS VE for 10 times.	N/A
VXR03C008 MYSTIC03C008	Info	Failed to send heartbeat to ESRS VE Heartbeat is sent every 60 seconds.	N/A

CHAPTER 6

VxRail Manager events

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VxRail Manager event codes

The following table lists the VxRail Manager event codes related to VxRail Manager application operations. The codes are arranged by event code.

Table 6 VxRail Manager application event codes

Symptom Code	Level	Message	KB Article
VXR004002 MYSTIC004002	Error	The version is {0} (not supported). Misconfigured feature: This is for Cluster Level (e.g. MysticManager, vCenter). If the current version is not supported, this event should show. All supported versions are listed in KB 500665 .	500665
VXR004003 MYSTIC004003	Error	The version is {0} (incompatible with {1}). Misconfigured feature: This is for Cluster Level (e.g. MysticManager, vCenter). If the current version is incompatible with other component this even should show. The compatible versions of the current component are listed in KB 500666 .	500666
VXR008001 MYSTIC008001	Warning	The version is {0} (supported, reference version is {1}) Misconfigured feature: This is for Cluster Level (e.g. MysticManager, vCenter). If the current version is not the same a the reference version (the manufactory or last upgraded version) this event should show.	N/A
VXR008002 MYSTIC008002	Warning	Virtual Appliance process failed queryCluster scheduled every 3 mins: Create/Update Virtual Appliance(VXRAIL/MysticManager/VC/Esxi/Vib/PTAgent) failed.	N/A
VXR024002 MYSTIC024002	Error	The version is {0} (not supported). Misconfigured feature: This is for Node Level (e.g. Esxi, Vib, Dell PTAgent). If the current version is not supported, this event should show. All supported versions are listed in KB 500665 .	500665
VXR024004 MYSTIC024004	Error	The version is {0} (incompatible with {1}). Misconfigured feature: This is for Node Level (e.g. Esxi, Vib, Dell PTAgent). If the current version is incompatible with the other component, this even should show. The compatible versions of the current component are listed in KB 500666 .	500666
VXR028002 MYSTIC028002	Warning	The version is {0} (supported, reference version is {1}) Misconfigured feature: This is for Node Level (e.g. Esxi, Vib, Dell PTAgent). If the current version is not the same as the reference version (the manufactory or last upgraded version) this event should show.	N/A
VXR028004 MYSTIC028004	Warning	Mismatched Appliance TLA be detected.	N/A
VXR028005 MYSTIC028005	Warning	Hardware health changed: Node status (system status led amber).	N/A
VXR028006 MYSTIC028006	Warning	The remaining rated write endurance of disk {0} of node {1} is lower than {2}% wearing level = 5%.	N/A
VXR02C006 MYSTIC02C006	Info	The remaining rated write endurance of disk {0} of node {1} is lower than {2}% wearing level = 20%.	N/A

Table 6 VxRail Manager application event codes (continued)

Symptom Code	Level	Message	KB Article
VXR036001 MYSTIC036001	Info	Failed to find backup external ESRS VE.	N/A
VXR1000 MYSTIC1000	Info	Configuration file update.	198265
VXR100001 MYSTIC100001	Error	ESX Server Inaccessible Network connection issue. DNS issue. Port issue (service down).	198283
VXR100002 MYSTIC100002	Error	vCenter Inaccessible Network connection issue. Port issue (service down).	198285
VXR100003 MYSTIC100003	Critical	VxRail Manager inaccessible.	474669
VXR100003 MYSTIC100003	Error	VxRail Inaccessible Network connection issue. Port issue (service down).	198296
VXR100011 MYSTIC100011	Error	MYSTIC Manager service down - Web UI Service issue: connectors or web UI	198311
VXR1001 MYSTIC1001	Info	Configuration report for new install.	198267
VXR1002 MYSTIC1002	Info	Configuration report for scale out install.	198270
VXR104006	Error	Failed to remove node {0}.	N/A
VXR104007	Error	Failed to remove node {0} due to PSNT replacing failure.	N/A
VXR104012 MYSTIC104012	Error	MYSTIC Manager service down: Cluster Connector.	198315
VXR104013 MYSTIC104013	Error	MYSTIC Manager service down: ESRS Connector.	522778
VXR104014 MYSTIC104014	Error	MYSTIC Manager service down: eService Connector.	198318
VXR104112 MYSTIC104112	Error	VxRail Manager Extension upgrade failed.	522742
VXR108004 MYSTIC108004	Warning	The proxy server is out of connection.	198309
VXR108005 MYSTIC108005	Warning	Failed to refresh VxRail IP in iDRAC OME feature: When reading VxRail IP from PTAgent or writing VxRail IP to PTAgent failed.	N/A
VXR10C008	Info	Node {0} is removed successfully.	N/A
VXR10C111 MYSTIC10C111	Info	VxRail Manager Extension upgrade start.	N/A
VXR10C112 MYSTIC10C112	Info	VxRail Manager Extension upgrade success.	N/A
VXR110001 MYSTIC110001	Critical	Initialization failed First-run initialization failed.	462919

Table 6 VxRail Manager application event codes (continued)

Symptom Code	Level	Message	KB Article
VXR114002 MYSTIC114002	Error	User login failed.	522773
VXR11C001 MYSTIC11C001	Info	Initialization succeeded First-run initialization succeeded.	N/A
VXR11C002 MYSTIC11C002	Info	User login succeeded.	N/A
VXR11C003 MYSTIC11C003	Info	User logout.	N/A
VXR120001 MYSTIC120001	Critical	License expiration alert (<5 days) potential data loss.	198289
VXR124001 MYSTIC124001	Error	License expiration reminder (<20 days).	198322
VXR124002 MYSTIC124002	Error	Set node blue led failed for diagnosis or replacement.	522770
VXR124003 MYSTIC124003	Error	Failed to query cluster info.	198307
VXR124004 MYSTIC124004	Error	Set node blue led blink failed.	522768
VXR124005 MYSTIC124005	Error	Set node blue led off failed.	522766
VXR124006 MYSTIC124006	Error	Set disk green led failed.	522764
VXR124007 MYSTIC124007	Error	Set disk green led blink failed.	522760
VXR124008 MYSTIC124008	Error	Set disk green led off failed.	522752
VXR124014	Error	PSC management account password is invalid in VxRail Manager.	529667
VXR124015	Error	Node {0} management account password is invalid in VxRail Manager.	529668
VXR12C002 MYSTIC12C002	Info	Set node blue led succeeded for diagnosis or replacement.	N/A
VXR12C003 MYSTIC12C003	Info	Query cluster info.	N/A
VXR12C004 MYSTIC12C004	Info	Set node blue led blink succeeded.	N/A
VXR12C005 MYSTIC12C005	Info	Set node blue led off succeeded.	N/A
VXR12C006 MYSTIC12C006	Info	Set disk green led succeeded.	N/A
VXR12C007 MYSTIC12C007	Info	Set disk green led blink succeeded.	N/A

Table 6 VxRail Manager application event codes (continued)

Symptom Code	Level	Message	KB Article
VXR12C008 MYSTIC12C008	Info	Set disk green led off succeeded.	N/A
VXR134001 MYSTIC134001	Error	Connection to eService server colu.emc.com.	198310
VXR134002 MYSTIC134002	Error	Failed to get advisories catalog colu.emc.com.	198317
VXR134003 MYSTIC134003	Error	Failed to get download catalog colu.emc.com.	198321
VXR134004 MYSTIC134004	Error	Failed to download file from catalog download.emc.com.	198323
VXR13C001 MYSTIC13C001	Info	New version(s) ready.	N/A
VXR1F4112 MYSTIC1F4112	Error	Upgrade failed.	198263
VXR1FC111 MYSTIC1FC111	Info	Upgrade start: Alerts and configuration file update will be suppressed.	198279
VXR1FC112 MYSTIC1FC112	Info	Upgrade success: Resume connection home messages.	198262
VXR208001 MYSTIC208001	Warning	Purchase order file was not found from node {0}.	488461
VXR208002 MYSTIC208002	Warning	Purchase order file is incorrect or crashed of node {0}.	N/A
VXR208003 MYSTIC208003	Warning	The disks are possibly missed on node {0} based on purchase order file.	N/A
VXR20C001 MYSTIC20C001	Info	Download market appliance.	N/A
VXR20C002 MYSTIC20C002	Info	Install market appliance.	N/A
VXR230001	Critical	Proactive health check failed - report ID : critical	521650
VXR230011	Critical	Node {0} upgrade operation failed.	524430
VXR234001	Error	Proactive health check got errors - report ID : error	521650
VXR23C001	Info	Proactive health check passed - report ID : info	521650
VXR23C012	Info	Node {0} upgrade operation has started.	524428
VXR23C013	Info	Node {0} upgrade operation was successful.	524429
VXRFFFE MYSTICFFFE	Info	Test Call home to SYR/CSI.	198273

