



FUJITSU Software ServerView Suite Windows Server Integration Pack V8.0 for MS SCOM 2012

PRIMERGY Server Events in SCOM

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1. Abstract

This document lists all known warning/error events of the ServerView Agents and of controllers/applications which occur on PRIMERGY Servers. "Events" here mean the entries in the Windows Event Log. These events are supported in the Integration of PRIMERGY ServerView for Operations Manager.

This document is based on information supplied by OEM manufacturers to Fujitsu Technology Solutions and on information of the ServerView Agents.

1.1 Keywords

PRIMERGY, events, alerts, controller, ServerView, Agents, Event Log, System Center, Operations Manager, SCOM.

1.2 Abbreviations and terms

AAE	AAE
DDM	Duplex Data Manager
FTS	Fujitsu Technology Solutions
MIB	Management Information Base
SNMP	Simple Network Management Protocol
W2K3	Windows 2003
W2K8	Windows 2008
W2K12	Windows 2012

2. General information about this document

This document lists all known events of the ServerView Agents and of controllers/drivers which occur on PRIMERGY Servers. The document is based on information which was supplied by OEM vendors to Fujitsu Technology Solutions and on information of the ServerView Agents or other system-related applications.



Note:

In the event lists only events with severity 'WARNING' and 'ERROR' (not 'INFORMATIONAL') are listed.

2.1 Event Lists

Events of ServerView Agents/Components:

- HD-MIB
- NTCluster-MIB
- Threshold-MIB
- Server-Control2-MIB

Events of controller drivers / applications:

- ServerView RAID
- DuplexDataManager
- QLogic Fibre Channel Adapter
- Emulex Fibre Channel Adapter
- Broadcom LAN Controller
- Intel LAN Controller (Intel LAN Softwarekit)
- Events from the MP VBScripts

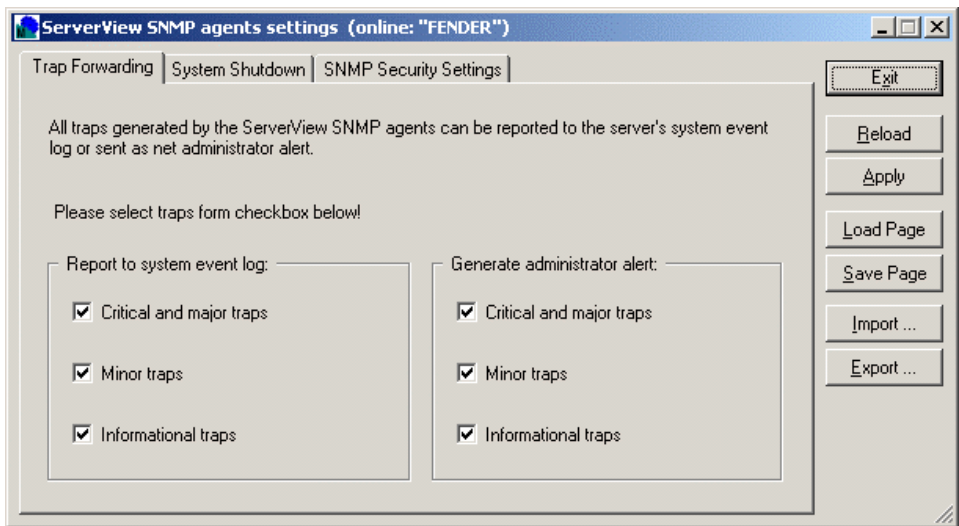
2.2 Activating events

2.2.1 Events of the ServerView Agents

The menu option

Start -> Programs -> Fujitsu -> ServerView Suite -> Agents -> Agent Configuration

(then select tab "Trap Forwarding") enables you to make the required configuration settings.



2.2.2 Events of the controller drivers

As it cannot be assumed that all controller drivers automatically write the events to the Windows Event Log, this must be checked using the relevant documentation on the controllers (e.g. readme files). If required, the events must then be activated according to the instructions listed.

2.2.3 Events of the SVISCOM VBScripts

Generally ERROR events are enabled, WARNING events are disabled.

Information about the Event Lists



Exception:

From V7.0 on the “communication error messages” are disabled, as they are covered by the new “communication monitors”.

To disable the ERROR events or enable the WARNING events the prepared overrides in the file “Fujitsu.Servers.PRIMERGY.EventRules.Overrides.xml” can be used: remove the comment signs (start: “<!--”, end: “-->”) around a rule you want enabled and then import this modified management pack.

2.3 Information about the Event Lists

Each event list contains the following information:

Controller	Controllers/drivers which generate these events. If this information is not relevant, it is omitted.
Event Log	The name of the Windows Event Log: System / Application
Source Name	Source name with which an event is listed in the Event Log. This is required in the Event Log together with the Event ID to ensure that the event is unambiguous.
Event ID	Number of the event
Severity	Severity of the event: Information / Warning / Error
Message	Text of the event. Placeholders for variable information in the text are indicated by « <...> », « %n » or « \$n ».
Description	Description of the event (insofar as this is made available by the controller manufacturer). The text of the description is marked by italics (if it is not contained in a separate column).
Resolutions / AAE	Description/Hints to resolve the problem that has caused the event

3. Events

3.1 HD-MIB

Event Log: Application

Source Name: "ServerView Agents"

Event ID	Severity	Message	Description	Resolutions / AAE
10750	Error	<HdTrapDeviceIndexPerAdapter> (<HdTrapDeviceName>), adapter <HdTrapAdapterNumber> (<HdTrapAdapterName>), on Server <HdTrapServerName>	Sent if a failure (S.M.A.R.T) has been predicted on a hard disk. SMART predicts failure on disk.	Replace the affected hard disk.

3.2 NTCluster-MIB

Event Log: Application

Source Name: "ServerView Agents"

Event ID	Severity	Message	Description	Resolutions / AAE
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10810	Error	SNMP cannot access cluster software	The SNMP agent started but could not communicate with the cluster service	1.) Check if Cluster Service is running. 2.) Check SNMP configuration.
10812	Error	SNMP lost access to the cluster software.	The SNMP agent has lost communication with the cluster service	1.) Check if Cluster Service is running. 2.) Check if SNMP Service is running.
10832	Error	The node <node> has changed its state	A cluster node has changed its state	Note: If state was manually changed this is only informational otherwise perform the following actions: 1.) Check status of all nodes in cluster manager. 2.) Reboot affected node.
10852	Error	Group has changed its state	A resource group has changed its state	Note: If state was manually changed this is only informational otherwise perform the following actions: 1.) Check status of the affected cluster group in cluster manager. 2.) Try to switch affected resource to a different node.
10862	Error	Resource %s has changed its state	A cluster resource has changed its state	Note: If state was manually changed this is only informational otherwise perform the following actions: 1.) Check status of the affected cluster group in cluster manager. 2.) Try to switch affected resource to a

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				different node.
10912	Error	Network %s has changed its state	A Network has changed its state	1.) Check network connection. 2.) Check IP configuration.
10922	Error	Network interface %s has changed its state	A network interface has changed its state	1.) Check network connection. 2.) Check IP configuration.
10932	Error	Cluster group %s has failed	A cluster resource group has failed	
10935	Error	Cluster resource %s has failed	A cluster resource has failed	Note: If state was manually changed this is only informational otherwise perform the following actions: 1.) Check status of the affected cluster group in cluster manager. 2.) Try to switch affected resource to a different node.
10938	Error	Cluster network %s unavailable	A cluster network is unavailable	1.) Check network connection. 2.) Check IP configuration.
10940	Error	Cluster network interface %s has failed	A cluster network interface has failed	1.) Check network connection. 2.) Check IP configuration.
10941	Error	Cluster network interface %s	A cluster network interface is unreachable	1.) Check network connection. 2.) Check IP configuration.

		unreachable		
10942	Error	Cluster network interface %s unavailable	A cluster network interface is unavailable	1.) Check network connection. 2.) Check IP configuration.

3.3 Threshold-MIB

Event Log: Application

Source Name: "ServerView Agents"

Event ID	Severity	Message	Description	Resolution / Action after Error
12200	Error	Threshold exceeded at server %s. The rule %s met condition with value %s.	The configured threshold has been exceeded	One of the configured thresholds in the Performance Manager has been exceeded. For details please check Performance Manager.
12201	Error	Threshold exceeded at server %s. The rule %s met condition with value %s.	The configured threshold has been exceeded	One of the configured thresholds in the Performance Manager has been exceeded. For details please check Performance Manager.
12202	Warning	Threshold exceeded at server %s. The rule %s met condition with value %s.	The configured threshold has been exceeded	One of the configured thresholds in the Performance Manager has been exceeded. For details please check Performance Manager.

3.4 SERVER-CONTROL2-MIB (SC2.MIB)

Event Log: Application

Source Name: "ServerView Agents"

Event ID	Severity	Message / Description	Resolutions / Action after Error
12001	Warning	The communication with management controller failed!	Note: This is no error condition!
12003	Warning	Controller selftest warning.	Note: This is no error condition!
12004	Error	Controller selftest error.	See server management message log (recovery log) for detailed information.
12005	Error	<p>A critical error happened while BIOS selftest in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. See server management message log (recovery log) for detailed information.</p> <p>A critical error happened while BIOS selftest. This error needs to be acknowledged to clear the error condition.</p>	<p>A critical error happened while BIOS selftest. This error needs to be acknowledged to clear the error condition.</p> <p>See server management message log (recovery log) for detailed information.</p>
12006	Error	The system was restarted after a severe problem at cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. See server management message log (recovery log) for detailed information.	See server management message log (recovery log) for detailed information.

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		The system was restarted after a severe problem. See server management message log (recovery log) for detailed information.	
12013	Error	Fan <sc2TrapObjectDesignation> will fail in near future in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. The indicated fan became critical	1.) Verify that the system fan is correctly mounted. 2.) Check if latest BIOS revision and BMC firmware is installed. 3.) If the problem persists replace the corresponding fan due to the instructions within the manual.
12014	Error	Fan <sc2TrapObjectDesignation> failed in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. The indicated fan failed.	1.) Verify that the system fan is correctly mounted. 2.) Check if latest BIOS revision and BMC firmware is installed. 3.) If the problem persists replace the corresponding fan due to the instructions within the service manual.
12015	Error	The redundant fan <sc2TrapObjectDesignation> failed in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. System can become critical if another fan in this group fails. The indicated redundant fan failed	1.) Verify that the system fan is correctly mounted. 2.) Check if latest BIOS revision and BMC firmware is installed. 3.) If the problem persists replace the corresponding fan due to the instructions within the service manual.
12021	Error	Temperature at sensor <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName> has reached	1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked. 2.) Verify whether the temperature within

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		<p>the warning level.</p> <p>The temperature of the indicated sensor has reached the warning level.</p>	<p>your environment did not increase above 35°C.</p> <p>3.) Verify that latest BIOS revision and BMC firmware is installed.</p> <p>4.) If the problem persists call your local Fujitsu Helpdesk.</p>
12022	Error	<p>Temperature at sensor <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName> has reached the critical level.</p> <p>The temperature of the indicated sensor is out of tolerance range. The system will shut down and power off if shutdown is enabled.</p>	<p>1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked.</p> <p>2.) Verify whether the temperature within your environment did not increase above 35°C.</p> <p>3.) Verify that latest BIOS revision and BMC firmware is installed.</p> <p>4.) If the problem persists call your local Fujitsu Helpdesk.</p>
12024	Error	<p>Temperature sensor <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName> is broken or not connected.</p> <p>The indicated temperature sensor is broken.</p>	<p>1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked.</p> <p>2.) Verify whether the temperature within your environment did not increase above 35°C.</p> <p>3.) Verify that latest BIOS revision and BMC firmware is installed.</p> <p>4.) If the problem persists call your local Fujitsu Helpdesk.</p>
12033	Error	<p>Insufficient operating power supplies available in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName>.</p> <p>Power supply status has become critical.</p>	<p>1.) Verify whether the AC connectors are fully plugged into all installed power supply units.</p> <p>2.) Verify that your power provider did not have any interruptions.</p> <p>3.) Replace defective power supply.</p> <p>4.) If problem persists call your local</p>

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			Fujitsu Helpdesk.
12034	Error	Power supply <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> failed. One hot-replace power supply failed.	1.) Verify whether the AC connectors are fully plugged into all installed power supply units. 2.) Verify that your power provider did not have any interruptions. 3.) Replace defective power supply. 4.) If problem persists call your local Fujitsu Helpdesk.
12035	Error	Redundant power supply <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> failed. System can become critical if another power supply fails. One redundant hot-replace power supply failed	1.) Verify whether the AC connectors are fully plugged into all installed power supply units. 2.) Verify that your power provider did not have any interruptions. 3.) Replace defective power supply. 4.) If problem persists call your local Fujitsu Helpdesk.
12036	Warning	Power supply redundancy in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> lost. System will become critical if a power supply fails. Power supply redundancy no longer available.	1.) Verify whether the AC connectors are fully plugged into all installed power supply units. 2.) Verify that your power provider did not have any interruptions. 3.) Replace defective power supply. 4.) If problem persists call your local Fujitsu Helpdesk.
12037	Error	Critical temperature in power supply.	
12038	Error	Fan failure prediction in power supply.	

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12039	Error	Fan failure in power supply.	
12040	Error	<p>AC failure in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>Mains failed in the specified cabinet. This trap can only happen in storage extension cabinets without UPS or BBU. A server will not have time to send this trap.</p>	<p>1.) Verify whether the AC connectors are fully plugged into all installed power supply units.</p> <p>2.) Verify that your power provider did not have any interruptions.</p> <p>3.) Replace defective power supply.</p> <p>4.) If problem persists call your local Fujitsu Helpdesk.</p>
12041	Error	<p>DC power failure in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>DC power failed in the specified cabinet. This is the result of the system's power-good sensor monitoring. The system may stop when this condition occurs.</p>	<p>1.) Verify whether the AC connectors are fully plugged into all installed power supply units.</p> <p>2.) Verify that your power provider did not have any interruptions.</p> <p>3.) Replace defective power supply.</p> <p>4.) If problem persists call your local Fujitsu Helpdesk.</p>
12042	Error	<p>AC failure. Cabinet <sc2TrapCabinetNr> is running on battery power since <sc2TrapInteger2> seconds. In <sc2TrapInteger> minutes server <sc2TrapInfoServerName> will shutdown.</p> <p>The UPS is operating on battery power or the power supply is drawing current from the backup battery unit (BBU). This trap is persistent and is resent at one minute intervals until the mains returns or the system is switched off.</p>	<p>1.) Verify whether the AC connectors are fully plugged into all installed power supply units.</p> <p>2.) Verify that your power provider did not have any interruptions.</p> <p>3.) Replace defective power supply.</p> <p>4.) If problem persists call your local Fujitsu Helpdesk.</p>

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12051	Error	Power supply voltage <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> is too low. Power supply voltage is too low.	1.) Check whether all power cables are correctly connected to the motherboard connectors. 2.) If the problem persists call your local Fujitsu Helpdesk.
12052	Error	Power supply voltage <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> is too high. Power supply voltage is too high.	1.) Check whether all power cables are correctly connected to the motherboard connectors. 2.) If the problem persists call your local Fujitsu Helpdesk.
12053	Error	Power supply voltage <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> is out of range. Power supply voltage is out of range.	1.) Check whether all power cables are correctly connected to the motherboard connectors. 2.) If the problem persists call your local Fujitsu Helpdesk.
12054	Error	Battery voltage <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName>: Battery is predicted to fail in near future. Battery is predicted to fail	1.) Disconnect AC and wait 30s before reconnect. 2.) If problem persists replace system battery.
12061	Error	Uncorrectable memory error at address <sc2TrapInteger> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>. An uncorrectable memory error at specified address was detected.	1.) Verify that latest BIOS and BMC firmware is installed. 2.) Reenable the disabled memory module. 3.) If problem persists replace the defective module. 4.) If memory replacement does not solve

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			<p>issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12063	Error	<p>Uncorrectable memory error at bank <sc2TrapInteger> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>An uncorrectable memory error at specified bank was detected.</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12065	Error	<p>Uncorrectable memory error at module <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>A uncorrectable memory error at specified module was detected.</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12067	Error	<p>Uncorrectable memory error in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>A uncorrectable memory error at unknown location was detected.</p>	<p>1.) Check if correct memory modules are populated.</p> <p>2.) Check if correct BIOS and BMC Firmware are used.</p> <p>3.) Reenable the memory modules in BIOS Setup.</p>

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			<p>4.) Replace memory module if problem is reproducible.</p> <p>5.) If problem persists call your local Fujitsu Helpdesk.</p>
12068	Error	<p>Memory module failure is predicted for module <sc2TrapCabinetNr> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>A memory module is predicted to fail (prefailure).</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12069	Error	<p>Memory module <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName> is failing.</p> <p>Too many errors have occurred.</p> <p>A memory module is failing.</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12070	Error	<p>Memory module <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName> had failed and was replaced by a hot-spare module</p> <p>A memory module had failed and was</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve</p>

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		replaced by a hot-spare module.	issue the system board might be exchanged as well. Note: An error on memory occurred which will lead to a failed module.
12071	Warning	Too many correctable memory errors in cabinet <sc2TrapInfoCabinetNr> at server <sc2TrapInfoServerName>. Error logging was disabled. Too many correctable memory errors; logging disabled.	1.) Verify that latest BIOS and BMC firmware is installed. 2.) Reenable the disabled memory module. 3.) If problem persists replace the defective module. 4.) If memory replacement does not solve issue the system board might be exchanged as well. Note: An error on memory occurred which will lead to a failed module.
12072	Warning	Error logging was enabled again in cabinet %d at server %s (after being disabled because of too many errors) Error logging was enabled again after being disabled because of too many errors.	1.) Verify that latest BIOS and BMC firmware is installed. 2.) Reenable the disabled memory module. 3.) If problem persists replace the defective module. 4.) If memory replacement does not solve issue the system board might be exchanged as well. Note: An error on memory occurred which will lead to a failed module.
12073	Error	A memory module in cabinet <sc2TrapInfoCabinetNr> of server <sc2TrapInfoServerName> had failed and was replaced by a hot-spare module. A memory module had failed and was replaced by a hot-spare module.	1.) Verify that latest BIOS and BMC firmware is installed. 2.) Reenable the disabled memory module. 3.) If problem persists replace the defective module. 4.) If memory replacement does not solve

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			<p>issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12074	Error	<p>Memory configuration in cabinet <sc2TrapInfoCabinetNr> of server <sc2TrapInfoServerName> has lost redundancy.</p> <p>A memory error caused loss of memory redundancy.</p>	<p>1.) Verify that latest BIOS and BMC firmware is installed.</p> <p>2.) Reenable the disabled memory module.</p> <p>3.) If problem persists replace the defective module.</p> <p>4.) If memory replacement does not solve issue the system board might be exchanged as well.</p> <p>Note: An error on memory occurred which will lead to a failed module.</p>
12081	Error	<p>CPU failure is predicted for CPU <sc2TrapObjectDesignation> in cabinet <sc2TrapCabinetNr> of server <sc2TrapInfoServerName>.</p> <p>A CPU is predicted to fail (prefailure).</p>	<p>1.) Verify that latest BIOS revision and BMC firmware is installed.</p> <p>2.) If problem persists replace the defective processor.</p> <p>3.) If processor replacement does not solve issue the system board might be exchanged as well.</p>
12082	Error	A CPU internal error (IERR) occurred	Replace failing CPU if error occurs repeatedly.
12083	Error	A CPU is disabled by BIOS	Reenable CPU. If error persists, replace failing CPU.
12095	Error	<p>Boot retry counter is zero on server <sc2TrapInfoServerName>.</p> <p>This trap will be sent when a boot</p>	<p>1.) Retry counter was decremented because of a severe problem and the following reboot of the system (ASR&R mechanism)</p> <p>2.) Retry counter is zero. So the server will</p>

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		<p>retry counter gets zero on power up.</p>	<p>stay off after the next shutdown caused by a problem</p> <p>3.) Check SEL for problems reports</p> <p>4.) Counter will be reset to default value after some time if system runs normally again.</p>
12100	Warning	<p>The System Event Log on server <sc2TrapInfoServerName> in cabinet <sc2TrapCabinetNr> is full. No more messages can be logged! Please clear unneeded log entries as soon as possible!</p> <p>The System Event Log (message log) is full. No more messages can be logged. This trap will not occur on wrap-around log types</p>	<p>Clear System Event Log in Diagnostic Tools/System Message Log Viewer.</p> <p>Use Export function to store existing Log.</p>
12101	Warning	<p>The System Event Log for cabinet <sc2TrapCabinetNr> at server <sc2TrapInfoServerName> has exceeded <sc2TrapInteger><sc2TrapInfoServerName> of its capacity.</p> <p>The warning threshold for the number of System Event Log entries has been exceeded.</p>	<p>Clear System Event Log in Diagnostic Tools/System Message Log Viewer.</p> <p>Use Export function to store existing Log.</p>
12102	Error	<p>An error was recorded on server <sc2TrapInfoServerName> before the management agents were started (boot phase). See server management message log (Recovery log) for detailed</p>	<p>See server management message log for detailed error description.</p>

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		<p>information.</p> <p>An error message was written into the system board's message log. This could have happened when an error occurred before the server management agents were running or any error without a specific trap. See server management message log for detailed error description.</p>	
12110	Error	<p>The front door or housing of cabinet <sc2TrapCabinetNr> was opened on server <sc2TrapInfoServerName>.</p> <p>The front door or housing was opened</p>	<p>1.) Check whether the housing has been closed correctly.</p> <p>2.) If problem persists check intrusion switch / cable.</p>
12112	Error	<p>The front door or housing of cabinet <sc2TrapCabinetNr> was opened or closed on server <sc2TrapInfoServerName>.</p> <p>The front door or housing was opened or closed</p>	<p>1.) Check whether the housing has been closed correctly.</p> <p>2.) If problem persists check intrusion switch / cable.</p>
12113	Error	<p>A PCI bus system or parity error happened in cabinet <sc2TrapInfoCabinetNr> on server <sc2TrapInfoServerName>.</p> <p>PCI bus system/parity error.</p>	<p>1.) Check adapter cards in PCI slots</p> <p>2.) If problem is reproducible replace adapter card</p> <p>3.) Check if correct BIOS and BMC firmware are used.</p> <p>4.) If problem persists call your local Fujitsu Helpdesk.</p> <p>Note: An error occurred on the PCI bus. Most likely reasons are plugged PCI cards (e.g. RAID controller). Also onboard</p>

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			components may cause this error.
12120	Error	Warning status on component '<sc2TrapInfoObjectDesignation>' in cabinet <sc2TrapInfoCabinetNr> of server '<sc2TrapInfoServerName>'. This component may be replaced by the customer. Customer self service component changed to warning status.	1.) Replace affected component. 2.) If problem persists call your local Fujitsu Helpdesk.
12121	Error	Fail status on component '<sc2TrapInfoObjectDesignation>' in cabinet <sc2TrapInfoCabinetNr> of server '<sc2TrapInfoServerName>'. This component may be replaced by the customer. Customer self service component changed to fail status.	1.) Replace affected component. 2.) If problem persists call your local Fujitsu Helpdesk.
12122	Error	Warning status on component '<sc2TrapInfoObjectDesignation>' in cabinet <sc2TrapInfoCabinetNr> of server '<sc2TrapInfoServerName>'. This component may be replaced by the customer. Customer self service component changed to warning status.	1.) Replace affected component. 2.) If problem persists call your local Fujitsu Helpdesk.
12123	Error	Fail status on component '<sc2TrapInfoObjectDesignation>' of server '<sc2TrapInfoServerName>'. This component may be replaced by the	1.) Replace affected component. 2.) If problem persists call your local Fujitsu Helpdesk.

ServerView Raid (RAID.MIB)

		customer. Customer self-service component changed to fail status.	
12131	Error	Power consumption limit changed to warning status.	
12132	Error	Power consumption limit changed to critical status.	
12151	Warning	Driver Monitoring detected a warning event.	
12152	Error	Driver Monitoring detected an error event.	

3.5 ServerView Raid (RAID.MIB)

Event Log: **Application**

Source Name: "ServerView RAID"

Event ID	Severity	Message / Description	Resolutions / Action after Error
4	ERROR	Unexpected disconnect from ServerView RAID Manager (Server %s)	
10002	WARNING	Write access to ServerView RAID revoked by user %s (%s) (Server %s). Write Access to ServerView RAID	For Information only.

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		revoked	
10003	ERROR	Adapter %s: BBU temperature out of range (Server %s) Battery Temperature out of Range	1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked. 2.) Verify whether the temperature within your environment is not out of range 3.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 4.) If the problem persists call your local Fujitsu Helpdesk.
10004	ERROR	Adapter %s: BBU temperature unstable (Server %s) Battery Temperature unstable	1.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 2.) If problem persists replace Battery Backup Unit (BBU). 3.) If the problem still persists call your local Fujitsu Helpdesk.
10005	ERROR	Adapter %s: BBU temperature above threshold (Server %s) Battery Temperature above threshold	1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked. 2.) Verify whether the temperature within your environment is not above threshold. 3.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 4.) If the problem persists call your local Fujitsu Helpdesk.
10006	ERROR	Adapter %s: BBU voltage out of range (Server %s)	1.) Check whether the BBU data/power cable is correctly connected to the RAID controller

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		Battery Voltage out of Range	connector. 2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 3.) If problem persists replace Battery Backup Unit (BBU). 4.) If the problem still persists call your local Fujitsu Helpdesk.
10007	ERROR	Adapter %s: BBU voltage unstable (Server %s) Battery Voltage unstable	1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector. 2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 3.) If problem persists replace Battery Backup Unit (BBU).
10008	ERROR	Adapter %s: BBU voltage below threshold (Server %s) Battery Voltage below threshold	1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector. 2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 3.) If problem persists replace Battery Backup Unit (BBU). 4.) If the problem still persists call your local Fujitsu Helpdesk.
10009	ERROR	Adapter %s: BBU communication error (Server %s) Battery Communication Error	1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector. 2.) Verify that current RAID controller and iRMC

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			<p>firmware as well as current BIOS is installed.</p> <p>3.) If problem persists replace Battery Backup Unit (BBU).</p> <p>4.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10013	ERROR	Adapter %s: BBU failed (Server %s) Battery failed	<p>Note: If recalibration process is running this message is only informational. Recalibration process may take up to 1 day.</p> <p>1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector.</p> <p>2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed.</p> <p>3.) If problem persists replace Battery Backup Unit (BBU).</p> <p>4.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10014	ERROR	Adapter %s: BBU fast charging failed (Server %s) Battery Fast Charging failed	<p>Note: If possible do not interrupt the charging process by reboots or shutdowns. If this error occurs without interruptions perform the following actions:</p> <p>1.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed.</p> <p>2.) If problem persists replace Battery Backup Unit (BBU).</p> <p>3.) If the problem still persists call your local Fujitsu Helpdesk.</p>

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10015	WARNING	Adapter %s: BBU charge count exceeded (Server %s) Battery Charge Count exceeded	1.) Initiate a manual recalibration process (e. g. via ServerView RAID Manager). Note: If possible do not interrupt the charging process by reboots or shutdowns. 2.) If problem persists replace Battery Backup Unit (BBU). 3.) If the problem still persists call your local Fujitsu Helpdesk.
10016	WARNING	Adapter %s: BBU needs reconditioning (Server %s) Battery needs recondition	Note: By default BBU recalibration is automatically initiated all 30 days. 1.) If BBU recalibration is disabled initiate a manual recalibration process (e. g. via ServerView RAID Manager).
10022	ERROR	Adapter %s: Physical disk (%s) marked offline (Server %s) Physical Disk marked offline	Note: If affected hard disk was manually set offline this is only informational otherwise perform the following actions: 1.) If the offline hard disk is member of an array initiate a rebuild to the offline hard disk otherwise set hard disk online. 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10023	ERROR	Adapter %s: Physical disk (%s) timed out (Server %s) Physical Disk timed out	Note: In general additional error messages should occur. If there are no other actions defined call your local Fujitsu Helpdesk.
10025	WARNING	Adapter %s: Global hot spare	For Information only.

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		deleted on physical disk (%s) (Server %s) Global Hotspare deleted on Physical Disk	
10027	WARNING	Adapter %s: Dedicated hot spare deleted on physical disk (%s) (Server %s) Dedicated Hotspare deleted on Physical Disk	For Information only.
10030	ERROR	Adapter %s: Rebuild on physical disk (%s) failed (Server %s) Rebuild on Physical Disk failed	1.) Manually initiate a second rebuild (e. g. via ServerView RAID Manager). 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10031	ERROR	Adapter %s: Bad block on physical disk (%s) LBA %s detected (Server %s) Bad Block on Physical Disk detected	Replace the affected hard disk.
10033	WARNING	Adapter %s: Physical disk (%s) removed (Server %s) Physical Disk removed	Note: If affected hard disk has been removed this is only informational otherwise perform the following actions: 1.) Unplug affected hard disk, wait 30s and reinsert it. 2.) If the problem persists, replace affected hard disk. 3.) If the problem persists, replace affected

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			backplane or the data cable. 4.) If the problem still persists call your local Fujitsu Helpdesk.
10036	ERROR	Adapter %s: Bad sector on physical disk (%s) detected (Server %s) Bad Sector on Physical Disk detected	Replace the affected hard disk.
10037	ERROR	Adapter %s: COD I/O error on physical disk (%s) (Server %s) COD I/O Error on Physical Disk	1.) Manually initiate a rebuild (e. g. via ServerView RAID Manager) of the affected hard disk. 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10038	ERROR	Adapter %s: Error on physical disk (%s) detected (Server %s) Error on Physical Disk detected	Replace the affected hard disk.
10040	ERROR	Adapter %s: Retry I/O on physical disk (%s) (Server %s) Retry I/O on Physical Disk	If problem occurs repeatedly replace the affected hard disk.
10041	ERROR	Adapter %s: ECC Error on physical disk (%s) (Server %s) ECC Error on Physical Disk	If problem occurs repeatedly replace the affected hard disk.
10043	ERROR	Adapter %s: Media error on physical disk (%s) (Server %s) Media Error on Physical Disk	Replace the affected hard disk.

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10044	WARNING	Adapter %s: S.M.A.R.T. warning on physical disk (%s) (Server %s) S.M.A.R.T. Warning on Physical Disk	Note: Physical hard disk reports a prefailure. The affected hard disk might fail soon. 1.) Replace hard disk during next maintenance.
10045	WARNING	Adapter %s: S.M.A.R.T. error on physical disk (%s) (Server %s) S.M.A.R.T. Error on Physical Disk	Replace the affected hard disk.
10046	ERROR	Adapter %s: Bad physical disk inserted in enclosure %s (Server %s) Bad Physical Disk inserted in Enclosure	Replace the affected hard disk.
10047	ERROR	Adapter %s: Enclosure %s powered down (Server %s) Enclosure powered down	If this error message is not a result of a planned power off of the external storage subsystem: 1.) Check the power cable(s). 2.) Check the mains voltage. 3.) Replace affected power supply(s). 4.) If the problem still persists call your local Fujitsu Helpdesk.
10049	ERROR	Adapter %s: Fan %s in enclosure %s failed (Server %s) Fan in Enclosure failed	1.) Replace the affected fan within the external storage subsystem.
10050	ERROR	Adapter %s: Temperature sensor %s in enclosure %s above threshold (Server %s) Temperature Sensor in Enclosure above Threshold	1.) Verify that the air flow is not blocked and that the housing is closed. 2.) Verify whether the temperature within your environment did not increase above threshold. 3.) If the problem persists call your local

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			Fujitsu Helpdesk.
10051	ERROR	Adapter %s: Power supply %s in enclosure %s failed (Server %s) Power supply in enclosure failed	1.) Check the power cable. 2.) Check the mains voltage. 3.) Replace the affected power supply. 4.) If the problem still persists call your local Fujitsu Helpdesk.
10052	ERROR	Adapter %s: 3.3V power failed for physical drive (%s) (Server %s) 3.3V Power failed for Physical Disk	1.) Check whether all cables are correctly connected to the hard disk backplane connectors. 2.) Replace the affected hard disk. 3.) If the problem persists call your local Fujitsu Helpdesk.
10053	ERROR	Adapter %s: 5.0V power failed for physical drive (%s) (Server %s) 5.0V Power failed for Physical Disk	1.) Check whether all cables are correctly connected to the hard disk backplane connectors. 2.) Replace the affected hard disk. 3.) If the problem persists call your local Fujitsu Helpdesk.
10054	ERROR	Adapter %s: 12V power failed for physical drive (%s) (Server %s) 12V Power failed for Physical Disk	1.) Check whether all cables are correctly connected to the hard disk backplane connectors. 2.) Replace the affected hard disk. 3.) If the problem persists call your local Fujitsu Helpdesk.
10057	ERROR	Adapter %s: Rebuild failed on logical drive %s (Server %s) Rebuild failed on Logical Drive	1.) Manually initiate a second rebuild (e. g. via ServerView RAID Manager). 2.) If the problem still persists call your local Fujitsu Helpdesk.

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10058	WARNING	Adapter %s: Rebuild aborted on logical drive %s (Server %s) Rebuild aborted on Logical Drive	Note: Rebuild was probably aborted by user. ATTENTION: The affected RAID array is still degraded. 1.) The rebuild should be started again as soon as possible.
10062	ERROR	Adapter %s: Consistency check failed on logical drive %s (Server %s) Consistency Check failed on Logical Drive	Failure happens only if a physical drive out of the logical drive failed. 1.) Check state of logical drive. 2.) If logical drive not ONLINE, check state of concerned physical drives. 3.) Check for additional error messages for concerned physical drives. 4.) Act like described in this message for concerned physical drive.
10063	WARNING	Adapter %s: Consistency check aborted on logical drive %s (Server %s) Consistency Check aborted on Logical Drive	Note: Consistency check was probably aborted by user. 1.) The consistency check should be started again as soon as possible.
10066	ERROR	Adapter %s: Consistency check finished with errors on logical drive %s (Server %s) Consistency check finished with errors on logical drive	Manually initiate a second consistency check (MDC) (e. g. via ServerView RAID Manager). Only if problem persists: 2.) Backup the data from the affected logical drive. 3.) Delete and recreate affected logical drive. 4.) Restore the data. 5.) If the problem still persists call your local

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			Fujitsu Helpdesk.
10067	ERROR	Adapter %s: Inconsistency detected on logical drive %s at LBA %s (Server %s) Inconsistency detected on logical drive	Check if logical drive is initialized. If initialized check the following: 2.) Backup your data. 3.) Start a consistency check with fix. 4.) Compare backup data with data on logical drive. If different (data lost) 5.) Restore last good data.
10070	ERROR	Adapter %s: Migration failed on logical drive %s (Server %s) Migration failed on logical drive	Note: The logical drive is failed (multi dead). 1. Replace broken drives. 2. Create new configuration and restore last good data.
10071	WARNING	Adapter %s: Migration aborted on logical drive %s (Server %s) Migration aborted on logical drive	Note: Migration was probably aborted by user. For information only.
10074	WARNING	Adapter %s: Patrol Read aborted (Server %s) Patrol Read aborted	Note: Patrol read was probably aborted by user. For information only.
10078	WARNING	Adapter %s: Logical drive %s degraded (Server %s) Logical drive degraded	1.) Manually initiate a rebuild of the affected hard disk (e. g. via ServerView RAID Manager). 2.) If problem persists replace affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.

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10079	ERROR	Adapter %s: Logical drive %s failed (Server %s) Logical drive failed	Note: Sometimes it is possible to recover without data loss. Further investigation is needed. 1.) If the problem still persists call your local Fujitsu Helpdesk.
10081	WARNING	Adapter %s: Logical drive %s deleted (Server %s) Logical drive deleted	For information only.
10083	ERROR	Adapter %s: Logical drive %s: Error on physical disk (%s) (Server %s) Logical drive error on physical disk	Replace the affected hard disk.
10084	ERROR	Adapter %s: Logical drive %s: Bad block at LBA %s detected (Server %s) Logical drive bad block detected	1.) Try to rewrite data. 2.) If problem persists replace affected hard disk.
10089	WARNING	Adapter %s: BGI canceled on logical drive %s (Server %s) Background Initialization canceled on logical drive	For information only.
10090	WARNING	Adapter %s: Initialization canceled on logical drive %s (Server %s) Initialization canceled on logical drive	For information only.
10093	ERROR	Adapter %s: Hot spare operation on logical drive %s failed (Server %s)	1.) Unplug affected hard disk, wait 30s and reinsert it.

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		Hot spare Operation on logical drive failed	2.) Replace affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10094	ERROR	Adapter %s: Logical drive %s forced from failed to degraded (Server %s) Logical Drive forced from failed to degraded	1.) Temporary offline case. 2.) Try to rebuild remaining defect drive.
10096	WARNING	Adapter %s: Alarm disabled (Server %s) Alarm disabled	For information only.
10139	WARNING	Adapter %s: Channel %s disabled (Server %s) Channel disabled	1.) Connection issue. 2.) Check all of your cabling.
10151	ERROR	Adapter %s: BBU voltage problem detected (Server %s) BBU Voltage Problem detected	1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector. 2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 3.) If problem persists replace Battery Backup Unit (BBU). 4.) If the problem still persists call your local Fujitsu Helpdesk.
10152	ERROR	Adapter %s: BBU temperature problem detected (Server %s) BBU Temperature Problem detected	1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked. 2.) Verify whether the temperature within your

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			<p>environment is not above threshold.</p> <p>3.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed.</p> <p>4.) If the problem persists call your local Fujitsu Helpdesk.</p>
10154	ERROR	Adapter %s: BBU failed (Server %s) BBU failed	<p>Note: If recalibration process is running this message is only informational. Recalibration process may take up to 1 day.</p> <p>1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector.</p> <p>2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed.</p> <p>3.) If problem persists replace Battery Backup Unit (BBU).</p> <p>4.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10157	WARNING	Adapter %s: Disk error fixed (Server %s) Disk Error fixed	For information only.
10170	ERROR	Reboot required (Server %s) Reboot required	For information only.
10195	ERROR	Adapter %s: Unable to recover cache data from TBBU (Server %s) Unable to recover cache data from TBBU	Call your local Fujitsu Helpdesk.

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10197	ERROR	Adapter %s: Cluster down; communication with peer lost (Server %s) Cluster down; communication with peer lost	Call your local Fujitsu Helpdesk.
10200	ERROR	Adapter %s: Adapter cache discarded due to memory/BBU problems (Server %s)	Call your local Fujitsu Helpdesk.
10201	ERROR	Adapter %s: Unable to recover cache data due to configuration mismatch (Server %s) Unable to recover cache data	Call your local Fujitsu Helpdesk.
10203	ERROR	Adapter %s: Adapter cache discarded due to firmware version Incompatibility (Server %s) Controller cache discarded	1.) Flash current RAID controller and iRMC firmware as well as current BIOS revision. 2.) If the problem still persists call your local Fujitsu Helpdesk.
10204	ERROR	Adapter %s: Fatal firmware error: %s (Server %s) Fatal firmware error.	1.) Disconnect AC and wait 30s before reconnect. 2.) If the problem persists call your local Fujitsu Helpdesk.
10206	ERROR	Adapter %s: Flash downloaded image corrupt (Server %s) Flash downloaded image corrupt	1.) Download again. 2.) Retry flash. 3.) If the problem persists call your local Fujitsu Helpdesk.
10207	ERROR	Adapter %s: Flash erase error (Server %s) Flash erase error	1.) Replace the affected RAID controller. 2.) If the problem persists call your local Fujitsu Helpdesk.

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10208	ERROR	Adapter %s: Flash timeout during erase (Server %s) Flash timeout during erase	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10209	ERROR	Adapter %s: Flash error (Server %s) Flash error	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10212	ERROR	Adapter %s: Flash programming error (Server %s) Flash programming error	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10213	ERROR	Adapter %s: Flash timeout during programming (Server %s) Flash timeout during programming	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10214	WARNING	Adapter %s: Flash chip type unknown (Server %s) Flash chip type unknown	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10215	ERROR	Adapter %s: Flash command set unknown (Server %s) Flash command set unknown	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.

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10216	ERROR	Adapter %s: Flash verification failure (Server %s) Flash verify failure	1.) Retry flash. 2.) Replace the affected RAID controller. 3.) If the problem persists call your local Fujitsu Helpdesk.
10221	ERROR	Adapter %s: Multi-bit ECC error: ECAR=%s, ELOG=%s, (%) (Server %s) Multi-bit ECC error	If problem occurs repeatedly replace the RAID controller DIMM module (cache).
10222	ERROR	Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%) (Server %s) Single-bit ECC error	If problem occurs repeatedly replace the RAID controller DIMM module (cache).
10223	ERROR	Adapter %s: Not enough adapter memory (Server %s) Not enough controller memory	1.) Replace the RAID controller DIMM module (cache). 2.) If problem persists replace RAID controller.
10231	ERROR	Background Initialization completed with uncorrectable errors Background Initialization completed with uncorrectable errors	Initiate consistency check via ServerView RAID Manager.
10232	ERROR	Adapter %s: BGI detected uncorrectable multiple medium errors (physical drive (%) at LBA %s on logical drive %) (Server %s) Background Initialization detected uncorrectable double medium errors	1.) Replace affected hard disk. 2.) If the problem still persists call your local Fujitsu Helpdesk.
10233	ERROR	Adapter %s: BGI failed on logical drive %s (Server %s)	1.) Restart Background init (BGI). 2.) Replace affected hard disk.

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		Background Initialization failed	3.) If the problem still persists call your local Fujitsu Helpdesk.
10237	ERROR	Adapter %s: Consistency check found inconsistent parity on logical drive %s at stripe %s (Server %s) Consistency Check found inconsistent parity	1.) Start consistency check (CC) again. Only if problem persists: 2.) Backup the data from the affected logical drive. 3.) Delete and recreate affected logical drive. 4.) Restore the data. 5.) If the problem still persists call your local Fujitsu Helpdesk.
10240	ERROR	Adapter %s: Initialization failed on logical drive %s (Server %s) Initialization failed	1.) Start initialization again. 2.) If the problem still persists call your local Fujitsu Helpdesk.
10245	ERROR	Adapter %s: Migration detected uncorrectable multiple medium errors (logical drive %s at LBA %s on physical drive (%s) at LBA %s) (Server %s) Migration detected uncorrectable multiple medium errors	1.) Replace affected hard disk. 2.) If the problem still persists call your local Fujitsu Helpdesk.
10248	ERROR	Adapter %s: Resume migration of logical drive %s failed due to Configuration Mismatch (Server %s) Reconstruction resume failed	1.) Check the RAID configuration and the event log for additional information. 2.) Backup the data from the affected logical drive. 3.) If the problem still persists call your local Fujitsu Helpdesk.

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10250	WARNING	Adapter %s: Clear aborted on physical drive (%s) (Server %s) Clear aborted	For information only.
10251	ERROR	Adapter %s: Clear failed on physical drive (%s) (error %s) (Server %s) Clear failed	1.) Flash current RAID controller and iRMC firmware as well as current BIOS revision. 2.) Verify that current RAID controller drivers are installed. 3.) Disconnect AC and wait 30 seconds before reconnect. 4.) If the problem persists call your local Fujitsu Helpdesk.
10255	ERROR	Adapter %s: Error on physical drive (%s) (error %s) (Server %s) Error on Physical Drive	1.) Replace affected hard disk. 2.) If the problem still persists call your local Fujitsu Helpdesk.
10258	ERROR	Adapter %s: Hot spare S.M.A.R.T. polling failed on physical drive (%s) (error %s) (Server %s) Hot Spare S.M.A.R.T. polling failed	Call your local Fujitsu Helpdesk.
10259	ERROR	Adapter %s: Physical drive (%s) is not supported (Server %s) Physical Disk not supported	Install supported hard disk.
10262	ERROR	Adapter %s: Patrol Read found an uncorrectable medium error on physical drive (%s) at LBA %s (Server %s) Patrol Read found an uncorrectable	1.) Replace affected hard disk. 2.) If the problem still persists call your local Fujitsu Helpdesk.

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		medium error	
10263	WARNING	Adapter %s: Predictive failure: Physical drive (%s) (Server %s) Predictive failure	Note: Physical hard disk reports a pre failure. The affected hard disk might fail soon. 1.) Replace hard disk during next maintenance.
10264	ERROR	Adapter %s: Puncturing bad block on physical drive (%s) at LBA %s (Server %s) Puncturing bad block	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10265	WARNING	Adapter %s: Rebuild aborted by user on physical drive (%s) (Server %s) Rebuild aborted by user	For information only.
10271	ERROR	Adapter %s: Rebuild stopped on physical drive (%s) due to loss of cluster ownership (Server %s) Rebuild stopped	1.) Restart rebuild. 2.) If the problem persists call your local Fujitsu Helpdesk.
10272	ERROR	Adapter %s: Reassign write operation failed on physical drive (%s) at LBA %s (Server %s) Reassign write operation failed	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10273	ERROR	Adapter %s: Unrecoverable medium error during rebuild on physical drive (%s) at LBA %s (Server %s) Unrecoverable medium error during rebuild	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10275	ERROR	Adapter %s: Unrecoverable medium error during recovery on physical	1.) Replace affected hard disk. 2.) If the problem persists call your local

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		drive (%s) at LBA %s (Server %s) Unrecoverable medium error during recovery	Fujitsu Helpdesk.
10279	ERROR	Adapter %s: Redundant path to physical drive (%s) broken (Server %s) Redundant path broken	Call your local Fujitsu Helpdesk.
10281	ERROR	Adapter %s: Dedicated hot spare (%s) no longer useful due to deleted array (Server %s) Dedicated Hot Spare no longer useful	For information only.
10282	ERROR	Adapter %s: SAS topology error: Loop detected (Server %s) SAS topology error: Loop detected	Check the SAS configuration and cabling.
10283	ERROR	Adapter %s: SAS topology error: Unaddressable device (Server %s) SAS topology error: Unaddressable device	Check the SAS configuration and cabling.
10284	ERROR	Adapter %s: SAS topology error: Multiple ports to the same SAS address (Server %s) SAS topology error: Multiple ports to the same SAS address	Check the SAS configuration and cabling.
10285	ERROR	Adapter %s: SAS topology error: Expander error (Server %s)	1.) Check the SAS configuration and cabling. 2.) If problem persists replace affected SAS

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		SAS topology error: Expander error	backplane.
10286	ERROR	Adapter %s: SAS topology error: SMP timeout (Server %s) SAS topology error: SMP timeout	Check the SAS configuration and cabling.
10287	ERROR	Adapter %s: SAS topology error: Out of route entries (Server %s) SAS topology error: Out of route entries	Check the SAS configuration and cabling.
10288	ERROR	Adapter %s: SAS topology error: Index not found (Server %s) SAS topology error: Index not found	Check the SAS configuration and cabling.
10289	ERROR	Adapter %s: SAS topology error: SMP function failed (Server %s) SAS topology error: SMP function failed	Check the SAS configuration and cabling.
10290	ERROR	Adapter %s: SAS topology error: SMP CRC error (Server %s) SAS topology error: SMP CRC error	Check the SAS configuration and cabling.
10291	ERROR	Adapter %s: SAS topology error: Multiple subtractive (Server %s) SAS topology error: Multiple subtractive	Check the SAS configuration and cabling.
10292	ERROR	Adapter %s: SAS topology error: Table to table (Server %s) SAS topology error: Table to table	Check the SAS configuration and cabling.

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10293	ERROR	Adapter %s: SAS topology error: Multiple paths (Server %s) SAS topology error: Multiple paths	Check the SAS configuration and cabling.
10294	ERROR	Adapter %s: Unable to access physical drive (%s) (Server %s) Unable to access Physical Disk	1.) Unplug affected hard disk, wait 30 seconds and reinsert it. 2.) Replace affected hard disk. 3.) Replace affected backplane. 4.) If the problem still persists call your local Fujitsu Helpdesk.
10295	WARNING	Adapter %s: Dedicated hot spare not useful for all arrays (Server %s) Dedicated Hotspare not useful for all arrays	For information only.
10296	WARNING	Adapter %s: Global hot spare does not cover all arrays (Server %s) Global Hotspare does not cover all arrays	Note: The size of the global hot spare is not sufficient to secure all arrays.
10297	WARNING	Adapter %s: Marking logical drive %s inconsistent due to active writes at shutdown (Server %s) Marking inconsistent	Initiate consistency check via ServerView RAID Manager.
10303	ERROR	Adapter %s: BBU has failed and cannot support data retention (Server %s) Battery has failed and cannot support data retention	If the error message occurs right after replacement of the BBU it can be safely ignored. The situation can occur due to the insufficient BBU charge. If the error message occurs during regular

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			operation replace the Battery Backup Unit (BBU).
10307	WARNING	Adapter %s: BBU relearn timed out (Server %s) Battery relearn timed out	1.) Initiate a manual recalibration process (e. g. via ServerView RAID Manager). Note: If possible do not interrupt the charging process by reboots or shutdowns. 2.) If problem persists replace Battery Backup Unit (BBU). 3.) If the problem still persists call your local Fujitsu Helpdesk.
10314	WARNING	Adapter %s: BBU removed (Server %s) Battery removed	For information only.
10317	WARNING	Adapter %s: Enclosure %s communication lost (Server %s) Enclosure communication lost	1.) Check data cable(s) to enclosure. 2.) Check if enclosure is running. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10320	WARNING	Adapter %s: Enclosure %s fan %s removed (Server %s) Enclosure fan removed	For information only.
10321	ERROR	Adapter %s: Enclosure %s EMM %s failed (Server %s) Enclosure EMM failed	Call your local Fujitsu Helpdesk.
10323	ERROR	Adapter %s: Enclosure %s EMM %s removed (Server %s) Enclosure EMM removed	For information only.
10324	ERROR	Adapter %s: Enclosure %s shutdown	For information only.

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		(Server %s) Enclosure shutdown	
10325	WARNING	Adapter %s: Enclosure %s not supported; too many enclosures connected to port (Server %s) Enclosure not supported; too many Enclosures connected to port	Check your enclosure configuration.
10326	ERROR	Adapter %s: Enclosure %s firmware mismatch (EMM %s) (Server %s) Enclosure firmware mismatch	Call your local Fujitsu Helpdesk.
10327	ERROR	Adapter %s: Enclosure %s sensor %s bad (Server %s) Enclosure sensor bad	Call your local Fujitsu Helpdesk.
10328	ERROR	Adapter %s: Enclosure %s phy bad for slot %s (Server %s) Enclosure phy bad	Replace affected hard disk.
10329	ERROR	Adapter %s: Enclosure %s is unstable (Server %s) Enclosure is unstable	Call your local Fujitsu Helpdesk.
10330	ERROR	Adapter %s: Enclosure %s not responding (Server %s) Enclosure hardware error	1.) Check data cable(s) to enclosure. 2.) Check if enclosure is running. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10331	ERROR	Adapter %s: Enclosure %s not responding (Server %s)	1.) Check data cable(s) to enclosure. 2.) Check if enclosure is running.

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		Enclosure not responding	3.) If the problem still persists call your local Fujitsu Helpdesk.
10332	WARNING	Adapter %s: SAS/SATA mixing not supported in enclosure; %s disabled (Server %s) SAS/SATA mixing not supported in Enclosure	Check your hard disk configuration within Enclosure.
10336	WARNING	Adapter %s: Physical drive (%s) too small to be used for auto rebuild (Server %s) Physical Disk too small to be used for auto-rebuild	Check your hard disk configuration.
10338	WARNING	Adapter %s: BBU disabled; changing Write-back logical drives to Write-through (Server %s) BBU disabled; changing WriteBack virtual disks to WriteThrough	Note: If recalibration process is running this message is only informational. Recalibration process may take up to 1 day. 1.) Check whether the BBU data/power cable is correctly connected to the RAID controller connector. 2.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 3.) If problem persists replace Battery Backup Unit (BBU). 4.) If the problem still persists call your local Fujitsu Helpdesk.
10340	ERROR	Adapter %s: Bad block table on physical drive (%s) is full; unable to log Block %s (Server %s)	Replace affected hard disk.

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		Bad block table full	
10341	WARNING	Adapter %s: MDC aborted due to ownership loss on logical drive %s (Server %s) MDC Aborted Due to Ownership Loss	1.) Restart consistency check (MDC). 2.) If the problem persists call your local Fujitsu Helpdesk.
10342	WARNING	Adapter %s: BGI aborted due to ownership loss on logical drive %s (Server %s) Background Initialization (BGI) Aborted	1.) Restart background init (BGI). 2.) If the problem persists call your local Fujitsu Helpdesk.
10343	ERROR	Adapter %s: BBU/charger problems detected; SOH bad (Server %s) Battery/charger problems detected	Replace Battery Backup Unit (BBU).
10344	WARNING	Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s); critical threshold exceeded (Server %s) Single-bit ECC error; critical threshold exceeded	If problem occurs repeatedly replace the RAID controller DIMM module (cache).
10345	ERROR	Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s); Error threshold exceeded (Server %s) Single-bit ECC error; Error threshold exceeded	1.) Replace the RAID controller DIMM module (cache). 2.) If problem persists replace RAID controller.
10346	ERROR	Single-bit ECC error: further reporting disabled	Call your local Fujitsu Helpdesk.
10347	WARNING	Adapter %s: Enclosure %s power	Check the enclosure power cable(s).

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		supply %s cable removed (Server %s) Enclosure power supply cable removed	
10352	ERROR	Adapter %s: BBU retention test failed! (Server %s) BBU Retention test failed	Note: In general additional error messages should occur. If there are no other actions defined call your local Fujitsu Helpdesk.
10355	ERROR	Adapter %s: NVRAM retention test failed! (Server %s) NVRAM Retention test failed	Note: In general additional error messages should occur. If there are no other actions defined call your local Fujitsu Helpdesk.
10357	ERROR	Self-check test FAILED on %s pass. fail data: (Server %s) Self-check test failed	Note: In general additional error messages should occur. If there are no other actions defined call your local Fujitsu Helpdesk.
10362	WARNING	Adapter %s: NVRAM is corrupt; reinitializing (Server %s) NVRAM is corrupt; reinitializing	If problem occurs repeatedly replace the RAID controller.
10363	WARNING	Adapter %s: NVRAM mismatch occurred (Server %s) NVRAM mismatch occurred	If problem occurs repeatedly replace the RAID controller.
10364	WARNING	Adapter %s: SAS wide port %s lost link on PHY %s (Server %s) SAS wide port lost link on PHY	1.) Unplug affected hard disk, wait 30 seconds and reinsert it. 2.) Check/replace the cable between controller and the affected hard disk. 3.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed. 4.) Replace affected hard disk.

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			5.) If the problem still persists call your local Fujitsu Helpdesk.
10366	WARNING	Adapter %s: SAS port %s, PHY %s has exceeded the allowed error rate (Server %s) SAS port has exceeded the allowed error rate	Note: Physical hard disk reports errors. The affected hard disk might fail soon. 1.) Replace hard disk as soon as possible.
10367	WARNING	Adapter %s: Bad block reassigned on physical drive (%s) from LBA %s to LBA %s (Server %s) Bad block reassigned	If problem occurs repeatedly replace hard disk during next maintenance.
10376	ERROR	Adapter %s: Enclosure %s firmware download failed (Server %s) Enclosure Firmware download failed	Call your local Fujitsu Helpdesk.
10377	WARNING	Adapter %s: Physical drive (%s) is not a certified drive (Server %s) Disk is not a certified drive	Check the type of your hard disk.
10378	WARNING	Adapter %s: Dirty cache data discarded by user (Server %s) Dirty cache data discarded by user	For information only.
10379	WARNING	Disk missing from configuration at boot (Server %s) Hard drives missing from configuration at boot	Check your RAID configuration.
10380	WARNING	Adapter %s: Logical drives missing drives and will go offline at boot:	Check your RAID configuration.

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		%s (Server %s) Logical drives missing drives and will go offline at boot	
10381	WARNING	Adapter %s: Logical drives missing at boot: %s (Server %s) VDs missing at boot	Check your RAID configuration.
10382	WARNING	Adapter %s: Previous configuration completely missing at boot (Server %s) Previous configuration completely missing at boot	Check your RAID configuration.
10388	WARNING	Adapter %s: Logical drive %s partially degraded (Server %s) Logical Drive is partially degraded	Replace affected hard disk.
10389	WARNING	Adapter %s: BBU requires reconditioning; please initiate a LEARN cycle (Server %s)"	Please initiate a LEARN cycle.
10398	ERROR	Adapter %s: MDC finished with errors on logical drive %s (Server %s) MDC finished with Errors on Logical Drive	1.) Manually initiate a second Consistency check (MDC) (e. g. via ServerView RAID Manager). 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10401	WARNING	Adapter %s: Logical drive %s disabled because SAS drives are not supported by this RAID key (Server	Check the hard disks.

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		%s) Logical Drive disabled because SAS drives not supported	
10402	WARNING	Adapter %s: Physical drives missing (Server %s) Physical Disks missing	Check your RAID configuration.
10408	ERROR	Adapter %s: MDC failed on logical drive %s (Server %s) MDC failed on Logical Drive	1.) Manually initiate a second consistency check (MDC) (e. g. via ServerView RAID Manager). 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10409	WARNING	Adapter %s: MDC aborted on logical drive %s (Server %s) MDC aborted on Logical Drive	For information only.
10412	WARNING	Adapter %s: State change on logical drive %s from operational to degraded (Server %s) State change from operational to degraded	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10413	WARNING	Adapter %s: State change on logical drive %s from operational to partially degraded (Server %s) State change from operational to partially degraded	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10414	ERROR	Adapter %s: State change on logical	1.) Verify that current RAID controller and iRMC

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		drive %s from operational to failed (Server %s) State change from operational to failed	firmware as well as current BIOS is installed. 2.) If the problem persists call your local Fujitsu Helpdesk.
10416	WARNING	Adapter %s: State change on logical drive %s from degraded to degraded (Server %s) State change from degraded to degraded	Call your local Fujitsu Helpdesk.
10417	WARNING	Adapter %s: State change on logical drive %s from degraded to partially degraded (Server %s) State change from degraded to partially degraded	For information only.
10418	ERROR	Adapter %s: State change on logical drive %s from degraded to failed (Server %s) State change from degraded to failed	1.) Replace affected hard disks. 2.) The array has to be recreated. 3.) If the problem persists call your local Fujitsu Helpdesk. Note: Data loss is possible!
10420	WARNING	Adapter %s: State change on logical drive %s from partially degraded to degraded (Server %s)" State change from partially degraded to degraded	1.) Replace affected hard disks. 2.) If the problem persists call your local Fujitsu Helpdesk.
10421	WARNING	Adapter %s: State change on logical drive %s from partially degraded to partially degraded (Server %s)	Call your local Fujitsu Helpdesk.

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		State change from partially degraded to partially degraded	
10422	ERROR	Adapter %s: State change on logical drive %s from partially degraded to failed (Server %s) State change from partially degraded to failed	1.) Replace affected hard disks. 2.) The array has to be recreated. 3.) If the problem persists call your local Fujitsu Helpdesk. Note: Data loss is possible!
10424	WARNING	Adapter %s: State change on logical drive %s from failed to degraded (Server %s) State change from failed to degraded	For information only.
10425	WARNING	Adapter %s: State change on logical drive %s from failed to partially degraded (Server %s) State change from failed to partially degraded	For information only.
10426	ERROR	Adapter %s: State change on logical drive %s from failed to failed (Server %s) State change from failed to failed	Call your local Fujitsu Helpdesk.
10427	ERROR	Adapter %s: State change by user on physical drive (%s) from available to failed (Server %s) State change by user from available to failed	For information only.

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10432	ERROR	Adapter %s: State change by user on physical drive (%s) from failed to failed (Server %s) State change by user from failed to failed	For information only.
10437	ERROR	Adapter %s: State change by user on physical drive (%s) from hot spare to failed (Server %s) State change by user from hotspare to failed	For information only.
10442	ERROR	Adapter %s: State change by user on physical drive (%s) from rebuilding to failed (Server %s) State change by user from rebuild to failed	For information only.
10447	ERROR	Adapter %s: State change by user on physical drive (%s) from operational to failed (Server %s) State change by user from operational to failed	For information only.
10451	ERROR	Adapter %s: State change on physical drive (%s) from available to failed (Server %s) State change from available to failed	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10456	ERROR	Adapter %s: State change on physical drive (%s) from failed to	Call your local Fujitsu Helpdesk.

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		failed (Server %s) State change from failed to failed	
10461	ERROR	Adapter %s: State change on physical drive (%s) from hot spare to failed (Server %s) State change from hot spare to failed	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10466	ERROR	Adapter %s: State change on physical drive (%s) from rebuilding to failed (Server %s) State change from rebuild to failed	1.) Manually initiate a second rebuild (e. g. via ServerView RAID Manager). 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10471	ERROR	Adapter %s: State change on physical drive (%s) from operational to failed (Server %s) State change from operational to failed	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10475	ERROR	Adapter %s: MDC detected uncorrectable multiple medium errors (physical drive (%s) at LBA %s on logical drive %s) (Server %s) MDC detected uncorrectable multiple medium errors on Logical Drive	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10476	ERROR	Adapter %s: Physical drive (%s) missing after reboot (Server %s) Physical drive missing after reboot	Check your RAID configuration.

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10477	ERROR	Adapter %s: Logical drive %s missing after reboot (Server %s) Logical drive missing after reboot	Check your RAID configuration.
10480	ERROR	Adapter %s: Puncturing of LBAs enabled (Server %s) Puncture enabled	Call your local Fujitsu Helpdesk.
10481	ERROR	Adapter %s: Puncturing of LBAs disabled (Server %s) Puncture disabled	Call your local Fujitsu Helpdesk.
10482	ERROR	Adapter %s: Enclosure %s EMM %s not installed (Server %s) Enclosure EMM not installed	Call your local Fujitsu Helpdesk.
10485	WARNING	State change from available to offline	For information only.
10486	WARNING	State change by user from available to offline	For information only.
10487	WARNING	State change by user from failed to offline	For information only.
10488	WARNING	Adapter %s: State change by user on physical drive (%s) from hot spare to offline (Server %s) State change by user from hot spare to offline	For information only.
10490	ERROR	Adapter %s: State change by user on physical drive (%s) from offline to	For information only.

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		failed (Server %s) State change by user from offline to failed	
10492	WARNING	State change by user from offline to offline	For information only.
10495	WARNING	Adapter %s: State change by user on physical drive (%s) from operational to offline (Server %s) State change by user from operational to offline	For information only.
10496	WARNING	Adapter %s: State change by user on physical drive (%s) from rebuilding to offline (Server %s) State change by user from rebuild to offline	For information only.
10497	WARNING	State change from failed to offline	For information only.
10498	WARNING	Adapter %s: State change on physical drive (%s) from hot spare to offline (Server %s) State change from hot spare to offline	1.) Manually set the hard disk to hot spare again (e. g. via ServerView RAID Manager). 2.) If problem persists replace the affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10500	ERROR	Adapter %s: State change on physical drive (%s) from offline to failed (Server %s) State change from offline to failed	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.

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10502	WARNING	State change from offline to offline	For information only.
10505	WARNING	Adapter %s: State change on physical drive (%s) from operational to offline (Server %s) State change from operational to offline	Note: If status change was forced by user this message is only informational otherwise: 1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10506	WARNING	Adapter %s: State change on physical drive (%s) from rebuilding to offline (Server %s) State change from rebuild to offline	Note: If status change was forced by user this message is only informational otherwise: 1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10508	ERROR	Adapter %s: Data in cache not flushed during power up (Server %s) Data in cache not flushed during power up	If problem occurs repeatedly call your local Fujitsu Helpdesk.
10512	ERROR	Adapter %s: Logical drive %s: Error on physical disk %s %s (Server %s) Logical drive error on physical disk	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10514	ERROR	Adapter %s: Consistency check finished with errors on logical drive %s: %s (Server %s) Consistency check finished with errors on logical drive	Manually initiate a second consistency check (MDC) (e. g. via ServerView RAID Manager). Only if problem persists: 1.) Backup the data from the affected logical drive. 2.) Delete and recreate affected logical drive.

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			<p>3.) Restore the data.</p> <p>4.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10515	ERROR	<p>Adapter %1: Error on logical drive %2 detected (Server %s)</p> <p>Error on logical drive detected</p>	<p>1.) Check/replace the cable between controller and the affected hard disk.</p> <p>2.) If problem persists replace hard disk.</p> <p>3.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10516	ERROR	<p>Adapter %s: Physical drive (%s) forced from failed to online (Server %s)</p> <p>Physical drive forced from failed to online</p>	For information only.
10517	WARNING	<p>Adapter %s: Transfer speed of physical disk (%s) changed (Server %s)</p> <p>Transfer speed of physical disk changed</p>	<p>1.) Check/replace the cable between controller and the affected hard disk.</p> <p>2.) If problem persists replace hard disk.</p> <p>3.) If the problem still persists call your local Fujitsu Helpdesk.</p>
10518	ERROR	<p>Adapter %s: SAS port %s lost link (Server %s)</p> <p>SAS port lost link</p>	<p>1.) Unplug affected hard disk, wait 30 seconds and reinsert it.</p> <p>2.) Check/replace the cable between controller and the affected hard disk.</p> <p>3.) Verify that current RAID controller and iRMC firmware as well as current BIOS is installed.</p> <p>4.) Replace affected hard disk.</p> <p>5.) If the problem still persists call your local</p>

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			Fujitsu Helpdesk.
10522	WARNING	Adapter %s: Global affinity hot spare (%s) commissioned in a different enclosure (Server %s) Global affinity hot spare commissioned in a different enclosure	Check your RAID configuration.
10523	WARNING	Adapter %s: Foreign configuration table overflow (Server %s) Foreign configuration table overflow	Call your local Fujitsu Helpdesk.
10524	WARNING	Adapter %s: Partial foreign configuration imported, physical disks not imported: %s (Server %s) Partial foreign configuration imported	Note: Only parts of your config were imported. 1.) Call your local Fujitsu Helpdesk.
10526	ERROR	Adapter %s: Adapter missing after reboot (Server %s) Adapter missing after reboot	Note: If controller was removed by user this message is only informational otherwise: 1.) Unplug affected controller, wait 30 seconds and reinsert it. Only if problem persists: 2.) Replace affected controller. 3.) If the problem still persists replace mainboard. 4.) If the problem still persists call your local Fujitsu Helpdesk.

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10528	WARNING	Adapter %s: Rebuild aborted on physical disk (%s) (Server %s) Rebuild aborted on Physical Disk	Note: If rebuild was aborted by user this message is only informational otherwise: 1.) Initiate a rebuild again (e. g. via ServerView RAID Manager). 2.) If the problem persists call your local Fujitsu Helpdesk.
10529	ERROR	Adapter %s: Consistency Check finished with %s correctable errors on logical drive %s (Server %s) Consistency Check finished with correctable errors on logical drive	1.) Manually initiate a second consistency check (MDC) (e. g. via ServerView RAID Manager). Only if problem persists: 2.) Backup the data from the affected logical drive. 3.) Delete and recreate affected logical drive. 4.) Restore the data. 5.) If the problem still persists call your local Fujitsu Helpdesk.
10530	ERROR	Adapter %s: Consistency Check finished with %s uncorrectable errors on logical drive %s (Server %s) Consistency Check finished with uncorrectable errors on logical drive	1.) Backup the data from the affected logical drive. 2.) Delete and recreate affected logical drive. 3.) Restore the data. 4.) If the problem still persists call your local Fujitsu Helpdesk.
10532	ERROR	Adapter %s: MDC finished with %s uncorrectable errors on logical drive %s (Server %s) MDC finished with uncorrectable errors on logical drive	1.) Backup the data from the affected logical drive. 2.) Delete and recreate affected logical drive. 3.) Restore the data. 4.) If the problem still persists call your local

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			Fujitsu Helpdesk.
10534	WARNING	Adapter %s: Changed adapter property detected after reboot (Server %s)Changed adapter property detected after reboot	Check your adapter properties (e. g. via ServerView RAID Manager).
10536	WARNING	Adapter %s: Command timeout on disk (%s), CDB:%s (Server %s) Command timeout on disk ([..]), CDB:[..]	Note: Only if problem occurs repeatedly: 1.) Check/replace the cable between controller and the affected hard disk. 2.) If problem persists replace affected hard disk and/or backplane. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10537	WARNING	Disk (disk) reset (type) Disk ([..]) reset (type [..])	Note: Only If problem occurs repeatedly: 1.) Check/replace the cable between controller and the affected hard disk. 2.) If problem persists replace affected hard disk. 3.) If the problem still persists call your local Fujitsu Helpdesk.
10538	WARNING	Adapter %s: Bad block table on logical drive %s is 80% full Bad block table on logical drive [..] is 80% full	Check for additional error messages for concerned physical drives.
10539	ERROR	Adapter %s: Bad block table on logical drive %s is full; unable to log LBA %s (on disk (%s) at LBA %s) (Server %s).	Check for additional error messages for concerned physical drives.

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		Bad block table on logical drive [...] is full; unable to log LBA [...] (on disk ([...]) at LBA [...])	
10540	ERROR	Adapter %s: Uncorrectable medium error logged for logical drive at LBA %s (on disk (%s) at LBA %s) (Server %s). Uncorrectable medium error logged for logical drive [...] at LBA [...] (on disk ([...]) at LBA [...])	Check for additional error messages for concerned physical drives.
10542	WARNING	Adapter %s: Bad block table on disk (%s) is 100% full (Server %s) Bad block table on disk ([...]) is 100% full	1.) Replace affected hard disk. 2.) If the problem persists call your local Fujitsu Helpdesk.
10543	WARNING	Adapter %s: Bad block table on logical drive %s is 100% full (Server %s). Bad block table on logical drive [...] is 100% full.	Check for additional error messages for concerned physical drives.
10544	ERROR	Adapter %s: Adapter needs replacement, faulty IOP detected (Server %s). Adapter needs replacement, faulty IOP detected.	1.) Replace the affected RAID controller. 2.) If the problem persists call your local Fujitsu Helpdesk.
10551	ERROR	Adapter %s: Copy back failed on disk (Server %s). Copy back failed on disk ([...]) due	Check for additional error messages for concerned physical drives.

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		to an error on redundancy disk.	
10552	WARNING	Adapter %s: Early power off warning was unsuccessful (Server %s) Early power off warning was unsuccessful	Call your local Fujitsu Helpdesk.
10556	WARNING	Adapter %s: Foreign configuration metadata needs to be upgraded, may become incompatible (Server %s). Foreign configuration metadata needs to be upgraded, may become incompatible.	For information only.
10565	WARNING	Adapter %s: Redundant path broken for disk (%s) (Server %s) Redundant path broken for disk ([..])	Call your local Fujitsu Helpdesk.
10567	WARNING	Adapter %s: Redundant enclosure EMM %s removed for EMM %s (Server %s) Redundant enclosure EMM [..] removed for EMM [..]	Call your local Fujitsu Helpdesk.
10568	WARNING	Adapter %s: Patrol Read can't be started, all logical drives have active processes (Server %s) Patrol Read can't be started, all logical drives have active processes	For information only.
10570	ERROR	Adapter %s: Copyback aborted on hot spare (%s) from disk (%s) as hot	Call your local Fujitsu Helpdesk.

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		spare needed for rebuild (Server %s) Copyback aborted on hot spare ([..]) from disk ([..]) as hot spare needed for rebuild	
10571	WARNING	Adapter %s: Copyback aborted on disk (%s) from disk (%s) as rebuild required in the array (Server %s) Copyback aborted on disk ([..]) from disk ([..]) as rebuild required in the array	Call your local Fujitsu Helpdesk.
10572	ERROR	Adapter %s: Cache discarded for logical drive (missing or offline) %s (Server %s) Cache discarded for logical drive (missing or offline) [..]	For information only.
10575	ERROR	Adapter %s: Redundancy building failed on disk (%s) (Server %s) Redundancy building failed on disk ([..])	Call your local Fujitsu Helpdesk.
10576	WARNING	Adapter %s: Redundancy building aborted on disk (%s) (Server %s) Redundancy building aborted on disk ([..])	Call your local Fujitsu Helpdesk.
10588	WARNING	Adapter %s: Firmware update timeout on disk (%s) (Server %s) Firmware update timeout on disk	Call your local Fujitsu Helpdesk.

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		([.])	
10589	WARNING	Adapter %s: Firmware update failed on disk (%s) (Server %s) Firmware update failed on disk ([.])	Call your local Fujitsu Helpdesk.
10601	WARNING	Adapter %s: Periodic BBU relearn is pending. Please initiate manual learn cycle as automatic learn is not enabled (Server %s) Periodic BBU relearn is pending. Please initiate manual learn cycle as automatic learn is not enabled	Initiate manual learn cycle as automatic learn is not enabled.
10606	WARNING	Disk security key, re-key operation failed	Call your local Fujitsu Helpdesk.
10607	WARNING	Disk security key is invalid	Call your local Fujitsu Helpdesk.
10609	WARNING	Disk security key from escrow is invalid	Call your local Fujitsu Helpdesk.
10611	WARNING	Logical drive [...] is partially secured	For information only.
10616	ERROR	Security subsystem problems detected for disk ([.])	Call your local Fujitsu Helpdesk.
10617	ERROR	Adapter cache pinned for missing or offline logical drive [...]	For information only.
10618	ERROR	Adapter cache pinned for missing or	For information only.

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		offline logical drives	
10621	WARNING	MDC started on an inconsistent logical drive	For information only.
10622	WARNING	Disk security key failure, cannot access secured configuration	Call your local Fujitsu Helpdesk.
10623	WARNING	Disk security pass phrase from user is invalid	Call your local Fujitsu Helpdesk.
10625	WARNING	Abnormal shutdown sequence detected	
10626	ERROR	Abnormal shutdown sequence detected	Call your local Fujitsu Helpdesk.
10627	ERROR	Internal hardware error during POST	Call your local Fujitsu Helpdesk.
10630	ERROR	Disk ([..]) failed due to bad block table overflow	Replace affected disk.
10631	ERROR	Disk ([..]) failure detected during POST	Replace affected disk.
10632	ERROR	Failure detected during POST	Call your local Fujitsu Helpdesk.
10633	ERROR	Multiple failure on disk ([..]) detected, internal info [..]	Replace affected disk.
10635	ERROR	Disk ([..]) failure detected by Patrol Read	Replace affected disk.
10636	ERROR	Disk ([..]) failure detected after successfully building redundancy	Replace affected disk.
10637	ERROR	Disk ([..]) failure detected after aborting building redundancy	Replace affected disk.

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10638	ERROR	Disk ([..]) failed	Replace affected disk.
10639	ERROR	Disk ([..]) failed, internal info [..]	Replace affected disk.
10658	WARNING	Operation failed	
10660	WARNING	Array [..] without logical drive left	
10661	WARNING	Incorrect calendar parameter detected	
10662	ERROR	Copyback on logical drive [..] aborted due to bad block table overflow	
10663	ERROR	Redundant copy on logical drive [..] aborted due to bad block table overflow	
10667	WARNING	Bad block detected on disk ([..])	
10672	WARNING	SAS error detected on disk ([..])	
10675	WARNING	Disk location in logical drive changed	For information only.
10680	WARNING	Driver error	
10682	WARNING	Copyback aborted on disk	For information only. Note: If there are errors directly before or after this event, perform the proper recovery action for that error.

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10684	WARNING	Internal hardware error (minor)	1) Replace affected RAID controller.
10685	ERROR	Internal hardware error (major)	1) Replace affected RAID controller.
10686	ERROR	Disk ([..]) bad block table overflow error	A large number of uncorrectable bad blocks were detected on the disk. 1) Restore last good data.
10687	WARNING	Error with the remote BBU connector cable detected	1) Check if BBU data/power cable is properly connected. 2) Replace the BBU data/power cable.
10688	ERROR	Multiple failures on disk detected during POST.	1) Replace affected disk. 2) Replace affected backplane or the data cable.
10689	ERROR	Disk failed due to SAS/SATA interface error rate too high.	1) Replace affected disk. 2) Replace affected backplane or the data cable.
10694	ERROR	Logical drive degraded due to bad block table overflow.	A large number of uncorrectable bad blocks were detected on the disk. 1) Restore last good data.
10695	ERROR	Disk failed due to write error detection by driver.	1) Replace affected disk.
10696	WARNING	Abnormal capacity of disk in logical drive detected.	Check the array configuration.
10697	WARNING	Illegal type of disk in logical drive detected.	Check the array configuration.
10700	ERROR	Internal PCI hardware error.	Replace affected RAID controller.
10701	WARNING	Bad block table was updated by disk.	For information only.
10702	WARNING	Invalid disk on port during start	For information only.

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		up detected.	
10703	WARNING	Invalid disk on port during hot swap detected.	For information only.
10704	WARNING	S.M.A.R.T. error on disk because internal error threshold on adapter is exceeded.	Note: Disk reports a prefailure. The affected disk might fail soon. 1) Replace the disk during next maintenance.
10705	WARNING	Firmware and driver version mismatch.	Check the driver and firmware version.
10711	ERROR	Disk failed since it never entered ready state.	Replace affected disk.
10712	WARNING	Internal software interface error.	Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.
10713	WARNING	Device open error.	Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.
10714	WARNING	Ioctl send error.	Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.
10715	WARNING	Insufficient application memory.	Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.
10716	WARNING	System API error.	Note: The driver encountered an error.

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			<p>1) Check the status of the operating system.</p> <p>2) Reboot your system.</p>
10717	ERROR	Firmware initialization failed.	1) Replace affected RAID controller.
10718	ERROR	Firmware recovery failed.	1) Replace affected RAID controller.
10729	WARNING	BBU requires recalibration.	<p>1) Initiate manual recalibration process (e.g. via ServerView RAID Manager). Note: Do not interrupt the charging process by reboots or shutdowns.</p> <p>2) If problem persists after couple of recalibrations replace BBU.</p>
10732	WARNING	Task for object cannot be started. The scheduler will try to start the task again later.	Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.
10734	ERROR	Task for object cannot be started. The scheduler has disabled the task.	Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.
10736	ERROR	SAS topology error.	<p>1) Unplug affected disk, wait 30 seconds, reinsert it.</p> <p>2) Replace affected disk.</p> <p>3) Replace affected backplane or the data cable.</p>
10737	WARNING	BBU required reconditioning; recalibration initiated.	<p>For information only.</p> <p>Note: Do not interrupt the charging process by reboot or shutdown.</p>
10738	WARNING	Task for object could not be started at the normal execution time because the service or system	Check the scheduler settings.

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		was down.	
10739	WARNING	Task for object cannot be started. The task will be set to the next regular execution time.	Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.
10755	ERROR	State change from copyback to failed.	Replace affected disk.
10757	WARNING	State change from copyback to offline.	For information only.
10763	ERROR	State change from JBOD to failed.	Replace affected disk.
10765	WARNING	State change from JBOD to offline.	For information only.
10781	ERROR	State change by user from copyback to failed.	Replace affected disk.
10783	WARNING	State change by user from copyback to offline.	For information only.
10789	ERROR	State change by user from JBOD to failed.	For information only.
10791	WARNING	State change by user from JBOD to offline	For information only.
10801	WARNING	Disk security failed to communicate with EKMS.	Call your local Fujitsu Helpdesk.
10803	WARNING	Logical drive secure failed.	For information only.
10804	ERROR	Controller encountered a fatal error and was reset.	1) Replace affected RAID controller.

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10805	ERROR	Configuration command could not be committed to disk.	1) Retry command. 2) If problem persists, call your local Fujitsu Helpdesk.
10807	WARNING	Power state change failed on disk (from active to stopped)	Replace affected disk.
10808	WARNING	Power state change failed on disk (from stopped to active)	Replace affected disk.
10809	WARNING	Logical drive is not ready	For information only.
10812	WARNING	Adapter has been replaced during reboot	For information only.
10813	WARNING	Enclosure power supply removed	For information only.
10814	WARNING	Enclosure power supply turned off	For information only.
10817	WARNING	Enclosure temperature sensor below warning threshold	1) Check environmental temperature.
10818	ERROR	Enclosure temperature sensor below error threshold	1) Check environmental temperature.
10819	WARNING	Enclosure temperature sensor above warning threshold	1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature.
10820	ERROR	Enclosure temperature sensor above error threshold	1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature.
10822	WARNING	Power state change failed on disk (from active to transition)	Replace affected disk.

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10824	WARNING	Power state change failed on disk (from stopped to transition)	Replace affected disk.
10826	WARNING	Power state change failed on disk (from transition to active)	Replace affected disk.
10828	WARNING	Power state change failed on disk (from transition to stopped)	Replace affected disk.
10829	WARNING	Reset on-board expander	For information only.
10846	WARNING	Consistency check rejected on uninitialized logical drive	Initiate manual MDC to initialize the logical drive.
10852	WARNING	CacheCade capacity changed	For information only.
10853	WARNING	BBU life has degraded and cannot initiate transparent learn cycles	1) Perform manual relearn cycle. 2) If problem persists, replace BBU.
10857	WARNING	Advanced software options serial number mismatched	Controller serial number does not match with premium feature key. Apply key to appropriate controller.
10858	WARNING	BBU cannot support data retention	BBU capacity is decreased and buffering of data in controller cache is limited. To reach full data retention time replace BBU.
10860	WARNING	Logical drive cannot transition to maximum power savings	For information only.
10864	WARNING	Disk link failed in SAS wide port	1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Check/replace cable between controller and affected disk.

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			3) Check version of RAID controller/iRMC firmware, and BIOS. 4) Replace affected disk.
10867	WARNING	FBU power pack is sub-optimal	Replace FBU.
10868	WARNING	Foreign configuration auto-import did not import any drives	Attempt to import a foreign config failed. Call your local Fujitsu Helpdesk.
10869	WARNING	FBU firmware update required	Call your local Fujitsu Helpdesk.
10870	WARNING	CacheCade(TM) capacity exceeds maximum allowed size	Call your local Fujitsu Helpdesk.
10871	WARNING	Logical drive protection information lost	Call your local Fujitsu Helpdesk.
10873	ERROR	Diagnostics failed for disk	Replace affected disk.
10890	ERROR	Erase failed on disk	Call your local Fujitsu Helpdesk.
10895	ERROR	Erase failed on logical drive	Call your local Fujitsu Helpdesk.
10899	WARNING	Potential leakage during erase on logical drive	Call your local Fujitsu Helpdesk.
10900	WARNING	BBU charging was suspended due to high BBU temperature	Bring system back to normal operating temperature.
10902	WARNING	FBU firmware update failed	Call your local Fujitsu Helpdesk.
10903	ERROR	Logical drive access blocked as cached data in CacheCade(TM) is unavailable	Call your local Fujitsu Helpdesk.
10906	ERROR	CacheCade(TM) disassociate failed	Call your local Fujitsu Helpdesk.

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		on logical drive	
10909	WARNING	Unexpected sense	For information only.
10910	ERROR	Unexpected sense	For information only.
10914	WARNING	Advanced Software Options was deactivated for [...]	Call your local Fujitsu Helpdesk.
10918	WARNING	Patrol Read aborted on disk	For information only. Note: If there are errors directly before or after this event, perform the proper recovery action for that error.
10919	WARNING	Transient error detected while communicating with disk	Replace affected disk/backplane/cable at next service Note: Doesn't affect the normal operation of the system, but can lead to degraded performance due to retries
10924	WARNING	State change on disk from shielded to offline	Replace affected disk.
10925	ERROR	State change on disk from shielded to failed	Replace affected disk.
10931	ERROR	State change on disk from shielded to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10932	ERROR	State change on disk from available to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.

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10933	ERROR	State change on disk from offline to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10934	ERROR	State change on disk from failed to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10935	ERROR	State change on disk from hot spare to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10936	ERROR	State change on disk from rebuilding to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10937	ERROR	State change on disk from operational to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10938	ERROR	State change on disk from copyback to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10939	ERROR	State change on disk from JBOD to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10941	WARNING	State change by user on disk from shielded to offline	Replace affected disk.
10942	ERROR	State change by user on disk from	Replace affected disk.

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		shielded to failed	
10948	ERROR	State change by user on disk from shielded to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10949	ERROR	State change by user on disk from available to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10950	ERROR	State change by user on disk from offline to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10951	ERROR	State change by user on disk from failed to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10952	ERROR	State change by user on disk from hot spare to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10953	ERROR	State change by user on disk from rebuilding to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10954	ERROR	State change by user on disk from operational to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10955	ERROR	State change by user on disk from copyback to shielded	1. Wait till checking in shielded state is completed.

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			2. Perform action according upcoming status.
10956	ERROR	State change by user on disk from JBOD to shielded	1. Wait till checking in shielded state is completed. 2. Perform action according upcoming status.
10957	ERROR	Internal error	If problem persists after reboot, call your local Fujitsu Helpdesk.
10958	ERROR	Incompatible PCI slot bandwidth	Reinstall adapter in a compatible PCI slot.
10959	WARNING	Write performance reduced	Check additional status property for more information.
10960	WARNING	Write operations disabled	Check additional status property for more information.
10961	WARNING	Temperature close to error threshold	Increase cooling or reduce write load.
10962	ERROR	Temperature above error threshold	Increase cooling or reduce write load.
10963	ERROR	Internal voltage out of range	If problem persists after reboot, call your local Fujitsu Helpdesk.
10964	ERROR	Auxiliary voltage out of range	If problem persists after reboot, call your local Fujitsu Helpdesk.
10965	ERROR	Flashback error	1) Backup data from affected adapter. 2) Replace adapter as soon as possible. 3) Restore data.
10966	ERROR	Non-correctable PCI errors detected	If problem persists after reboot, call your local Fujitsu Helpdesk.
10967	WARNING	Temperature above warning threshold	Increase cooling or reduce write load.

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10968	WARNING	Memory is close to wearing out	Formatting to a smaller size will free up reserve.
10969	WARNING	Non-optimal PCI slot bandwidth	Reinstall adapter in an optimal PCI slot.
10970	WARNING	Correctable PCI errors detected	For information only.
10971	WARNING	Power loss protection disabled	Activate power loss protection.
10972	WARNING	Write regulation activated due to power constraints of PCI slot	If this condition persists, switch to a higher powered PCI slot or attach external power cable.
10973	WARNING	Write regulation activated due to high temperature	If this condition persists, increase air flow, lower room temperature or reduce write load.
10974	WARNING	Write regulation activated to ensure adapter lifespan	If this condition persists, reduce write load.
10975	WARNING	Running in minimal status	Check additional status property for more information.
10976	WARNING	PCI power budget alarm	Switch to a higher powered PCI slot or attach external power cable.
10977	WARNING	LEB map missing	If problem persists after reboot, call your local Fujitsu Helpdesk.
10978	WARNING	Update in progress	The adapter will not be usable until formatting is complete.
10979	WARNING	Reserves depleted	Formatting to a smaller size will free up reserve.
10981	ERROR	Attach failed	If problem persists, call your local Fujitsu Helpdesk.
10982	WARNING	Detach failed	1) Force detach. 2) If problem persists, call your local Fujitsu Helpdesk.

10984	ERROR	Detached	For information only.
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3.6 Duplex Data Manager (DDM)

Event Log: **System**

Source Name: "ddm"

Event ID	Severity	Message / Description	Resolutions / Action after Error
1	Warning	DW PxPxTxLx: Thread allocation failed! DDM cannot control this device correctly because there is a lack of memory.	Please check your system if there are any drivers leaking memory or if the system really needs more physical memory.
2	Warning	DW PxPxTxLx failed! DDM has discovered a failure at the device PxPxTxLx. The status of the device is set to Error, and no data is written to this device anymore.	Examine the event details to get the reason for this error. If the reason is some kind of read or write error, and this error occurs more than one or two times, you should replace the disk. In other cases or after replacing the disk recover the error device.
3	Warning	DW PxPxTxLx: Memory allocation problem! DDM cannot control this device correctly because there is a lack of memory.	Please report this message to your driver supplier.
6	Warning	DW PxPxTxLx: No or invalid on disk	If you this message refers to a disk, which should have a valid COD, please report this

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		configuration found! DDM cannot find the configuration data on this disk.	message to Fujitsu Siemens support. Otherwise, please re-format the disk as it probably contains stale data from an old configuration.
7	Warning	DW PxPxTxLx: Too many SCSI ports in system! DDM supports up to 256 ports. This number is reached now. DDM will not work in this case.	Please unplug controllers.
8	Warning	DW PxPxTxLx: Recover aborted! While a DuplexWrite group (DW group) was recovering, this recover process was aborted.	Check standard details (0x30-0x33) for possible reasons.
9	Warning	DW PxPxTxLx: Forced to be ONLINE! This piece of a DW-Group was set from a non-online state (error, disabled, recover) to online by the driver. This may happen, if the other piece was not online too.	Please check your configuration.
16	Warning	DW PxPxTxLx: Configuration error. Mirror size < used disk space. Data loss possible! The size of the disk, to which the data of the other disk of the DW group should be copied (Mirror) is less than all partitions listed in the partition-table of the source disk.	However, this caused - the solution is to break up the DW group and create it again. If the disk corresponding to this group was a cluster resource it please remove this resource from cluster and recreate it after fixing the issue again.

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18	Warning	<p>MP PxPxTxLx: failed and was disabled!</p> <p>DDM has detected a failure on this path. The path is not usable anymore. Recovering from error will be logged by event id 4354.</p>	<p>Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.</p>
21	Warning	<p>MP PxPxTxLx: Memory allocation problem!</p> <p>DDM cannot control this device correctly because there is a lack of memory.</p>	<p>Please check the memory usage of your system if a component (e.g. driver) has a memory leak.</p>
25	Warning	<p>MP PxPxTxLx: Device was removed / path gone!</p> <p>This path was removed by Plug and Play functions of the system, after an error was detected.</p> <p>This event may occur after event id 18, but may also appear without any other id. If the path reappears, this will be logged by event id 4354.</p>	<p>Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.</p>
26	Warning	<p>DDM PxPxTxLx: Device had signature that was already found for another disk!</p> <p>All disks should have signatures (stored in the Master Boot Record (MBR)), which are unique to the system. Exception: The two pieces (or two disks) of a DuplexWrite group are</p>	<p>This typically happens if a disk is added to a system, which previously was member of a DW group.</p> <p>Remove this disk again and wipe it (clean the MBR) – e.g. using ServerStart or doing a low level format.</p>

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		<p>identical and have the same signature. When this error is logged, DDM has found a disk which has the same signature as another disk in the system, and which are not members of a DuplexWrite group. That disk will be disabled and not be accessible.</p>	
4368	Warning	<p>DW PxPxTxLx: Signatures on piece0 and piece1 are different but cannot be restored.</p> <p>This is a serious problem, which cannot be fixed by the driver.</p>	<p>It is necessary to repair signatures on both pieces by hand (i.e. with ddmutil).</p> <p>If MS-Cluster is running on this disk, please ensure to write the correct signature, which MS-Cluster expects for this disk.</p> <p>To find this signature see %SystemRoot%\Cluster\cluster.log and Registry HKLM\System\CurrentControlSet\ClusDisk\Parameter\Signatures.</p>
4369	Error	<p>DW PxPxTxLx: Second try to write FastRecoverArray while both pieces are online!</p> <p>There was an error keeping track of the changes written to disk. Delta Recover is disabled.</p>	<p>Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.</p>
4370	Error	<p>DW PxPxTxLx: Someone has written a wrong Signature to MBR!</p> <p>This could destroy a cluster, a cluster resource or a Duplex Write group!</p>	<p>Please check if anyone changes the disk signature in the master boot record (MBR).</p>

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4371	Warning	DW PxPxTxLx: Piece was removed. Duplex Write piece was removed by Plug and Play event.	Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.
4373	Warning	DW PxPxTxLx: The other piece is missing!	Only used for development or debugging case!
4374	Warning	DW PxPxTxLx: The array for Delta Recover Information is already initialized	FastRecoverEnabled is already set! This might be an internal error. Contact your local Fujitsu Helpdesk.
4376	Warning	DW PxPxTxLx: DWLun for this piece is not set. In data structure "DeviceExtension" is flag DWLun not set.	Please report this event to Fujitsu Helpdesk.
4384	Error	DW PxPxTxLx: One piece of the DuplexWrite group, which builds the RootDisk (system/boot disk) is in status ERROR...	Please replace the faulty disk if necessary and start recover procedure.
4385	Warning	DW PxPxTxLx: DuplexWrite has discovered a possible split brain situation, caused by a broken fibre channel connection. In this situation, both nodes have access to one piece of this DW-Group. To avoid datacorruption, this may occur, if the node, which did not own this disk, does a failover of it, this piece was set to DISABLED.	To get this piece online again, do the following: Repair all FC connections - if possible, move the disk to the node, which owned it before the FC connections were cut - if the status of this DW-Group is ERROR/DISABLED, set the piece with status ERROR to online - recover the disabled piece.
4387	WARNING	DW PxPxTxLx: The second piece of this DW-Group is more recent, but it is not	

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		<p>set to online, because there were write-commands sent to the first piece.</p> <p>This event log may occur, if a piece of a DW-group is returned to its original system after it was attached to another system, which also runs with DDM.</p>	
4388	WARNING	<p>DW PxPxTxLx: A command was retried after failure.</p> <p>This event log may occur, if an access to a device in Failover Cluster (Windows Server 2008, Persistent Reservation) failed.</p>	This event only used for debugging case.
4389	WARNING	<p>DW PxPxTxLx: A DuplexWrite RootDisk mirror (system mirror) was detected. Therefore the DuplexDataManager support for Microsoft Failover Clustering is switched off.</p> <p>This event log may occur, if the Microsoft Failover Clustering feature is enabled and a DuplexWrite RootDisk mirror (system mirror) is configured.</p>	Uninstall Microsoft Failover Clustering feature or delete DuplexWrite RootDisk mirror (system mirror). The mix of both features is not supported.
5122	Error	<p>Error: DuplexDataManager Service could not initialize.</p>	Check for a correct installation.
5123	Error	<p>Error: DuplexDataManager Service - Consistency Check (SCSI address) READ at block number <block> failed.</p> <p>The data for comparing will be read</p>	Please check your configuration.

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		<p>from both pieces via SCSI PassThrough commands. In case of MultiPath the active path is used.</p> <p>If the active path changes during the comparison the Consistency Check will fail with Error. Therefore MultiPath AutoBalance should be disabled. Also disabling a piece or moving a cluster resource to another node will terminate the Consistency Check.</p> <p>Another cause of a failure can be non-block aligned block asynchronous I/O (e.g. pagefile.sys).</p>	
5125	Error	<p>Error: DuplexDataManager Service - Consistency Check (SCSI address of both pieces) READ at block number <number> failed.</p> <p>The data for comparing will be read from both pieces via SCSI PassThrough commands.</p>	<p>1.) In case of MultiPath the active path is used. If the active path changes during the comparison the Consistency Check will fail with Error. Therefore MultiPath AutoBalance should be disabled.</p> <p>1.) Also disabling a piece or moving a cluster resource to another node will terminate the Consistency Check.</p> <p>1.) Another cause of a failure can be non-block aligned block asynchronous I/O (e.g. pagefile.sys).</p>
5126	Error	<p>Error: DuplexDataManager Service - Consistency Check (SCSI addresses of both pieces) failed. The data is different at block number <block>.</p>	<p>Please check your configuration. Non-block aligned block asynchronous I/O (e.g. pagefile.sys) produces differences between DuplexWrite pieces.</p> <p>In this case, a Consistency Check makes no sense. For consistency, check file system,</p>

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			disable one piece and start a recover.
5127	Error	Error: DuplexDataManager Service - Consistency Check (SCSI addresses of both pieces) failed (no normal termination).	Please report this event to Fujitsu Helpdesk.
5129	Error	Error: DuplexDataManager Service - Consistency Check (SCSI addresses of both pieces) canceled at block number <block>. There are <number> different blocks found! The user cancels the consistency check.	Only if block different: Please check your configuration. Non-block aligned block asynchronous I/O (e.g. pagefile.sys) produces differences between DuplexWrite pieces. In this case, a Consistency Check makes no sense. For consistency, check file system, disable one piece and start a recover.
5131	Error	Error: DuplexDataManager Service - Consistency Check (SCSI addresses of both pieces) finished with <number> different blocks found.	Only if block different: Please check your configuration. Non-block aligned block asynchronous I/O (e.g. pagefile.sys) produces differences between DuplexWrite pieces. In this case, a Consistency Check makes no sense. For consistency, check file system, disable one piece and start a recover.
5132	Error	DuplexDataManager Service - read / write, block number, SCSI address, SCSI status	
5133	Error	Error: DuplexDataManager Service - Found inconsistent signatures in DuplexWrite group <SCSI addresses and disk signature of both pieces>.	Please check if anyone changes the disk signature in the master boot record (MBR). Use utility "ddmutil.exe" to fix this problem.

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5135	Error	Error: DuplexDataManager Service - Fatal error caught in routine <thread>.	Please restart DuplexDataManager
5138	Error	Error: DuplexDataManager Service - CloneData (<SCSI address>) failed (no normal termination).	Please restart DuplexDataManager
5139	Error	Error: DuplexDataManager Service - CloneData (<SCSI address> of device) READ at block number <block number> failed.	The source disk may be corrupted. Please check this disk / LUN.
5140	Error	Error: DuplexDataManager Service - CloneData (<SCSI address> of device) WRITE at block number <block number> failed.	The destination disk may be corrupted. Please check this disk / LUN.
5144	Error	Error: DuplexDataManager Service - CloneData (<SCSI address>). <text>. Text: - Terminate CloneData because status of source piece changed - Disable before delta CloneData failed - Recover start failed	Start a recover for this DuplexWriteGroup.
5146	Warning	Warning: DuplexDataManager Service - Manage AutoAdjust: Unexpected storage access path configuration	The feature AutoAdjust not released.
5147	Warning	Warning: DuplexDataManager Service - Manage AutoAdjust: Different access paths to storage	The feature AutoAdjust not released.

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5151	Error	Error: DuplexDataManager Service - Due starting the DuplexDataManager service the process ddmwatch.exe is still running / hanging.	Terminate ddmwatch.exe via Windows Task Manager and restart DuplexDataManager service.
5152	Error	Error: DuplexDataManager Service - MultiPath configuration changed. The path <scsi address and disk signature> is missing. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.	If the actual configuration is correct, please acknowledge this configuration via the Microsoft Management Console (MMC) snap-in to suppress this error message.
5156	Warning	Warning: DuplexDataManager Service - MPIO path (PathId 0x<PathId>, <SCSI address>) to device <device> is removed/failed.	Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.
5157	Error	Error: DuplexDataManager Service - <Text>. Text: - Set MPIO path <SCSI address> to Failed. - MPIO device <device> (<SCSI address>) is removed. - MPIO path (PathId 0x<PathId>, <SCSI address>) to device <device> is removed/failed. - MPIO Path status for device <device> (<SCSI address>) changed from Active	Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.

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		<p>to Failed.</p> <ul style="list-style-type: none"> - MPIIO Path status for device <device> (<SCSI address>) changed from Standby to Failed. - MPIIO path <SCSI address> failed. Retry successful on other port. 	
5158	Warning	Warning: DuplexDataManager Service - The Virtual Disk Service (VDS) is active. The Storage Manager for SANs may produce VDS error entries in the system event log.	Disable the VDS service.
5162	Error	Error: DuplexDataManager Service - Found inconsistent Disk GUIDs in DuplexWrite group	Please check if anyone changes the Disk GUID in the GPT partition table. Use ddmutil to fix this problem.
5163	Error	Error: DuplexDataManager Service - The MultiPath configuration changed. The disk identification is different. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.	<p>This error event only generated for acknowledged (stored) MultiPath configurations, where no disk signature available / accessible at the acknowledge time.</p> <p>Please check the MultiPath configuration for missing paths and devices.</p> <p>If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.</p>
5164	Error	Error: DuplexDataManager Service - The MultiPath configuration changed. Path(s) missing to disk. If the current configuration is correct, please acknowledge this configuration	<p>Please check the MultiPath configuration for missing paths and devices.</p> <p>If the current configuration is correct, please acknowledge this configuration via the</p>

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		via the MMC snap-in to suppress this error message.	MMC snap-in to suppress this error message.
5165	Error	Error: DuplexDataManager Service - The MultiPath configuration changed. The disk: %1 is missing. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.	Please check the MultiPath configuration for missing paths and devices. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.
5166	Error	Error: DuplexDataManager Service - The MultiPath configuration changed. There are %1 disk(s) missing. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.	Please check the MultiPath configuration for missing paths and devices. If the current configuration is correct, please acknowledge this configuration via the MMC snap-in to suppress this error message.
5168	Error	Error: DuplexDataManager Service - Failed to start x10sureIS configuration script: %1	Check if script is available and accessible.
5169	Error	Error: DuplexDataManager Service - No any %1 disk for x10sureIS configuration found.	Check iSCSI and disk configuration.
5171	Error	Error: DuplexDataManager Service - In a Microsoft Failover Cluster environment a DuplexWrite RootDisk (system mirror) is not supported.	Please determine one configuration.
5174	Warning	Warning: DuplexDataManager Service - Failed to remove the Boot Flag on the degraded RootDisk (system mirror)	To prevent a boot inconsistent RootDisk piece, the Boot Flag is removed. The Boot Flag will be set to active when the recovery

Duplex Data Manager (DDM)

		piece %1.	is finished.
5176	Warning	Warning: DuplexDataManager Service - Failed to update the Boot Flag on the online RootDisk (system mirror) piece %1.	To prevent a boot inconsistent RootDisk piece, the Boot Flag is removed. The Boot Flag will be set to active when the recovery is finished.
5178	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. Found a newer (most recent) operating system on disk %1.	<p>If the current booted operating system (RootDisk) should further be used, please delete the newer DuplexWrite group using the DuplexDataManager MMC snap-in.</p> <p>If the newer (most recent) operating system should be used, please shutdown the operating system and reconfigure the boot settings.</p>
5179	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. Found a newer (most recent) DuplexWrite data group %1.	<p>If the current used DuplexWrite data group should further be used, please delete the newer DuplexWrite group using the DuplexDataManager MMC snap-in.</p> <p>If the newer (most recent) DuplexWrite data group should be used, please stop all I/O to the older one, delete this group, adapt the drive letters and start I/O.</p>
5180	Error	Error: DuplexDataManager Service - The protection (change disk signature) of the %1 against the error/missing piece failed.	<p>The operation system may not be bootable! Please open a command box and type following three command:</p> <pre> bcdedit.exe /set {current} device partition=c: bcdedit.exe /set {current} osdevice partition=c: bcdedit.exe /set {bootmgr} device partition=c: </pre>

Duplex Data Manager (DDM)

5181	error	Error: DuplexDataManager Service - An invalid configuration found. Found a DuplexWrite partner group %1 with 2 pieces.	Please check the DuplexWrite configuration.
5184	Error	Error: DuplexDataManager Service - Delete of the %1 failed. In an x10sureIS environment one piece of the mirror is failed or missing. Therefore this piece has to be deleted and the disk signature of the remaining piece has to be changed. This saves the operating system for unauthorized access to the error or missing piece.	Please check the configuration.
5186	Warning	Warning: DuplexDataManager Service - In an x10sureIS installation the DuplexWrite parameter 'Autostart Recover' should be enabled.	Please enable DuplexWrite 'Autostart Recover'.
5189	Warning	Warning: DuplexDataManager Service - The update of the bootstat.dat files failed.	Please check your RootDisk configuration.
5203	Warning	Warning: DuplexDataManager Service - x10sure DuplexWrite Data Group Protection not supported!	Please check the configuration.
5205	Error	Error: DuplexDataManager Service - Delete missing piece of partner group %1 failed. This DuplexWrite group should be prepared (deleted) for using as mirror for the DuplexWrite group %2.	Please check the configuration.

Duplex Data Manager (DDM)

5206	Error	Error: DuplexDataManager Service - Delete missing piece of partner group %1 failed. This DuplexWrite group should be prepared (deleted) for using as mirror for the DuplexWrite group %2.	Please check the configuration.
5207	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. The Boot Configuration Data (BCD) is not accessible. For the x10sureIS failover processing it is mandatory to access the BCD data. Please contact system operator immediately to solve this problem.	Please the check the configuration or contact system operator immediately to solve this problem.
5209	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. The operating system is running on the disk %1. The future mirror disk belongs to the DuplexWrite group %2. Please solve this inconsistency.	Please use the DuplexDataManager MMC snap-in to solve this inconsistency. At least restart the DuplexDataManager service.
5210	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. The operating system is running on the disk %1. Found the DuplexWrite group %2 on other port. Please solve this inconsistency.	Please use the DuplexDataManager MMC snap-in to solve this inconsistency. At least restart the DuplexDataManager service.
5211	Error	Error: DuplexDataManager Service - Any automatic fail-safe configuration stopped. An invalid x10sure	Please check the x10sureIS environment.

QLogic Fibre Channel Adapter

		environment found.	
5212	Warning	Warning: The DuplexWrite error piece %1 of the DuplexWrite group %2 is the most recent piece. Nevertheless it was set to error, because write commands were sent to the other piece, before the more recent piece appeared. If both pieces were switched now, the file system could be corrupted. Therefore the more recent piece stays in status Error. Because a recover would overwrite newer data, the recover is rejected in this case.	The data on the more recent piece should be overwritten: Disable the error piece and start recover. The data on the more recent piece should be conserved: If it is a system disk, the system has to be rebooted, while the first piece with older data must be disconnected. (Unmap LUN or change BIOS settings etc.) If it is a data disk, you can either reboot with disconnected older piece (see above) or follow these steps: Stop applications accessing this disk - remove drive letters - disable the online piece - set the error piece to online - start recover - reassign drive letters - start applications.
6144	Error	Error: DuplexDataManager MPIIO event watch process - Fatal error caught in routine MPIOWatchThread.	Please restart DuplexDataManager

3.7 QLogic Fibre Channel Adapter

Controller: **QLogic Fibre Channel Adapter**

Event Log: **System**

Source Name: "ql2300" (Driver version 9.00.00 and above)

QLogic Fibre Channel Adapter

Event ID Event Code	Severity	Message	Description	Resolutions / AAE
11 00020000	Error	Firmware IOCB completion status (02): A DMA error occurred xx = CDB opcode yy = target loop ID	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 00030000	Error	Firmware IOCB completion status (03): Transport error xx = CDB opcode yy = target loop ID	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 4001xxxx	Error	Firmware mailbox command completion status: Invalid mailbox command xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox command	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 4002xxxx	Error	Firmware mailbox command completion status: Host interface error xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox command	Hardware DMA error, replace adapter Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 4FFF0000	Error	Driver detected mailbox command timeout xxxx = mailbox command	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group

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			Used to be F0060000	
11 8002xxxx	Error	Firmware AEN (8002): System error xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 8003xxxx	Error	Firmware AEN (8003): Request queue transfer error xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the firmware group
11 8004xxxx	Error	Firmware AEN (8004): Response queue transfer error xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3	Please send the event data to QLogic support for analysis by the firmware group.	Please send the event data to QLogic support for analysis by the firmware group.
11 8FF9xxxx	Error	Bad type field in IOCB from firmware xxxx = IOCB word 0, yyyy = scsi status, zzzz = completion status	Please send the event data to QLogic support for analysis by the firmware group. Used to be F01C0000	Please send the event data to QLogic support for analysis by the firmware group.
11 8FFA0000	Error	Invalid interrupt status xxxxxxxx = interrupt status value	Please send the event data to QLogic support for analysis by the firmware group. Used to be F0240000	Please send the event data to QLogic support for analysis by the firmware group.
11 8FFBxxxx	Error	Invalid handle from Firmware xxxx = handle, yyyy = scsi Status, zzzz = completion status	Please send the event data to QLogic support for analysis by the firmware group.	Please send the event data to QLogic support for analysis by the firmware group.

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			Used to be F0010000	
11 8FFCxxxx	Error	Invalid entry type in response queue xxxx = response queue entry, yyyy = SCSI Status, zzzz = completion status	Please send the event data to QLogic support for analysis by the firmware group. Used to be F0020000	Please send the event data to QLogic support for analysis by the firmware group.
11 8FFDxxxx	Error	Invalid IP handle from firmware xxxx = IP handle, yyyy = scsi Status, zzzz = completion status	Please send the event data to QLogic support for analysis by the firmware group. Used to be F01A0000	Please send the event data to QLogic support for analysis by the driver group
11 8FFExxxx	Error	Invalid response queue pointer from firmware xxxx = response queue pointer, yyyy = scsi status, zzzz = completion status	Please send the event data to QLogic support for analysis by the driver & firmware group. Used to be F0070000	Please send the event data to QLogic support for analysis by the driver group
11 8FFFxxxx	Error	Invalid async event code from firmware xxxx = mailbox1, yyyy = mailbox2, zzzz = async event code	Please send the event data to QLogic support for analysis by the firmware group. Used to be F0080000	Please send the event data to QLogic support for analysis by the driver group
11 E0010000	Error	Fail to allocate non-cached memory	Please send the event data to QLogic support for analysis Used to be F00D0000	Please send the event data to QLogic support for analysis by the driver group
11	Error	Fail to map ISP registers	Please send the event	Please send the event data

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E0020000			data to QLogic support for analysis. Used to be F00E0000	to QLogic support for analysis by the driver group
11 F00Bxxxx	Error	Reset ISP chip failed xxxx = mailbox register 0, yyyy = mailbox register 1, zzzz = mailbox register 2	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F00F0000	Error	Fail to load firmware	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F0100000	Error	Fail to execute firmware xxxx = mailbox command status	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F0110000	Error	Fail to initialize firmware xxxx = mailbox command status	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F0120000	Error	Fail to get firmware state xxxx = mailbox command status	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F0190000	Error	Verify firmware checksum failure xxxx = mailbox command status	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group

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11 F01D0000	Error	Fail to load post firmware	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F01Exxxx	Error	Post error xxxx = mailbox0, yyyy = mailbox1, zzzz = mailbox2	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the driver group
11 F0200000	Error	Error ISP not accessible xxxx = ISP host command and control, yyyy =ISP interrupt status	Please send the event data to QLogic support for analysis	Please send the event data to QLogic support for analysis by the driver group
11 F0220000	Error	Risc ram parity error xxxxxxxx = ISP Risc to Host Status	Please send the event data to QLogic support for analysis by the firmware group	Please send the event data to QLogic support for analysis by the driver group
11 F0230000	Error	NVRam checksum error xxxx = Expected, yyyy = Actual	Please send the event data to QLogic support for analysis by the driver group	Please send the event data to QLogic support for analysis by the driver group
11 F0240000	Error	Fail to locate FW from flash	Please send the event data to QLogic support for analysis by the driver group	Please send the event data to QLogic support for analysis by the driver group

Note on "Event ID / Detail Event Code":

Emulex Fibre Channel Adapter

The Event ID is always 11 for all log entries.

The Detail Event Code is visible if the data format in the Event Detail Display is set to "Words". This code is at offset 34h.

3.8 Emulex Fibre Channel Adapter

Controller: **Emulex Fibre Channel Adapter**

Event Log: **System**

Source Name: StorPort Miniport (W2K3 / W2K8 / W2K8 R2 / W2K12): "**elxstor**" or "**elxfc**" or "**elxcna**"

For Details see document 'windows_manual_elx.pdf'

3.9 Broadcom LAN Controllers

Controller: **BCM57xx** (only Onboard LAN)

Event Log: **System**

Source Name: "**BT**"

Event ID	Severity	Message	Resolutions / Action after Error
0002	Error	Unable to register with NDIS.	
0003	Error	Unable to instantiate the management interface.	1.) Verify if latest LAN driver is installed and update if necessary. 2.) Check whether LAN management

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			application needs to be upgraded, too. 3.) Replace LAN hardware / motherboard if problem persists.
0004	Error	Unable to create symbolic link for the management interface.	Call your local Fujitsu Helpdesk.
0007	Error	Could not allocate memory for internal data structures	Call your local Fujitsu Helpdesk.
0008	Error	Could not bind to adapter %2.	Call your local Fujitsu Helpdesk.
0010	Warning	Network adapter %2 is disconnected.	Call your local Fujitsu Helpdesk.
0012	Error	Broadcom Advanced Program Features Driver is NOT designed to run on this version of Operating System.	Check whether installed driver suits to your operating system.
0016	Warning	Network adapter %2 is disabled via management interface.	Call your local Fujitsu Helpdesk.
0018	Warning	Network adapter %2 is de-activated and is no longer participating in network traffic.	Call your local Fujitsu Helpdesk.

Controller: **BCM57xx** (only onboard LAN)

Event Log: **System**

Source Name: "**B57W2K**"

Event ID	Severity	Message	Resolutions / Action after Error
01	Error	Failed to allocate memory for the device block.	Check system memory resource usage.

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02	Error	Failed to allocate map registers.	1.) Verify if latest LAN driver is installed and update if necessary. 2.) Check whether LAN management application needs to be upgraded, too. 3.) Replace LAN hardware / motherboard if problem persists.
03	Error	Failed to access configuration information. Re-install network driver.	Call your local Fujitsu Helpdesk.
04	Warning	The network link is down. Check to make sure the network cable is properly connected.	Call your local Fujitsu Helpdesk.
12	Error	Medium not supported.	Check whether installed driver suits to your operating system.
13	Error	Unable to register the interrupt service routine.	Call your local Fujitsu Helpdesk.
14	Error	Unable to map IO space.	Call your local Fujitsu Helpdesk.
17	Error	Cannot enter low-power mode because the driver may not be able to auto-negotiate the link down to 10Mbps.	Call your local Fujitsu Helpdesk.
18	Error	Unknown PHY detected. Using a default PHY initialization routine.	Call your local Fujitsu Helpdesk.
19	Error	This driver does not support this device. Upgrade to the latest driver.	Check whether latest driver is installed and update if necessary.
20	Error	Driver initialization failed.	1.) Reboot system. 2.) Check whether latest driver is

			installed and update if necessary. 3.) If problem still persists call your local Fujitsu Helpdesk.
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3.10 Intel LAN Controllers

Controller: **PRO100S Dual, PRO100S Server, PRO100 Server und Intel onboard LAN**

Event Log: **System**

Source: "**E100B**"

Event ID	Severity	Message	Resolutions / Action after Error
004	Warning	Adapter Link Down	Check and if necessary replace cable.
006	Error	Hardware failure detected	Replace affected LAN adapter or mainboard (if LAN is an onboard device)
007	Error	EEPROM corruption detected	Replace affected LAN adapter or mainboard (if LAN is an onboard device)

Controller: **PRO/1000 series, 1 Gbit/s**

Event Log: **System**

Source Name: "**E1000**" or "**e1express**" or "**e1<x>express**", where "<x>" can be one of: "c", "e", "g", "k", "n", "q", "r" or "y"

Event ID	Severity	Message	Resolutions / Action after Error
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4	Error	Could not find a PRO/1000 adapter	If problem persists call your local Fujitsu Helpdesk.
5	Error	Driver could not determine which PRO/1000 adapter to load on	If problem persists call your local Fujitsu Helpdesk.
6	Error	Could not allocate the MAP REGISTERS necessary for operation	If problem persists call your local Fujitsu Helpdesk.
7	Error	Could not assign an interrupt for the PRO/1000	If problem persists call your local Fujitsu Helpdesk.
8	Error	Could not allocate memory necessary for operation	If problem persists call your local Fujitsu Helpdesk.
9	Error	Could not allocate shared memory necessary for operation	If problem persists call your local Fujitsu Helpdesk.
10	Error	Could not allocate memory for receive structures	If problem persists call your local Fujitsu Helpdesk.
11	Error	Could not allocate memory for receive descriptors	If problem persists call your local Fujitsu Helpdesk.
12	Error	Could not allocate memory for receive buffers	If problem persists call your local Fujitsu Helpdesk.
13	Warning	Could not establish link	1.) Check and if necessary replace cable. 2.) Verify that LAN port has not been disabled within system BIOS.
14	Error	The PCI BIOS has NOT properly configured	If problem persists call your local

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		the PRO/1000 adapter	Fujitsu Helpdesk.
15	Error	The PCI BIOS has NOT properly configured the PRO/1000 adapter	If problem persists call your local Fujitsu Helpdesk.
16	Error	The PCI BIOS has NOT properly configured the PRO/1000 adapter.	If problem persists call your local Fujitsu Helpdesk.
17	Error	The PCI BIOS has NOT properly configured the PRO/1000 adapter.	If problem persists call your local Fujitsu Helpdesk.
18	Error	The PRO/1000 adapter was not configured for bus mastering by the PCI BIOS	If problem persists call your local Fujitsu Helpdesk.
19	Error	Could not allocate the NDIS receive packets necessary for operation	If problem persists call your local Fujitsu Helpdesk.
20	Error	Could not allocate the NDIS receive buffers necessary for operation	If problem persists call your local Fujitsu Helpdesk.
21	Error	The OS was unable to assign PCI resources to the PRO/1000 adapter	1.) Check OS event log for further errors. 2.) Try to find out whether other components occupy the needed resources e.g. via device manager.
22	Error	The driver was unable to claim PCI resources of this PRO/1000 adapter	1.) Check event log for further errors. 2.) Try to find out whether other components occupy the needed resources e.g. via device manager.
23	Error	The EEPROM on your PRO/1000 adapter may have errors	Call your local Fujitsu Helpdesk.

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24	Error	Could not start the PRO/1000 adapter	If problem persists call your local Fujitsu Helpdesk.
25	Warning	MDIX setting conflict with the AutoNeg Settings. MDIX will not work.	If problem persists call your local Fujitsu Helpdesk.
27	Warning	Link has been disconnected.	Check and if necessary replace cable.
29	Error	Could not start the gigabit network connection	If problem persists call your local Fujitsu Helpdesk.
30	Warning	Adapter is set up for auto-negotiation but the link partner is not configured for auto-negotiation. A duplex mismatch may occur.	Check network configuration of the local LAN port and on the remote / switch LAN port. Note: You probably did configure different duplex and / or speed settings.
37	Warning	Could not allocate all resources necessary for the high priority transmit queue.	If problem persists call your local Fujitsu Helpdesk.
38	Warning	The driver failed to initialize properly. You may not be able to change the adapter settings.	To resolve, reload the driver.
39	Warning	Adapter unload process may have not completed successfully. Driver may not be unloaded.	1.) Check whether latest drivers are installed or update if necessary. 2.) Reboot your system.
8196	Error	Could not find a supported gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8197	Error	Driver could not determine which supported gigabit network connection to load on.	If problem persists call your local Fujitsu Helpdesk.

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8198	Error	Could not allocate the MAP REGISTERS necessary for operation.	If problem persists call your local Fujitsu Helpdesk.
8199	Error	Could not assign an interrupt for the supported gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8200	Error	Could not allocate memory necessary for operation.	If problem persists call your local Fujitsu Helpdesk.
8201	Error	Could not allocate shared memory necessary for operation.	If problem persists call your local Fujitsu Helpdesk.
8202	Error	Could not allocate memory for receive structures.	If problem persists call your local Fujitsu Helpdesk.
8203	Error	Could not allocate memory for receive descriptors.	If problem persists call your local Fujitsu Helpdesk.
8204	Error	Could not allocate memory for receive buffers.	If problem persists call your local Fujitsu Helpdesk.
8205	Warning	Could not establish link.	1.) Check and if necessary replace cable. 2.) Verify that LAN port has not been disabled within system BIOS.
8206	Error	The PCI BIOS has NOT properly configured the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8207	Error	The PCI BIOS has NOT properly configured the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8208	Error	The PCI BIOS has NOT properly configured the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.

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8209	Error	The PCI BIOS has NOT properly configured the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8210	Error	The gigabit network connection was not configured for bus mastering by the PCI BIOS.	If problem persists call your local Fujitsu Helpdesk.
8211	Error	Could not allocate the NDIS receive packets necessary for operation.	If problem persists call your local Fujitsu Helpdesk.
8212	Error	Could not allocate the NDIS receive buffers necessary for operation.	If problem persists call your local Fujitsu Helpdesk.
8213	Error	The OS was unable to assign PCI resources to the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8214	Error	The driver was unable to claim PCI resources of this gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8215	Error	The EEPROM on your gigabit network connection may have errors.	Replace affected LAN adapter or mainboard (if LAN is an onboard device)
8216	Error	Could not start the gigabit network connection.	If problem persists call your local Fujitsu Helpdesk.
8217	Warning	MDIX setting conflict with the AutoNeg Settings. MDIX will not work.	If problem persists call your local Fujitsu Helpdesk.

Controller: **Intel 82599 and 82598EB series Ethernet controllers, 10 Gbit/s**

Event Log: **System**

Source: "ixgbe" or "ixgbn"

Event ID	Severity	Message	Resolutions / Action after Error
6	Error	Unable to allocate the map registers necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit descriptors and restart.
7	Error	Unable to allocate the map registers necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit descriptors and restart.
23	Error	The EEPROM on the network adapter may be corrupt	Visit " http://www.intel.com/p/en_US/support/network/ " for assistance.
24	Error	Unable to start the network adapter	Install the latest driver from " http://www.intel.com/p/en_US/support/network/ ".
25	Error	Unable to start the network adapter	Install the latest driver from " http://www.intel.com/p/en_US/support/network/ ".
27	Warning	Network link is disconnected	
30	Warning	The network adapter is configured for auto-negotiation but the link partner is not. This may result in a duplex mismatch.	Configure the link partner for auto-negotiation.
37	Error	PCI Express bandwidth available	Move the adapter to a x8 PCI Express slot.

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		for this adapter is not sufficient for optimal performance	
38	Warning	The driver failed to initialize properly. You may not be able to change the adapter settings.	Install the latest driver from " http://www.intel.com/p/en_US/support/network/ " and restart the computer.
39	Warning	The network adapter driver did not unload successfully	Install the latest driver from " http://www.intel.com/p/en_US/support/network/ " and restart the computer.
43	Error	Could not allocate shared memory necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit and receive descriptors, then restart.
44	Error	Could not allocate memory necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit and receive descriptors, then restart.
45	Error	Could not allocate a resource pool necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit and receive descriptors, then restart.
46	Error	Could not initialize scatter-gather DMA resources necessary for operation	Select the adapter in the network control panel. Click properties. Reduce the number of transmit descriptors and restart.

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47	Error	Could not map the network adapter flash	Install the latest driver from " http://www.intel.com/p/en_US/support/network/ ". (Or) Try another slot.
48	Error	The fan on the network adapter has failed	Power off the machine and replace the network adapter.
49	Error	The driver was unable to load due to an unsupported SFP+ module installed in the adapter	Replace the module. (Or) Install the latest driver from " http://www.intel.com/p/en_US/support/network/ ".
50	Error	The network adapter has been stopped because it has overheated	Restart the computer. If the problem persists, power off the computer and replace the network adapter.

Driver: **Intel ANS (Advanced Network Services)**, former called "Teaming"

Event Log: **System**

Source: "**iANSMiniport**"

Event ID	Severity	Message	Resolutions / Action after Error
2	ERROR	Unable to allocate required resources	Free some memory resources and restart.
3	ERROR	Unable to read required registry parameters	Reconfigure the adapter team by double-clicking the PROSet icon in

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			the control panel.
4	ERROR	Unable to bind to physical adapter	Reconfigure the adapter team by double-clicking the PROSet icon in the control panel.
5	ERROR	Unable to initialize an adapter team	Reconfigure the adapter team by double-clicking the PROSet icon in the control panel.
11	WARNING	Adapter link down	
13	WARNING	Adapter has been deactivated from the team	
16	ERROR	The last Team adapter has lost link. Network connection has been lost	
22	WARNING	Primary Adapter does not sense any Probes. Possible reason: partitioned Team	
23	ERROR	A Virtual Team Adapter failed to initialize	
24	ERROR	Adapter failed to join because it lacked IPSec TaskOffLoad capabilities	
25	ERROR	Adapter failed to join because it lacked TCP CheckSum TaskOffLoad capabilities	
26	ERROR	Adapter failed to join because it lacked TCP LargeSend TaskOffLoad capabilities	
27	ERROR	Adapter failed to join because of insufficient PnP capabilities	
28	ERROR	Adapter failed to join because MaxFrameSize too small	

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29	ERROR	Adapter failed to join because MulticastList size too small	
32	WARNING	An illegal loopback situation has occurred on the adapter	Check the configuration to verify that all the adapters in the team are connected to 802.3ad compliant switch ports.
33	WARNING	No 802.3ad response from the link partner of any adapters in the team	
34	WARNING	More than one Link Aggregation Group was found. Only one group will be functional within the team	
35	WARNING	Initializing Team with missing adapters	Check the configuration to verify that all the adapters are present and functioning.
36	ERROR	Initializing Team failed. Not all base drivers have the correct mac address, ANS ("Teaming") will not load	
39	WARNING	The driver failed to initialize properly. You may not be able to change the virtual adapter settings	To resolve, reload the driver.
40	WARNING	Virtual adapter unload process may have not completed successfully. Driver may not be unloaded	To resolve, reboot the system.
41	WARNING	Adapter is improperly configured. The adapter cannot process the remote management features and be a member of an EtherChannel	

SVISCOM VBScripts

		or 802.3ad network team at the same time	
42	WARNING	Adapter is improperly configured. The adapter cannot process the remote management features and be a member of a network team at the same time	
43	ERROR	Adapter has been disabled in the team because its TCP Connection Offload capability was enabled	

3.11 SVISCOM VBScripts

Event Log: **Operations Manager**

Source Name: "Health Service Script"

VBScript "PRIMERGYServerDiscovery.vbs":

Event ID	Severity	Message	Resolutions / Action after Error
113	ERROR	WMI class returned invalid data	1) Check if the WMI service is enabled and running. 2) See Windows Event Log for the failed WMI namespace entry. 3) Ensure that this WMI namespace exists.
116	WARNING	Unsupported ServerView Agents version	Install a supported ServerView Agents version on the system to monitor.

VBScript "PRIMERGYComponentsDiscovery.vbs":

Event ID	Severity	Message	Resolutions / Action after Error
121	ERROR	Not enough arguments -> Components discovery script exits with error	This is a program internal error. Contact your local Fujitsu Helpdesk.
122	ERROR	No ServerView Agents installed	Install ServerView Agents on the system to monitor or - if Agents are installed - check / repair the installation.
123	ERROR	Unsupported ServerView Agents version	Install a supported ServerView Agents version on the system to monitor (see requirements).
124	WARNING	ServerView Agents not running	Start ServerView Agents on the system to monitor or check / repair the installation.
125	ERROR	SCCI interface not supported	Check / repair the ServerView Agents installation or install a newer ServerView Agents version
126	ERROR	WMI class does not deliver expected memory size data	Check if this class name (see Windows Event Log) is a valid WMI class name. (See also message 113 above.)
133	ERROR	Unable to connect to WMI	Check if the WMI service is enabled and running, and ensure that this WMI object (see Windows Event Log) exists.
135	ERROR	WMI class returned invalid data	Check if this class name (see Windows Event Log) is a valid WMI class name. (See also message 134 above.)
200	Information	New components detected.	New components were detected for a PRIMERGY server.

SVISCOM VBScripts

250	ERROR	Components are missing	PRIMERGY server components were found missing. Check which components are missing and make sure these components have been removed intentionally. Use the 'Reset PRIMERGY Server Data' Task for this server to reset the Saved Components Data for the server.
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VBScript "PRIMERGYComponentsMonitor.vbs":

Event ID	Severity	Message	Resolutions / Action after Error
141	ERROR	Not enough arguments -> Components monitoring script exits with error	This is a program internal error. Contact your local Fujitsu Helpdesk.
145	WARNING	SCCI interface not supported	Check / repair the ServerView Agents installation or install a newer ServerView Agents version
153	ERROR	WMI class returned invalid data	1) Check if the WMI service is enabled and running. 2) See Windows Event Log for the failed WMI namespace entry. 3) Ensure that this WMI namespace exists.

VBScript "PRIMERGYCommunicationMonitor.vbs":

Event ID	Severity	Message	Resolutions / Action after Error
190	ERROR	Error reading communication file: empty file	The communication monitor script had trouble reading the communication state for a component communication monitor.

			If the problem persists, this a program internal error. Contact your local Fujitsu Helpdesk.
191	ERROR	Error reading communication file: no file	The communication monitor script did not find the communication state file for a component communication monitor. If the problem persists, this a program internal error. Contact your local Fujitsu Helpdesk.
193	ERROR	Not enough arguments -> Communication monitoring script exits with error	This is a program internal error. Contact your local Fujitsu Helpdesk.

VBScript "PRIMERGYFCEvents.vbs":

Event ID	Severity	Message	Resolutions / Action after Error
192	ERROR	Error retrieving FC events	The script had trouble accessing the windows event log via WMI. Check if the WMI service is enabled and running.