



# PRIMERGY Server Events

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## Kurzfassung

In diesem Dokument sind alle bekannten Events der ServerView Agenten und von Controllern/Applikationen aufgeführt, die auf PRIMERGY Servern auftreten. Mit Events sind hier die Einträge in das Windows EventLog (Anwendung / System) gemeint.

Dieses Dokument beruht auf Informationen, die von OEM-Herstellern an Fujitsu Technology Solutions geliefert worden sind, auf Informationen der ServerView-Agenten und der systemnahen Software-Komponenten.

## Schlüsselwörter

PRIMERGY, Events, Controller, ServerView, Agent, EventLog

## Historie

| Datum      | Version | Seiten | Erläuterung   |
|------------|---------|--------|---|
| 2004-11-30 | 1       | 56     | Erstausgabe   |
| 2004-12-20 | 1.1     | 58     | Nachtrag bei Promise FastTrak Events  |
| 2005-03-09 | 1.5     | 66     | Neu: Duplex Data Manager<br>Erweiterung: Intel Software Kit RockyKnoll2   |
| 2005-11-02 | 2.0     | 76     | Neu: QLogic Fibre Channel Adapter<br>Emulex Fibre Channel Adapter<br>Erweiterung: Intel Rocky Knoll3-Kit  |
| 2007-08-10 | 2.5     | 105    | Erweiterung: SC-Mib, SC2-Mib<br>Neu: Blade Server Management, NTCluster-Mib<br>ServerView-MIB, ServerView RAID<br>Gelöscht: Mylex-Mib, PCIHotplug-Mib |
| 2009-04-23 | 2.6     | 107    | Änderungen wg. Fujitsu Logo (keine Änderungen der Event-Listen)   |
| 2011-11-28 | 3.0     | 89     | Aktualisierung der MIB Events<br>Gelöscht: LSI (RAID) Controllers, Promise Fast Trak Controller   |
| 2012-08-31 | 4.0     | 88     | Aktualisierung der MIB Events:<br>Neue Events für ServerView Raid, Blade Server, SERVER-CONTROL   |

## Abkürzungen und Begriffe

|      |                                    |
|------|------------------------------------|
| DDM  | DuplexDataManager                  |
| FTS  | Fujitsu Technology Solutions       |
| MIB  | Management Information Base        |
| SNMP | Simple Network Management Protocol |
| UPS  | Uninterruptible Power Supply       |
| W2K  | Windows 2000                       |
| W2K3 | Windows 2003                       |

## 1. Allgemeines zu diesem Dokument

In diesem Dokument sind alle bis dato bekannten Events der ServerView Agenten und der Controller/Treiber aufgeführt, die auf PRIMERGY Servern auftreten können.

Das Dokument beruht auf Informationen, die von OEM-Herstellern und Fujitsu Technology Solutions geliefert worden sind und auf Informationen der ServerView Agenten oder sonstigen systemnahen Komponenten.

### 1.1 Eventlisten

Folgende Eventlisten sind in diesem Dokument aufgeführt:

#### Events der ServerView Agents/Components:

- **HD-MIB**
- **NTCluster-MIB**
- **Threshold-MIB**
- **Server-Control2-MIB**
- **X10sureV1-MIB**
- **Blade Server Management**

## Events der Controller Treiber / Anwendungen:

- **ServerView RAID**
- **DuplexDataManager**
- **QLogic Fibre Channel Adapter**
- **Emulex Fibre Channel Adapter**
- **Broadcom LAN Controller**
- **Intel LAN Controller (Intel LAN Softwarekit)**
- **PowerNet / PowerChute UPS from APC**

## 1.2 Aktivierung der Events

### 1.2.1 Events der ServerView Agenten

The menu option  
Über den Menüpunkt

*Start -> Programme -> Fujitsu -> ServerView Suite -> Agenten Konfiguration*

können die notwendigen Konfigurationseinstellungen vorgenommen werden.

### 1.2.2 Events der Controller Treiber

Da nicht davon ausgegangen werden kann, dass alle Controllertreiber die Events automatisch in das Windows EventLog schreiben, muss dies mittels der entsprechenden Dokumentation zu den Controllern (z.B. Readme-Dateien) überprüft werden. Im Bedarfsfall ist die Aktivierung der Events dann entsprechend der dort aufgeführten Anweisungen durchzuführen.

### 1.2.3 Events des Blade Server Management Systems

Aktivierung der Events: siehe Dokumentation zum ServerView AlarmService

### 1.3 Informationen zu den Eventlisten

Jede Eventliste beinhaltet folgende Informationen:

|                                  |   |
|----------------------------------|---|
| Controller                       | Controllern-Treiber, die diese Events erzeugen. Ist diese Information nicht relevant, fehlt sie.  |
| EventLog                         | Der Name des Windows Event Log: System / Anwendung  |
| Source Name                      | Quellen-Name, mit dem ein Event im EventLog aufgeführt wird. Dieser ist innerhalb des Eventlogs zusammen mit der EventID für die Eindeutigkeit des Events notwendig.  |
| Event ID                         | Nummer des Events   |
| Severity                         | Fehlergrad des Events: Warning / Error  |
| Message                          | Text des Events. Platzhalter für variable Informationen im Text sind durch « <...> », « %n » oder « \$n » gekennzeichnet.   |
| Description                      | Beschreibung des Events (sofern diese durch die Controller-Hersteller zur Verfügung gestellt werden). Der Text der Beschreibung ist durch <i>Kursiv</i> -Schrift gekennzeichnet (falls dieser nicht in einer separaten Spalte steht). |
| Resolutions / Action after error | Beschreibung/Tipps, um das Problem, das zu diesem Event geführt hat, zu beheben.  |

Notiz: In den nachfolgenden Eventlisten sind nur die Events gelistet, deren Fehlergrad ungleich 'INFORMATIONAL' ist !

## 2. HD-MIB

EventLog: Anwendung

Source Name: "ServerView Agents"

Aktivierung der Events: siehe Kap. "Events der ServerView Agenten", S. 5.

"HD\_MIB\_nnnnn", nnnnn = Event ID

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

## 3. NTCluster-MIB

EventLog: Anwendung

Source Name: "ServerView Agents"

Aktivierung der Events: siehe Kap. "Events der ServerView Agenten", S. 5.

"NTCLUSTER\_MIB\_nnnnn", nnnnn = Event ID

| Event ID | Severity | Message                                      | Description  | Resolutions / Action after Error  |
|----------|----------|--|--|---|
| 10810    | Error    | SNMP cannot access cluster<br>software       | <i>The SNMP agent started but<br/>could not communicate with<br/>the cluster service</i> | 1.) Check if Cluster Service is<br>running.<br>2.) Check SNMP configuration.            |
| 10812    | Error    | SNMP lost access to the<br>cluster software. | <i>The SNMP agent has lost<br/>communication with the<br/>cluster service</i>            | 1.) Check if Cluster Service is<br>running.<br>2.) Check if SNMP Service is<br>running. |

|       |       |  |  |   |
|-------|-------|--|--|---|
| 10832 | Error | The node <node> has changed its state      | <i>A cluster node has changed its state</i>      | Note: If state was manually changed this is only informational otherwise perform the following actions:<br>1.) Check status of all nodes in cluster manager.<br>2.) Reboot affected node.   |
| 10852 | Error | Group has changed its state                | <i>A resource group has changed its state</i>    | Note: If state was manually changed this is only informational otherwise perform the following actions:<br>1.) Check status of the affected cluster group in cluster manager.<br>2.) Try to switch affected resource to a different node. |
| 10862 | Error | Resource %s has changed its state          | <i>A cluster resource has changed its state</i>  | Note: If state was manually changed this is only informational otherwise perform the following actions:<br>1.) Check status of the affected cluster group in cluster manager.<br>2.) Try to switch affected resource to a different node. |
| 10912 | Error | Network %s has changed its state           | <i>A Network has changed its state</i>           | 1.) Check network connection.<br>2.) Check IP configuration.  |
| 10922 | Error | Network interface %s has changed its state | <i>A network interface has changed its state</i> | 1.) Check network connection.<br>2.) Check IP configuration.  |
| 10932 | Error | Cluster group %s has failed                | <i>A cluster resource group has failed</i>       |   |
| 10935 | Error | Cluster resource %s has failed             | <i>A cluster resource has failed</i>             | Note: If state was manually changed this is only informational otherwise perform the following actions:<br>1.) Check status of the affected cluster group in cluster manager.<br>2.) Try to switch affected resource to a different node. |



|       |       |  |   |  |
|-------|-------|--|---|--|
| 10938 | Error | Cluster network %s unavailable           | <i>A cluster network is unavailable</i>           | 1.) Check network connection.<br>2.) Check IP configuration. |
| 10940 | Error | Cluster network interface %s has failed  | <i>A cluster network interface has failed</i>     | 1.) Check network connection.<br>2.) Check IP configuration. |
| 10941 | Error | Cluster network interface %s unreachable | <i>A cluster network interface is unreachable</i> | 1.) Check network connection.<br>2.) Check IP configuration. |
| 10942 | Error | Cluster network interface %s unavailable | <i>A cluster network interface is unavailable</i> | 1.) Check network connection.<br>2.) Check IP configuration. |

## 4. Threshold-MIB

EventLog: Anwendung

Source Name: "ServerView Agents"

Aktivierung der Events: siehe Kap. "Events der ServerView Agenten", S. 5.

"THRESHOLD\_MIB\_nnnnn", nnnnn = Event ID

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

## 5. SERVER-CONTROL2-MIB

EventLog: Anwendung

Source Name: "ServerView Agents"

Aktivierung der Events: siehe Kap. "Events der ServerView Agenten", S. 5.

"SC2\_MIB\_nnnnn", nnnnn = Event ID

| Event ID | Severity | Message  | Description  | Resolutions / Action after Error   |
|----------|----------|--|--|--|
| 12001    | Warning  | Communication with the Server Management controller in cabinet %d of server %s lost.   | <i>The communication with management controller failed!</i>  | Note: This is no error condition!  |
| 12003    | Warning  | The Server Management controller in cabinet %d has detected an minor problem during selftest of server %s.   | <i>Controller selftest warning.</i>  | Note: This is no error condition!  |
| 12004    | Error    | The Server Management controller in cabinet %d of server %s failed.  | <i>Controller selftest error.</i>  | See server management message log (recovery log) for detailed information.   |
| 12005    | Error    | A critical error happend while BIOS selftest in cabinet %d of server %s. See server management message log (recovery log) for detailed information.    | <i>A critical error happend while BIOS selftest. This error needs to be acknowledged to clear the error condition.</i>             | Action: See message log (recovery log) to get the error reason and fix the problem. Press 'Acknowledge BIOS selftest status' in ServerView to get the error condition cleared when the problem is fixed. |
| 12006    | Error    | The system was restarted after a severe problem at cabinet %d of server %s. See server management message log (recovery log) for detailed information. | <i>The system was restarted after a severe problem. See server management message log (recovery log) for detailed information.</i> | Action: See message log (recovery log) to get the error reason and fix the problem.  |
| 12013    | Error    | Fan '%s' will fail in near future in cabinet %d of server %s.  | <i>The indicated fan became critical</i>   | 1.) Verify that the system fan is correctly mounted.<br>2.) Check if latest BIOS revision and BMC firmware is  |

|       |       |  |   |  |
|-------|-------|--|---|--|
|       |       |  |   | installed.<br>3.) If the problem persists replace the corresponding fan due to the instructions within the manual.   |
| 12014 | Error | Fan '%s' failed in cabinet %d of server '%s'.  | <i>The indicated fan failed.</i>  | Action: Replace defect fan.<br>Attention: Do not operate system with cover removed. Proper airflow will not be guaranteed!   |
| 12015 | Error | The redundant fan '%s' failed in cabinet %d of server %s. System can become critical if another fan in this group fails. | <i>The indicated redundant fan failed</i>   | 1.) Verify that the system fan is correctly mounted.<br>2.) Check if latest BIOS revision and BMC firmware is installed.<br>3.) If the problem persists replace the corresponding fan due to the instructions within the service manual. |
| 12021 | Error | Temperature at sensor '%s' in cabinet %d of server %s has reached the warning level.                                     | <i>The temperature of the indicated sensor has reached the warning level.</i>   | Action: Check fan openings.<br>Check fans.<br>Reduce ambient temperature. Attention: Do not operate system with cover removed. Proper airflow will not be guaranteed!  |
| 12022 | Error | Temperature at sensor '%s' in cabinet %d of server %s has reached the critical level.                                    | <i>The temperature of the indicated sensor is out of tolerance range. The system will shut down and power off if shutdown is enabled.</i> | Action: Check fan openings<br>Check fans<br>Reduce ambient temperature.<br>Let the system cool down before restart. Attention: Do not operate system with cover removed. Proper airflow will not be guaranteed!                          |
| 12024 | Error | Temperature sensor '%s' in cabinet %d of server %s is broken or not connected.   | <i>The indicated temperature sensor is broken.</i>  | Action: Check connection or replace temperature sensor.  |
| 12033 | Error | Insufficient operating power supplies available in cabinet %d at server %s.  | <i>Power supply status has become critical.</i>   | Action: Replace defective power supply.<br>Install additional power supply.  |

|       |         |  |  |  |
|-------|---------|--|--|--|
| 12034 | Error   | Power supply '%s' in cabinet %d at server %s failed.   | <i>One hot-replace power supply failed.</i>                      | Action: Replace defect power supply. Attention: Power supply redundancy is lost. To restore redundancy replace defect power supply as soon as possible!  |
| 12035 | Error   | Redundant power supply '%s' in cabinet %d at server %s failed. System can become critical if another power supply fails. | <i>One redundant hot-replace power supply failed</i>             | 1.) Verify whether the AC connectors are fully plugged into all installed power supply units.<br>2.) Verify that your power provider did not have any interruptions.<br>3.) Replace defective power supply.<br>4.) If problem persists call your local Fujitsu Helpdesk. |
| 12036 | Warning | Power supply redundancy in cabinet %d at server %s lost. System will become critical if a power supply fails.            | <i>Power supply redundancy no longer available.</i>              | 1.) Verify whether the AC connectors are fully plugged into all installed power supply units.<br>2.) Verify that your power provider did not have any interruptions.<br>3.) Replace defective power supply.<br>4.) If problem persists call your local Fujitsu Helpdesk. |
| 12037 | Error   | Temperature at power supply '%s' in cabinet %d of server %s has reached the critical level.                              | <i>Critical temperature in power supply.</i>                     |  |
| 12038 | Error   | Fan failure is predicted at power supply '%s' in cabinet %d of server %s.  | <i>Fan failure prediction in power supply.</i>                   |  |
| 12039 | Error   | Fan failure at power supply '%s' in cabinet %d of server %s.   | <i>Fan failure in power supply.</i>                              |  |
| 12040 | Error   | AC failure in cabinet %d of server %s.   | <i>Mains failed in the specified cabinet. This trap can only</i> | Action: Check line voltage / power supply of cabinet.  |

|       |       |  |   |  |
|-------|-------|--|---|--|
|       |       |  | <i>happen in storage extension cabinets without UPS or BBU. A server will not have time to send this trap.</i>  |  |
| 12041 | Error | DC power failure in cabinet %d of server %s.   | <i>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.</i> | Action: Check power supply units; add additional power supply.\nReplace power supply unit(s); check AC power.  |
| 12042 | Error | AC failure. Cabinet %d at server %s is running on battery power. The remaining battery lifetime is approximately %d minutes. | <i>The server is operating on battery power - by UPS or backup battery unit (BBU).</i>  | Action: Check mains line voltage.  |
| 12051 | Error | Power supply voltage '%s' in cabinet %d at server %s is too low.   | <i>Power supply voltage is too low.</i>   | 1.) Check whether all power cables are correctly connected to the motherboard connectors.<br>2.) If the problem persists call your local Fujitsu Helpdesk. |
| 12052 | Error | Power supply voltage '%s' in cabinet %d at server %s is too high.  | <i>Power supply voltage is too high.</i>  | 1.) Check whether all power cables are correctly connected to the motherboard connectors.<br>2.) If the problem persists call your local Fujitsu Helpdesk. |
| 12053 | Error | Power supply voltage '%s' in cabinet %d at server %s is out of range.  | <i>Power supply voltage is out of range.</i>  | 1.) Check whether all power cables are correctly connected to the motherboard connectors.<br>2.) If the problem persists call your local Fujitsu Helpdesk. |
| 12054 | Error | Battery voltage '%s' in cabinet %d at server %s: Battery is predicted to fail in near future.                                | <i>Battery is predicted to fail</i>   | 1.) Disconnect AC and wait 30s before reconnect.<br>2.) If problem persists replace system battery.  |

|       |         |   |   |  |
|-------|---------|---|---|--|
| 12061 | Error   | Uncorrectable memory error at address %d in cabinet %d of server %s.                            | <i>An uncorrectable memory error at specified address was detected.</i>   | Action: Try to locate defect memory module:<br>Go to window View / System Board / Memory Modules.<br>Replace defect memory module."  |
| 12063 | Error   | Uncorrectable memory error at bank '%s' in cabinet %d of server %s.                             | <i>An uncorrectable memory error at specified bank was detected.</i>      | Action: Try to locate defect memory module:<br>Go to window View / System Board / Memory Modules.<br>Replace defect memory module.   |
| 12065 | Error   | Uncorrectable memory error at module '%s' in cabinet %d of server %s.                           | <i>An uncorrectable memory error at specified module was detected.</i>    | Action: Try to locate defect memory module:<br>Go to window View / System Board / Memory Modules.<br>Replace defect memory module.   |
| 12067 | Error   | Uncorrectable memory error in cabinet %d of server %s.  | <i>An uncorrectable memory error at unknown location was detected.</i>    | Action: Try to locate defect memory module:<br>Go to window View / System Board / Memory Modules.<br><b>Replace defect memory module.</b>  |
| 12068 | Error   | Memory module failure is predicted for module '%s' in cabinet %d of server %s.                  | <i>A memory module is predicted to fail (prefailure).</i>                 | Warning: A memory module failure is predicted. Too many errors have occurred implying that the module could fail in near future. Action: Replace the failing module.                     |
| 12069 | Error   | Memory module '%s' in cabinet %d of server %s is failing. Too many errors have occurred.        | <i>A memory module is failing.</i>  | Warning: A memory module is failing. Action: Replace the failing module immediately!   |
| 12070 | Error   | Memory module '%s' in cabinet %d of server %s had failed and was replaced by a hot-spare module | <i>A memory module had failed and was replaced by a hot-spare module.</i> | Warning: A memory module had failed. So many errors had occurred that its bank was taken out of service and replaced by a hot-spare bank. Action: Replace the failed module immediately! |
| 12071 | Warning | If logging was disabled and not automatically enabled again, you have to reboot                 | <i>Too many correctable memory errors; logging disabled.</i>              | ATTENTION! If logging was disabled and not automatically enabled again, you have   |

|       |         |   |  |  |
|-------|---------|---|--|--|
|       |         | your server to enable memory error logging again.\nIf logging is disabled, prefailure detection is also not active! |  | to reboot your server to enable memory error logging again. If logging disabled, prefailure detection does not work!   |
| 12072 | Warning | Error logging was enabled again in cabinet %d at server %s (after being disabled because of too many errors)        | <i>Memory errors logging enabled again.</i>                                    | Error logging was enabled again after being disabled because of too many errors.   |
| 12073 | Error   | A memory module in cabinet %d of server %s had failed and was replaced by a hot-spare module                        | <i>A memory module had failed and was replaced by a hot-spare module.</i>      | Warning: A memory module had failed. So many errors had occurred that its bank was taken out of service and replaced by a hot-spare bank. Action: Replace the failed module immediately! |
| 12074 | Error   | Memory configuration in cabinet %d of server %s has lost redundancy   | <i>A memory error caused loss of memory redundancy</i>                         | Warning: A severe memory error occurred. Memory redundancy is lost. Action: Replace failing module as soon as possible to regain redundancy!   |
| 12081 | Error   | CPU failure is predicted for CPU '%s' in cabinet %d of server %s.   | <i>A CPU is predicted to fail (prefailure).</i>                                | Warning: A CPU failure is predicted. Too many errors have occurred implying that the CPU could fail in near future. Action: Replace the failing CPU.                                     |
| 12082 | Error   | Internal error (IERR) occurred on CPU '%s' in cabinet %d of server %s.  | <i>A CPU internal error (IERR) occurred</i>                                    | Warning: CPU internal error (IERR) occurred. Action: Replace failing CPU if error occurs repeatedly.   |
| 12083 | Error   | CPU '%s' in cabinet %d of server %s is disabled.  | <i>A CPU is disabled by BIOS</i>   | Warning: CPU was disabled by BIOS after CPU Error occurred. Action: Reenable CPU. If error persists, replace failing CPU.  |
| 12095 | Error   | Boot retry counter is zero on server %s.  | <i>This trap will be sent when a boot retry counter gets zero on power up.</i> | 1.)Retry counter was decremented because of a severe problem and the following reboot of the system (ASR&R mechanism)  |

|       |         |   |  |  |
|-------|---------|---|--|--|
|       |         |   |  | <p>2.) Retry counter is zero. So the server will 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 | The System Event Log on server %s in cabinet %d is full. No more messages can be logged! Please clear unneeded log entries as soon as possible!                       | <i>The System Event Log (message log) is full. No more messages can be logged. This trap will not occur on wrap-around log types</i>   | Clear System Event Log in Diagnostic Tools/System Message Log Viewer.<br>Use Export function to store existing Log.  |
| 12101 | Warning | The System Event Log for cabinet %d at server %s has exceeded %d percent of its capacity.   | <i>The warning threshold for the number of System Event Log entries has been exceeded.</i>   | Clear System Event Log in Diagnostic Tools/System Message Log Viewer.<br>Use Export function to store existing Log.  |
| 12102 | Error   | An error was recorded on server %s before the management agents were started (boot phase). See server management message log (Recovery log) for detailed information. | <i>An error message was written into the systemboard'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.</i> | See server management message log for detailed error description.  |
| 12110 | Error   | The front door or housing of cabinet %d was opened on server %s.  | <i>The front door or housing was opened</i>  | <p>1.) Check whether the housing has been closed correctly.</p> <p>2.) If problem persists check intrusion switch / cable.</p>   |
| 12112 | Error   | The front door or housing of cabinet %d was opened or closed on server %s.  | <i>The front door or housing was opened or closed</i>  | <p>1.) Check whether the housing has been closed correctly.</p> <p>2.) If problem persists check intrusion switch / cable.</p>   |
| 12113 | Error   | A PCI bus system or parity  | <i>PCI bus system/parity error</i>   | 1.) Check adapter cards in PCI   |



|       |         |  |  |   |
|-------|---------|--|--|---|
|       |         | error happened in cabinet %d on server %s.   |  | slots<br>2.) If problem is reproducible replace adapter card<br>3.) Check if correct BIOS and BMC firmware are used.<br>4.) If problem persists call your local Fujitsu Helpdesk.<br>Note: An error occurred on the PCI bus.<br>Most likely reasons are plugged PCI cards (e.g. RAID controller). Also onboard components may cause this error. |
| 12120 | Error   | Warning status on component '%s' in cabinet %d of server '%s'. This component may be replaced by the customer. | <i>Customer self service component changed to warning status</i> | Action: Replace affected component, may be replaced by the customer!  |
| 12121 | Error   | Fail status on component '%s' in cabinet %d of server '%s'. This component may be replaced by the customer.    | <i>Customer self service component changed to fail status</i>    | Action: Replace affected component, may be replaced by the customer!  |
| 12122 | Error   | Warning status on component '%s' at server '%s'. This component may be replaced by the customer.               | <i>Customer self service component changed to warning status</i> | Action: Replace affected component, may be replaced by the customer!  |
| 12123 | Error   | Fail status on component '%s' at server '%s'. This component may be replaced by the customer.                  | <i>Customer self service component changed to fail status</i>    | Action: Replace affected component, may be replaced by the customer!  |
| 12131 | Error   | Power limit status in cabinet %d of server '%s' has exceeded the warning threshold.                            | <i>Power consumption limit changed to warning status</i>         |   |
| 12132 | Error   | Power limit status in cabinet %d of server '%s' has exceeded the critical threshold.                           | <i>Power consumption limit changed to critical status</i>        |   |
| 12151 | Warning | Driver Monitoring warning  | <i>Driver Monitoring detected a</i>                              | Note: This is no error  |

|       |       |  |  |            |
|-------|-------|--|--|------------|
|       |       | event at server %s: %s                         | warning event.                             | condition. |
| 12152 | Error | Driver Monitoring error event at server %s: %s | Driver Monitoring detected an error event. |            |

## 6. X10sureV1-MIB

EventLog: Anwendung

Source Name: "ServerView Agents"

Aktivierung der Events: siehe Kap. "Events der ServerView Agenten", S. 5.

"X10sureV1\_MIB\_nnnnn", nnnnn = Event ID

| Event ID | Severity | Message   | Description  | Resolutions / Action after Error |
|----------|----------|---|--|----------------------------------|
| 10002    | Warning  | Farm Name: %s, Control Node Name: %s, Date: %s, Message: %s | For future use.  |                                  |
| 10003    | Error    | Farm Name: %s, Control Node Name: %s, Date: %s, Message: %s | x10sure error description which may require operator intervention.       |                                  |
| 10004    | Error    | Farm Name: %s, Control Node Name: %s, Date: %s, Message: %s | x10sure fatal error description which may require operator intervention. |                                  |

## 7. Blade Server Management

EventLog: Anwendung

Source-Name: "FTS ServerView Services"

Aktivierung der Events: siehe Dokumentation zum ServerView AlarmService

| Event ID,<br>(Orig. Trap ID) | Severity | Message / Description                                    | Resolutions / Action after Error   |
|------------------------------|----------|--|--|
| 2                            | Warning  |  |  |
| 1604                         |          | Management blade %d at blade chassis %s status is error. | 1.) Try to connect to the master management blade. (using web interface, telnet or serial connection)<br>If access is possible:<br>2.) Check status of both management blades.<br>If the affected management blade, is the slave blade:<br>3.) Remove it from the chassis.<br>4.) Wait for at least 30 sec..<br>5.) Plug it in again.<br>In all other cases:<br>6.) Call your local Fujitsu Technology Solutions Helpdesk. |
| 1609                         |          | Server blade %d at blade chassis %s status is error.     |  |
| 1614                         |          | Switch blade %d at blade chassis %s status is error.     | Note: The following actions can only be done during a downtime of the whole blade chassis.<br>1.) Remove the switch blade from the chassis.<br>2.) Wait for at least 30 sec..<br>3.) Plug it in again.<br>4.) If problem persists call your local Fujitsu Technology Solutions Helpdesk.   |
| 1619                         |          | System fan %d at blade chassis %s status is error.       | 1.) Remove the affected fan.<br>2.) Plug it in again.<br>3.) If problem persists replace affected fan.<br>4.) If problem still persists call your local Fujitsu Technology Solutions Helpdesk.   |

|      |         |  |   |
|------|---------|--|---|
| 1622 |         | Temperature at system temperature sensor %d of blade chassis %s is out of normal range | <ol style="list-style-type: none"> <li>1.) Verify that all air flow channels are correctly installed, that the housing is closed and that the louvers are not blocked.</li> <li>2.) Verify whether the temperature within your environment did not increase above warning level.</li> <li>3.) Verify that latest management blade firmware is installed.</li> <li>4.) If the problem persists call your local Fujitsu Technology Solutions Helpdesk.</li> </ol> |
| 1625 |         | System temperature sensor %d of blade chassis %s is broken or not connected.           | <ol style="list-style-type: none"> <li>1.) Disconnect all power cables from the chassis and wait 30s before reconnect.</li> <li>2.) If the problem persists replace midplane.</li> <li>3.) If the problem still persists call your local Fujitsu Technology Solutions Helpdesk.</li> </ol>  |
| 1629 |         | Power supply unit %d at blade chassis %s failed.                                       | <ol style="list-style-type: none"> <li>1.) Check power cabling and mains voltage.</li> <li>2.) Unplug affected power supply, wait 30s and plug it in again.</li> <li>3.) Replace affected power supply.</li> <li>4.) If the problem persists call your local Fujitsu Technology Solutions Helpdesk.</li> </ol>  |
| 1652 | Warning | System power supply overall status = degraded  |   |
| 1655 | Warning | System fan overall status = degraded   |   |
| 1658 | Warning | System temperature overall status = degraded   |   |

|          |              |   |   |
|----------|--------------|---|---|
| 1662     | Warning      | Server blade %d at blade chassis %s: %s mismatch - port disabled                | Server blade configuration does not match connection blade configuration. Action:Please refer to hardware manual for compatible configurations  |
| 1664     | Warning      | Connection blade %d at blade chassis %s: %s mismatch - port disabled            | Connection blade configuration does not match server blade configuration. Action:Please refer to hardware manual for compatible configurations  |
| 1666     | Warning      | Storage blade %d at blade chassis %s: %s mismatch - port disabled               | Storage blade configuration does not match slot type. Action:Please refer to hardware manual for compatible configurations  |
| 1672     | Warning      | Power consumption limiting of blade chassis %s exceeds the limit threshold: %s  | Verify Power Consumption Limiting Configuration   |
| 1673     | Warning      | Power consumption limiting of blade chassis %s causes blade %d to shut down: %s | Verify Power Consumption Limiting Configuration   |
| <b>3</b> | <b>Error</b> |   |   |
| 1605     |              | Management blade %d at blade chassis %s status is critical.                     | <p>1.) Try to connect to the master management blade. (using web interface, telnet or serial connection)</p> <p>If access is possible:</p> <p>2.) Check status of both management blades.</p> <p>If the affected management blade, is the slave blade:</p> <p>3.) Remove it from the chassis.</p> <p>4.) Wait for at least 30 sec..</p> <p>5.) Plug it in again.</p> <p>In all other cases:</p> <p>6.) Call your local Fujitsu Technology Solutions Helpdesk.</p> |

|      |  |   |  |
|------|--|---|--|
| 1610 |  | Server blade %d at blade chassis %s status is critical. | <p>1.) Connect to the master management blade. (using web interface, telnet or serial connection)</p> <p>2.) Check the system event log of the affected server blade.</p> <p>3.) Shut down the affected server blade.</p> <p>4.) Remove it from the chassis.</p> <p>5.) Wait for at least 30 sec..</p> <p>6.) Plug it in again.</p> <p>7.) Load BIOS defaults.</p> <p>8.) If problem persists call your local Fujitsu Technology Solutions Helpdesk.</p> |
| 1615 |  | Switch blade %d at blade chassis %s status is critical. | <p>Note: The following actions can only be done during a downtime of the whole blade chassis.</p> <p>1.) Remove the switch blade from the chassis.</p> <p>2.) Wait for at least 30 sec..</p> <p>3.) Plug it in again.</p> <p>4.) If problem persists call your local Fujitsu Technology Solutions Helpdesk.</p>  |
| 1620 |  | System fan %d at blade chassis %s status is critical.   | <p>1.) Remove the affected fan.</p> <p>2.) Plug it in again.</p> <p>3.) If problem persists replace affected fan.</p> <p>4.) If problem still persists call your local Fujitsu Technology Solutions Helpdesk.</p>  |

|      |  |  |
|------|--|--|
| 1623 | Temperature at system temperature sensor %d of blade chassis %s has reached the critical level.                      | <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 warning level.</p> <p>3.) Verify that latest management blade firmware is installed.</p> <p>4.) If the problem persists call your local Fujitsu Technology Solutions Helpdesk.</p> |
| 1630 | Insufficient operating power supplies unit available in power supply unit %d at blade chassis %s.                    |  |
| 1637 | User authentication failure detected at blade chassis %s, performing protocol %s.                                    |  |
| 1638 | An error was recorded on blade chassis %s. See server management event error log (Recovery) for detailed information |  |
| 1647 | Power supply unit %d OVP fail.   | Over Voltage(OV) Protection in 12V Output occurred,Over Current 12V is an active LOW output signal that goes low whenever the power supply status shuts down because of an over voltage condition on +12V as in Over Voltage Protection, Action: Check Power or replace another PowerSupply  |

|      |       |  |   |
|------|-------|--|---|
| 1648 | Error | Power supply unit %d OCP fail.                                 | Over Current Protection in 12V Output occurred,Over Current 12V is an active LOW output signal that goes low whenever the power supply status shuts down because of an over current condition on +12V as in Over Current Protection. Action: Check Power or replace another PowerSupply |
| 1653 | Error | System power supply overall status = critical                  |   |
| 1656 | Error | system fan overall status = critical                           |   |
| 1659 | Error | System temperature overall status = critical                   |   |
| 1661 | Error | Server blade %d at blade chassis %s: I/O virtualization error. | System boot fails, because the power on self test (POST) has reported an error. Action:Please refer to BIOS specification for detail POST error description   |

Die in dieser Tabelle aufgeführten Events werden als SNMP Traps auf Blade Server Management Systemen erzeugt und vom ServerView AlarmService als Events auf einem Windows Empfänger-System in das Windows EventLog geschrieben. Dabei gibt es nur die drei Event-IDs 1, 2 und 3. Die Severity- Konvertierung ist folgendermaßen:

SNMP Trap Severity = UNKNOWN, INFORMATIONAL, MINOR -> Event ID = 1; Event Log Severity = Information;  
SNMP Trap Severity = MAJOR -> Event ID = 2; Event Log Severity = Warning;  
SNMP Trap Severity = CRITICAL -> Event ID = 3; Event Log Severity = Error;

Die Original Trap-ID ist in der ersten Spalte aufgeführt.

## 8. ServerView Raid

EventLog: Anwendung

Source Name: "ServerView Raid"

**Aktivierung der Events: Events sind immer aktiv.**

"SERVERVIEW\_RAID\_nnnnn", nnnnn = Event ID



| Event ID | Severity | Message   | Description   | Resolutions / Action after Error  |
|----------|----------|---|---|---|
| 4        | Error    | Unexpected disconnect from ServerView RAID Manager (Server %s)                  | <i>Unexpected disconnect from ServerView RAID Manager.</i>  |   |
| 10002    | Warning  | Write access of the ServerView RAID Manager revoked by user %s (%s) (Server %s) | <i>Write access of the ServerView RAID Manager revoked.</i> | For information only.   |
| 10003    | Error    | Adapter %s: BBU temperature out of range (Server %s)                            | <i>BBU temperature out of range.</i>                        | 1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature. 3) Check version of RAID controller/iRMC firmware, and BIOS. |
| 10004    | Error    | Adapter %s: BBU temperature unstable (Server %s)                                | <i>BBU temperature unstable.</i>                            | 1) Check version of RAID controller/iRMC firmware, and BIOS. 2) If problem persists replace BBU.  |
| 10005    | Error    | Adapter %s: BBU temperature above threshold (Server %s)                         | <i>BBU temperature above threshold.</i>                     | 1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature. 3) Check version of RAID controller/iRMC firmware, and BIOS. |
| 10006    | Error    | Adapter %s: BBU voltage out of range (Server %s)                                | <i>BBU voltage out of range.</i>                            | 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU.                  |
| 10007    | Error    | Adapter %s: BBU voltage unstable (Server %s)                                    | <i>BBU voltage unstable.</i>                                | 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU.                  |
| 10008    | Error    | Adapter %s: BBU voltage below threshold (Server %s)                             | <i>BBU voltage below threshold.</i>                         | 1) Check connection between BBU data/power cable and RAID   |

|       |         |   |                                   |   |
|-------|---------|---|-----------------------------------|---|
|       |         |   |                                   | controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU.  |
| 10009 | Error   | Adapter %s: BBU communication error (Server %s)   | <i>BBU communication error.</i>   | 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU.  |
| 10013 | Error   | Adapter %s: BBU failed (Server %s)                | <i>BBU failed.</i>                | Note: Only informational during recalibration process. 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU. |
| 10014 | Error   | Adapter %s: BBU fast charging failed (Server %s)  | <i>BBU fast charging failed.</i>  | Note: Do not interrupt the charging process by reboots or shutdowns. 1) Check version of RAID controller/iRMC firmware, and BIOS. 2) If problem persists replace BBU.   |
| 10015 | Warning | Adapter %s: BBU charge count exceeded (Server %s) | <i>BBU charge count exceeded.</i> | 1) Initiate manual recalibration process (e.g. via ServerView RAID Manager). Note: Do not interrupt the charging process by reboots or shutdowns. 2) If problem persists replace BBU.   |
| 10016 | Warning | Adapter %s: BBU needs reconditioning (Server %s)  | <i>BBU needs reconditioning.</i>  | Note: By default BBU recalibration is automatically initiated every 30 days. 1) If scheduled BBU recalibration is disabled initiate manual recalibration process (e.g. via ServerView RAID Manager).                          |
| 10022 | Error   | Adapter %s: Disk (%s) marked offline (Server %s)  | <i>Disk marked offline.</i>       | Note: Only informational if affected disk was manually set offline otherwise: 1) If   |

|       |         |  |   |   |
|-------|---------|--|---|---|
|       |         |  |   | offline disk is member of an array initiate a rebuild to the offline disk. 2) If problem persists replace affected disk.  |
| 10023 | Error   | Adapter %s: Disk (%s) timed out (Server %s)                      | <i>Disk timed out.</i>                      | 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 deleted on disk (%s) (Server %s)    | <i>Global hot spare deleted on disk.</i>    | For information only.   |
| 10027 | Warning | Adapter %s: Dedicated hot spare deleted on disk (%s) (Server %s) | <i>Dedicated hot spare deleted on disk.</i> | For information only.   |
| 10030 | Error   | Adapter %s: Rebuild on disk (%s) failed (Server %s)              | <i>Rebuild on disk failed.</i>              | 1) Manually initiate a second rebuild (e.g. via ServerView RAID Manager). 2) If problem persists replace affected disk.   |
| 10031 | Error   | Adapter %s: Bad block on disk (%s) LBA %s detected (Server %s)   | <i>Bad block on disk detected.</i>          | Replace affected disk.  |
| 10033 | Warning | Adapter %s: Disk (%s) removed (Server %s)                        | <i>Disk removed.</i>                        | Note: Only informational if affected disk has been removed otherwise: 1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Replace affected disk. 3) Replace affected backplane or the data cable. |
| 10036 | Error   | Adapter %s: Bad sector on disk (%s) detected (Server %s)         | <i>Bad sector on disk detected.</i>         | Replace affected disk.  |
| 10037 | Error   | Adapter %s: COD I/O error on disk (%s) (Server %s)               | <i>COD I/O error on disk.</i>               | 1) Manually initiate a rebuild (e.g. via ServerView RAID Manager) of affected disk. 2) If problem persists replace affected disk.   |
| 10038 | Error   | Adapter %s: Error on disk (%s) detected (Server %s)              | <i>Error on disk detected.</i>              | Replace affected disk.  |
| 10040 | Error   | Adapter %s: Retry I/O on disk                                    | <i>Retry I/O on disk.</i>                   | If the problem occurs   |

|       |         |   |   |   |
|-------|---------|---|---|---|
|       |         | (%s) (Server %s)  |   | repeatedly replace affected disk.   |
| 10041 | Error   | Adapter %s: ECC error on disk (%s) (Server %s)                                | <i>ECC error on disk.</i>                               | If the problem occurs repeatedly replace affected disk.   |
| 10043 | Error   | Adapter %s: Media error on disk (%s) (Server %s)                              | <i>Media error on disk.</i>                             | Replace affected disk.  |
| 10044 | Warning | Adapter %s: SMART warning on disk (%s) (Server %s)                            | <i>SMART warning on disk.</i>                           | Note: Disk reports a prefailure. The affected disk might fail soon. 1) Replace the disk during next maintenance.  |
| 10045 | Warning | Adapter %s: SMART error on disk (%s) (Server %s)                              | <i>SMART error on disk.</i>                             | Replace affected disk.  |
| 10046 | Error   | Adapter %s: Bad disk inserted in enclosure %s (Server %s)                     | <i>Bad disk inserted in enclosure.</i>                  | Replace affected disk.  |
| 10047 | Error   | Adapter %s: Enclosure %s powered down (Server %s)                             | <i>Enclosure powered down.</i>                          | 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). |
| 10049 | Error   | Adapter %s: Fan %s in enclosure %s failed (Server %s)                         | <i>Fan in enclosure failed.</i>                         | Replace affected fan within the external storage subsystem.   |
| 10050 | Error   | Adapter %s: Temperature sensor %s in enclosure %s above threshold (Server %s) | <i>Temperature sensor in enclosure above threshold.</i> | 1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature.  |
| 10051 | Error   | Adapter %s: Power supply %s in enclosure %s failed (Server %s)                | <i>Power supply in enclosure failed.</i>                | 1) Check the power cable. 2) Check the mains voltage. 3) Replace affected power supply.   |
| 10052 | Error   | Adapter %s: 3.3V power failed for disk (%s) (Server %s)                       | <i>3.3V power failed for disk.</i>                      | 1) Check whether all cables are correctly connected to the disk backplane connectors. 2) Replace affected disk.   |
| 10053 | Error   | Adapter %s: 5.0V power failed for disk (%s) (Server %s)                       | <i>5.0V power failed for disk.</i>                      | 1) Check whether all cables are correctly connected to the disk backplane connectors. 2)  |

|       |         |  |   |  |
|-------|---------|--|---|--|
|       |         |  |   | Replace affected disk.   |
| 10054 | Error   | Adapter %s: 12V power failed for disk (%s) (Server %s)                             | <i>12V power failed for disk.</i>                               | 1) Check whether all cables are correctly connected to the disk backplane connectors. 2) Replace affected disk.  |
| 10057 | Error   | Adapter %s: Rebuild failed on logical drive %s (Server %s)                         | <i>Rebuild failed on logical drive.</i>                         | 1) Manually initiate a second rebuild (e.g. via ServerView RAID Manager).  |
| 10058 | Warning | Adapter %s: Rebuild aborted on logical drive %s (Server %s)                        | <i>Rebuild aborted on logical drive.</i>                        | 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)               | <i>Consistency check failed on logical drive.</i>               | Failure happens only if a disk out of the logical drive failed. 1) Check state of logical drive. 2) If logical drive is not operational, check state of affected disk. 3) Check for additional error messages for affected disk. |
| 10063 | Warning | Adapter %s: Consistency check aborted on logical drive %s (Server %s)              | <i>Consistency check aborted on logical drive.</i>              | 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) | <i>Consistency check finished with errors on logical drive.</i> | 1) Manually initiate second consistency check (MDC). 2) If problem persists backup data from affected logical drive. 3) Delete and recreate affected logical drive. 4) Restore data.   |
| 10067 | Error   | Adapter %s: Inconsistency detected on logical drive %s at LBA %s (Server %s)       | <i>Inconsistency detected on logical drive.</i>                 | Check if logical drive is initialized. If initialized check the following: 1) Backup your data. 2) Start a consistency check with fix. 3) Compare backup data with data on logical drive. 4) If                                  |

|       |         |  |   |   |
|-------|---------|--|---|---|
|       |         |  |   | different (data lost), restore last good data.  |
| 10070 | Error   | Adapter %s: Migration failed on logical drive %s (Server %s)           | <i>Migration failed on logical drive.</i>           | 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)          | <i>Migration aborted on logical drive.</i>          | Note: Migration was probably aborted by user. For information only.   |
| 10074 | Warning | Adapter %s: Patrol Read aborted (Server %s)                            | <i>Patrol Read aborted.</i>                         | Note: Patrol read was probably aborted by user. For information only.   |
| 10078 | Warning | Adapter %s: Logical drive %s degraded (Server %s)                      | <i>Logical drive degraded.</i>                      | 1) Manually initiate a rebuild of affected disk (e.g. via ServerView RAID Manager). 2) If problem persists replace affected disk. |
| 10079 | Error   | Adapter %s: Logical drive %s failed (Server %s)                        | <i>Logical drive failed.</i>                        | Note: Sometimes it is possible to recover without data loss. Further investigation is needed.                                     |
| 10081 | Warning | Adapter %s: Logical drive %s deleted (Server %s)                       | <i>Logical drive deleted.</i>                       | For information only.   |
| 10083 | Error   | Adapter %s: Logical drive %s: Error on disk (%s) (Server %s)           | <i>Logical drive error on disk.</i>                 | Replace affected disk.  |
| 10084 | Error   | Adapter %s: Logical drive %s: Bad block at LBA %s detected (Server %s) | <i>Logical drive bad block detected.</i>            | 1) Try to rewrite data. 2) If problem persists replace affected disk.   |
| 10089 | Warning | Adapter %s: BGI canceled on logical drive %s (Server %s)               | <i>BGI canceled on logical drive.</i>               | Background initialization (BGI) resumes automatically after a certain period of time. For information only.                       |
| 10090 | Warning | Adapter %s: Initialization canceled on logical drive %s (Server %s)    | <i>Initialization canceled on logical drive.</i>    | For information only.   |
| 10093 | Error   | Adapter %s: Hot spare operation on logical drive %s failed (Server %s) | <i>Hot spare operation on logical drive failed.</i> | 1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Replace affected disk.  |

|       |         |  |  |   |
|-------|---------|--|--|---|
| 10094 | Error   | Adapter %s: Logical drive %s forced from failed to degraded (Server %s)    | <i>Logical drive forced from failed to degraded.</i> | 1) Temporary offline case. 2) Try to rebuild remaining defect drive.  |
| 10096 | Warning | Adapter %s: Alarm disabled (Server %s)                                     | <i>Alarm disabled.</i>                               | For information only.   |
| 10139 | Warning | Adapter %s: Channel %s disabled (Server %s)                                | <i>Channel disabled.</i>                             | 1) Connection issue. 2) Check all of your cabling.  |
| 10151 | Error   | Adapter %s: BBU voltage problem detected (Server %s)                       | <i>BBU voltage problem detected.</i>                 | 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU.  |
| 10152 | Error   | Adapter %s: BBU temperature problem detected (Server %s)                   | <i>BBU temperature problem detected.</i>             | 1) Check installation of all air flow channels, closed housing, and unblocked louvers. 2) Check environmental temperature. 3) Check version of RAID controller/iRMC firmware, and BIOS.                                       |
| 10154 | Error   | Adapter %s: BBU failed (Server %s)   | <i>BBU failed.</i>                                   | Note: Only informational during recalibration process. 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU. |
| 10157 | Warning | Adapter %s: Disk error fixed (Server %s)                                   | <i>Disk error fixed.</i>                             | For information only.   |
| 10170 | Error   | Reboot required (Server %s)  | <i>Reboot required.</i>                              | For information only.   |
| 10195 | Error   | Adapter %s: Unable to recover cache data from TBBU (Server %s)             | <i>Unable to recover cache data from TBBU.</i>       | Call your local Fujitsu Helpdesk.   |
| 10197 | Error   | Adapter %s: Cluster down; communication with peer lost (Server %s)         | <i>Cluster down; communication with peer lost.</i>   | Call your local Fujitsu Helpdesk.   |
| 10200 | Error   | Adapter %s: Adapter cache discarded due to memory/BBU problems (Server %s) | <i>Controller cache discarded.</i>                   |   |

|       |         |  |  |   |
|-------|---------|--|--|---|
| 10201 | Error   | Adapter %s: Unable to recover cache data due to configuration mismatch (Server %s)       | <i>Unable to recover cache data.</i>     | Call your local Fujitsu Helpdesk.   |
| 10203 | Error   | Adapter %s: Adapter cache discarded due to firmware version IOncompatibility (Server %s) | <i>Controller cache discarded.</i>       | 1) Check version of RAID controller/iRMC firmware, and BIOS.  |
| 10204 | Error   | Adapter %s: Fatal firmware error: %s (Server %s)   | <i>Fatal firmware error.</i>             | 1) Disconnect AC and wait 30 seconds before reconnect.  |
| 10206 | Error   | Adapter %s: Flash downloaded image corrupt (Server %s)                                   | <i>Flash downloaded image corrupt.</i>   | 1) Download again. 2) Retry flash.  |
| 10207 | Error   | Adapter %s: Flash erase error (Server %s)  | <i>Flash erase error.</i>                | 1) Replace affected RAID controller.  |
| 10208 | Error   | Adapter %s: Flash timeout during erase (Server %s)                                       | <i>Flash timeout during erase.</i>       | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10209 | Error   | Adapter %s: Flash error (Server %s)  | <i>Flash error.</i>                      | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10212 | Error   | Adapter %s: Flash programming error (Server %s)  | <i>Flash programming error.</i>          | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10213 | Error   | Adapter %s: Flash timeout during programming (Server %s)                                 | <i>Flash timeout during programming.</i> | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10214 | Warning | Adapter %s: Flash chip type unknown (Server %s)  | <i>Flash chip type unknown.</i>          | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10215 | Error   | Adapter %s: Flash command set unknown (Server %s)  | <i>Flash command set unknown.</i>        | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10216 | Error   | Adapter %s: Flash verification failure (Server %s)                                       | <i>Flash verify failure.</i>             | 1) Retry flash. 2) Replace affected RAID controller.  |
| 10221 | Error   | Adapter %s: Multi-bit ECC error: ECAR=%s, ELOG=%s, (%s) (Server %s)                      | <i>Multi-bit ECC error.</i>              | If the problem occurs repeatedly replace the RAID controller DIMM module (cache).                   |
| 10222 | Error   | Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s) (Server %s)                     | <i>Single-bit ECC error.</i>             | If the problem occurs repeatedly replace the RAID controller DIMM module (cache).                   |
| 10223 | Error   | Adapter %s: Not enough adapter memory (Server %s)  | <i>Not enough controller memory.</i>     | 1) Replace the RAID controller DIMM module (cache). 2) If problem persists replace RAID controller. |



|       |         |   |   |   |
|-------|---------|---|---|---|
| 10231 | Error   | Adapter %s: BGI finished with uncorrectable errors on logical drive %s (Server %s)  | <i>BGI finished with uncorrectable errors.</i>                  | Initiate consistency check (e.g. via ServerView RAID Manager).  |
| 10232 | Error   | Adapter %s: BGI detected uncorrectable multiple medium errors (disk (%s) at LBA %s on logical drive %s) (Server %s)                 | <i>BGI detected uncorrectable double medium errors.</i>         | 1) Replace affected disk.   |
| 10233 | Error   | Adapter %s: BGI failed on logical drive %s (Server %s)  | <i>BGI failed.</i>  | 1) Restart Background initialization (BGI). 2) Replace affected disk.   |
| 10237 | Error   | Adapter %s: Consistency check found inconsistent parity on logical drive %s at stripe %s (Server %s)                                | <i>Consistency check found inconsistent parity.</i>             | 1) Start consistency check again. 2) If problem persists backup data from affected logical drive. 3) Delete and recreate affected logical drive. 4) Restore data.                 |
| 10240 | Error   | Adapter %s: Initialization failed on logical drive %s (Server %s)   | <i>Initialization failed.</i>                                   | 1) Start initialization again.  |
| 10245 | Error   | Adapter %s: Migration detected uncorrectable multiple medium errors (logical drive %s at LBA %s on disk (%s) at LBA %s) (Server %s) | <i>Reconstruct detected uncorrectable double medium errors.</i> | 1) Replace affected disk.   |
| 10248 | Error   | Adapter %s: Resume migration of logical drive %s failed due to Configuration Mismatch (Server %s)                                   | <i>Reconstruction resume failed.</i>                            | 1) Check the RAID configuration and the event log for additional information. 2) Backup data from affected logical drive.   |
| 10250 | Warning | Adapter %s: Clear aborted on disk (%s) (Server %s)  | <i>Clear aborted.</i>   | For information only.   |
| 10251 | Error   | Adapter %s: Clear failed on disk (%s) (error %s) (Server %s)  | <i>Clear failed.</i>  | 1) Check version of RAID controller/iRMC firmware, and BIOS. 2) Verify that current RAID controller drivers are installed. 3) Disconnect AC and wait 30 seconds before reconnect. |

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| 10255 | Error   | Adapter %s: Error on disk (%s) (error %s) (Server %s)  | <i>Error on disk.</i>                                   | 1) Replace affected disk.  |
| 10258 | Error   | Adapter %s: Hot spare SMART polling failed on disk (%s) (error %s) (Server %s)                 | <i>Hot spare SMART polling failed.</i>                  | Call your local Fujitsu Helpdesk.  |
| 10259 | Error   | Adapter %s: Disk (%s) is not supported (Server %s)   | <i>Disk not supported.</i>                              | Install supported disk.  |
| 10262 | Error   | Adapter %s: Patrol Read found an uncorrectable medium error on disk (%s) at LBA %s (Server %s) | <i>Patrol Read found an uncorrectable medium error.</i> | 1) Replace affected disk.  |
| 10263 | Warning | Adapter %s: Predictive failure: Disk (%s) (Server %s)  | <i>Predictive failure.</i>                              | Note: Disk reports a prefailure. The affected disk might fail soon. 1) Replace the disk during next maintenance. |
| 10264 | Error   | Adapter %s: Puncturing bad block on disk (%s) at LBA %s (Server %s)                            | <i>Puncturing bad block.</i>                            | 1) Replace affected disk.  |
| 10265 | Warning | Adapter %s: Rebuild aborted by user on disk (%s) (Server %s)                                   | <i>Rebuild aborted by user.</i>                         | For information only.  |
| 10271 | Error   | Adapter %s: Rebuild stopped on disk (%s) due to loss of cluster ownership (Server %s)          | <i>Rebuild stopped.</i>                                 | 1) Restart rebuild.  |
| 10272 | Error   | Adapter %s: Reassign write operation failed on disk (%s) at LBA %s (Server %s)                 | <i>Reassign write operation failed.</i>                 | 1) Replace affected disk.  |
| 10273 | Error   | Adapter %s: Unrecoverable medium error during rebuild on disk (%s) at LBA %s (Server %s)       | <i>Unrecoverable medium error during rebuild.</i>       | 1) Replace affected disk.  |
| 10275 | Error   | Adapter %s: Unrecoverable medium error during recovery on disk (%s) at LBA %s (Server %s)      | <i>Unrecoverable medium error during recovery.</i>      | 1) Replace affected disk.  |
| 10279 | Error   | Adapter %s: Redundant path to disk (%s) broken (Server %s)                                     | <i>Redundant path broken.</i>                           | Call your local Fujitsu Helpdesk.  |
| 10281 | Warning | Adapter %s: Dedicated hot spare (%s) no longer useful due to deleted array (Server %s)         | <i>Dedicated hot spare no longer useful.</i>            | For information only.  |

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| 10282 | Error | Adapter %s: SAS topology error: Loop detected (Server %s)                          | <i>SAS topology error: Loop detected.</i>                          | Check the SAS configuration and cabling.   |
| 10283 | Error | Adapter %s: SAS topology error: Unaddressable device (Server %s)                   | <i>SAS topology error: Unaddressable device.</i>                   | Check the SAS configuration and cabling.   |
| 10284 | Error | Adapter %s: SAS topology error: Multiple ports to the same SAS address (Server %s) | <i>SAS topology error: Multiple ports to the same SAS address.</i> | Check the SAS configuration and cabling.   |
| 10285 | Error | Adapter %s: SAS topology error: Expander error (Server %s)                         | <i>SAS topology error: Expander error.</i>                         | 1) Check the SAS configuration and cabling. 2) If problem persists replace affected backplane. |
| 10286 | Error | Adapter %s: SAS topology error: SMP timeout (Server %s)                            | <i>SAS topology error: SMP timeout.</i>                            | Check the SAS configuration and cabling.   |
| 10287 | Error | Adapter %s: SAS topology error: Out of route entries (Server %s)                   | <i>SAS topology error: Out of route entries.</i>                   | Check the SAS configuration and cabling.   |
| 10288 | Error | Adapter %s: SAS topology error: Index not found (Server %s)                        | <i>SAS topology error: Index not found.</i>                        | Check the SAS configuration and cabling.   |
| 10289 | Error | Adapter %s: SAS topology error: SMP function failed (Server %s)                    | <i>SAS topology error: SMP function failed.</i>                    | Check the SAS configuration and cabling.   |
| 10290 | Error | Adapter %s: SAS topology error: SMP CRC error (Server %s)                          | <i>SAS topology error: SMP CRC error.</i>                          | Check the SAS configuration and cabling.   |
| 10291 | Error | Adapter %s: SAS topology error: Multiple subtractive (Server %s)                   | <i>SAS topology error: Multiple subtractive.</i>                   | Check the SAS configuration and cabling.   |
| 10292 | Error | Adapter %s: SAS topology error: Table to table (Server %s)                         | <i>SAS topology error: Table to table.</i>                         | Check the SAS configuration and cabling.   |
| 10293 | Error | Adapter %s: SAS topology error: Multiple paths (Server %s)                         | <i>SAS topology error: Multiple paths.</i>                         | Check the SAS configuration and cabling.   |
| 10294 | Error | Adapter %s: Unable to access disk (%s) (Server %s)                                 | <i>Unable to access disk.</i>                                      | 1) Unplug affected disk, wait 30 seconds, reinsert it. 2)                                      |

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|       |         |  |  | Replace affected disk. 3)<br>Replace affected backplane.   |
| 10295 | Warning | Adapter %s: Dedicated hot spare not useful for all arrays (Server %s)                          | <i>Dedicated hot spare not useful for all arrays.</i>    | For information only.  |
| 10296 | Warning | Adapter %s: Global hot spare does not cover all arrays (Server %s)                             | <i>Global hot spare does not cover all arrays.</i>       | 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) | <i>Marking inconsistent.</i>                             | Initiate consistency check (e.g. via ServerView RAID Manager).   |
| 10303 | Error   | Adapter %s: BBU has failed and cannot support data retention (Server %s)                       | <i>BBU has failed and cannot support data retention.</i> | 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 operation replace the BBU. |
| 10307 | Warning | Adapter %s: BBU relearn timed out (Server %s)  | <i>BBU relearn timed out.</i>                            | 1) Initiate manual recalibration process (e.g. via ServerView RAID Manager). Note: Do not interrupt the charging process by reboots or shutdowns. 2) If problem persists replace BBU.                                      |
| 10314 | Warning | Adapter %s: BBU removed (Server %s)  | <i>BBU removed.</i>                                      | For information only.  |
| 10317 | Warning | Adapter %s: Enclosure %s communication lost (Server %s)  | <i>Enclosure communication lost.</i>                     | 1) Check data cable(s) to enclosure. 2) Check if enclosure is running.   |
| 10320 | Warning | Adapter %s: Enclosure %s fan %s removed (Server %s)  | <i>Enclosure fan removed.</i>                            | For information only.  |
| 10321 | Error   | Adapter %s: Enclosure %s EMM %s failed (Server %s)   | <i>Enclosure EMM failed.</i>                             | Call your local Fujitsu Helpdesk.  |
| 10323 | Error   | Adapter %s: Enclosure %s EMM %s removed (Server %s)  | <i>Enclosure EMM removed.</i>                            | For information only.  |
| 10324 | Error   | Adapter %s: Enclosure %s shutdown (Server %s)  | <i>Enclosure shutdown.</i>                               | For information only.  |

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| 10325 | Warning | Adapter %s: Enclosure %s not supported; too many enclosures connected to port (Server %s) | <i>Enclosure not supported; too many enclosures connected to port.</i>   | Check your enclosure configuration.   |
| 10326 | Error   | Adapter %s: Enclosure %s firmware mismatch (EMM %s) (Server %s)                           | <i>Enclosure firmware mismatch.</i>                                      | Call your local Fujitsu Helpdesk.   |
| 10327 | Error   | Adapter %s: Enclosure %s sensor %s bad (Server %s)  | <i>Enclosure sensor bad.</i>   | Call your local Fujitsu Helpdesk.   |
| 10328 | Error   | Adapter %s: Enclosure %s PHY bad for slot %s (Server %s)                                  | <i>Enclosure PHY bad.</i>  | Replace affected disk.  |
| 10329 | Error   | Adapter %s: Enclosure %s is unstable (Server %s)  | <i>Enclosure is unstable.</i>  | Call your local Fujitsu Helpdesk.   |
| 10330 | Error   | Adapter %s: Enclosure %s hardware error (Server %s)                                       | <i>Enclosure hardware error.</i>   | 1) Check data cable(s) to enclosure. 2) Check if enclosure is running.  |
| 10331 | Error   | Adapter %s: Enclosure %s not responding (Server %s)                                       | <i>Enclosure not responding.</i>   | 1) Check data cable(s) to enclosure. 2) Check if enclosure is running.  |
| 10332 | Warning | Adapter %s: SAS/SATA mixing not supported in enclosure; %s disabled (Server %s)           | <i>SAS/SATA mixing not supported in enclosure.</i>                       | Check your disk configuration within enclosure.   |
| 10336 | Warning | Adapter %s: Disk (%s) too small to be used for auto rebuild (Server %s)                   | <i>Disk too small to be used for auto-rebuild.</i>                       | Check your disk configuration.  |
| 10338 | Warning | Adapter %s: BBU disabled; changing Write-back logical drives to Write-through (Server %s) | <i>BBU disabled; changing Write-back virtual disks to Write-through.</i> | Note: Only informational during recalibration process. 1) Check connection between BBU data/power cable and RAID controller. 2) Check version of RAID controller/iRMC firmware, and BIOS. 3) If problem persists replace BBU. |
| 10340 | Error   | Adapter %s: Bad block table on disk (%s) is full; unable to log Block %s (Server %s)      | <i>Bad block table full</i>  | Replace affected disk.  |
| 10341 | Warning | Adapter %s: MDC aborted due to ownership loss on logical drive %s (Server %s)             | <i>MDC aborted due to ownership loss.</i>                                | 1) Restart consistency check (MDC).   |
| 10342 | Warning | Adapter %s: BGI aborted due   | <i>BGI aborted.</i>  | 1) Restart Background   |

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|       |         | to ownership loss on logical drive %s (Server %s)   |   | initialization (BGI).  |
| 10343 | Error   | Adapter %s: BBU/charger problems detected; SOH bad (Server %s)                                      | <i>BBU/charger problems detected.</i>                     | Replace the BBU.   |
| 10344 | Warning | Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s); warning threshold exceeded (Server %s)    | <i>Single-bit ECC error; warning threshold exceeded.</i>  | If the problem occurs repeatedly replace the RAID controller DIMM module (cache).  |
| 10345 | Error   | Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s); critical threshold exceeded (Server %s)   | <i>Single-bit ECC error; critical threshold exceeded.</i> | 1) Replace the RAID controller DIMM module (cache). 2) If problem persists replace RAID controller.                              |
| 10346 | Error   | Adapter %s: Single-bit ECC error: ECAR=%s, ELOG=%s, (%s); further reporting disabled (Server %s)    | <i>Single-bit ECC error: further reporting disabled.</i>  |  |
| 10347 | Warning | Adapter %s: Enclosure %s power supply %s cable removed (Server %s)                                  | <i>Enclosure power supply cable removed.</i>              | Check the enclosure power cable(s).  |
| 10352 | Error   | Adapter %s: BBU retention test failed (Server %s)   | <i>BBU retention test failed.</i>                         | 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)   | <i>NVRAM retention test failed.</i>                       | Note: In general additional error messages should occur. If there are no other actions defined call your local Fujitsu Helpdesk. |
| 10357 | Error   | Adapter %s: %s test failed on %s pass. fail data: errorOffset=%s goodData=%s badData=%s (Server %s) | <i>Self check test failed.</i>                            | 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)  | <i>NVRAM is corrupt; reinitializing.</i>                  | If the problem occurs repeatedly replace the RAID controller.  |
| 10363 | Warning | Adapter %s: NVRAM mismatch occurred (Server %s)   | <i>NVRAM mismatch occurred.</i>                           | If the problem occurs repeatedly replace the RAID  |

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|       |         |   |   | controller.  |
| 10364 | Warning | Adapter %s: SAS wide port %s lost link on PHY %s (Server %s)                          | <i>SAS wide port lost link on PHY.</i>                    | 1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Check/replace cable between controller and affected disk. 3) Check version of RAID controller/iRMC firmware, and BIOS. 4) Replace affected disk. |
| 10366 | Warning | Adapter %s: SAS port %s, PHY %s has exceeded the allowed error rate (Server %s)       | <i>SAS port has exceeded the allowed error rate.</i>      | Note: Disk reports errors. The affected disk might fail soon. 1) Replace the disk as soon as possible.   |
| 10367 | Warning | Adapter %s: Bad block reassigned on disk (%s) from LBA %s to LBA %s (Server %s)       | <i>Bad block reassigned.</i>                              | If the problem occurs repeatedly replace the disk during next maintenance.   |
| 10376 | Error   | Adapter %s: Enclosure %s firmware download failed (Server %s)                         | <i>Enclosure firmware download failed.</i>                | Call your local Fujitsu Helpdesk.  |
| 10377 | Warning | Adapter %s: Disk (%s) is not certified (Server %s)                                    | <i>Disk is not certified.</i>                             | Check the type of your disk.   |
| 10378 | Warning | Adapter %s: Dirty cache data discarded by user (Server %s)                            | <i>Dirty cache data discarded by user.</i>                | For information only.  |
| 10379 | Warning | Adapter %s: Disks missing from configuration at boot (Server %s)                      | <i>PDS missing from configuration at boot.</i>            | Check your RAID configuration.   |
| 10380 | Warning | Adapter %s: Logical drives missing drives and will go offline at boot: %s (Server %s) | <i>VDS missing drives and will go offline at boot.</i>    | Check your RAID configuration.   |
| 10381 | Warning | Adapter %s: Logical drives missing at boot: %s (Server %s)                            | <i>VDS missing at boot.</i>                               | Check your RAID configuration.   |
| 10382 | Warning | Adapter %s: Previous configuration completely missing at boot (Server %s)             | <i>Previous configuration completely missing at boot.</i> | Check your RAID configuration.   |
| 10388 | Warning | Adapter %s: Logical drive %s partially degraded (Server %s)                           | <i>Logical drive is partially degraded.</i>               | Replace affected disk.   |
| 10389 | Warning | Adapter %s: BBU requires reconditioning; please                                       | <i>BBU requires reconditioning.</i>                       |  |

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|       |         | initiate a LEARN cycle (Server %s)  |   |  |
| 10398 | Error   | Adapter %s: MDC finished with errors on logical drive %s (Server %s)                                    | <i>MDC finished with errors on logical drive.</i>               | 1) Manually initiate second consistency check (MDC). 2) If problem persists replace affected disk. |
| 10401 | Warning | Adapter %s: Logical drive %s disabled because SAS drives are not supported by this RAID key (Server %s) | <i>Logical drive disabled because SAS drives not supported.</i> | Check the disks.   |
| 10402 | Warning | Adapter %s: Disks missing (Server %s)   | <i>Disks missing.</i>   | Check your RAID configuration.   |
| 10408 | Error   | Adapter %s: MDC failed on logical drive %s (Server %s)  | <i>MDC failed on logical drive.</i>                             | 1) Manually initiate second consistency check (MDC). 2) If problem persists replace affected disk. |
| 10409 | Warning | Adapter %s: MDC aborted on logical drive %s (Server %s)   | <i>MDC aborted on logical drive.</i>                            | For information only.  |
| 10412 | Warning | Adapter %s: State change on logical drive %s from operational to degraded (Server %s)                   | <i>State change from operational to degraded.</i>               | 1) Replace affected disk.  |
| 10413 | Warning | Adapter %s: State change on logical drive %s from operational to partially degraded (Server %s)         | <i>State change from operational to partially degraded.</i>     | 1) Replace affected disk.  |
| 10414 | Error   | Adapter %s: State change on logical drive %s from operational to failed (Server %s)                     | <i>State change from operational to failed.</i>                 | 1) Check version of RAID controller/iRMC firmware, and BIOS.                                       |
| 10416 | Warning | Adapter %s: State change on logical drive %s from degraded to degraded (Server %s)                      | <i>State change from degraded to degraded.</i>                  | Call your local Fujitsu Helpdesk.  |
| 10417 | Warning | Adapter %s: State change on logical drive %s from degraded to partially degraded (Server %s)            | <i>State change from degraded to partially degraded.</i>        | For information only.  |
| 10418 | Error   | Adapter %s: State change on logical drive %s from   | <i>State change from degraded to failed.</i>                    | 1) Replace affected disks. 2) The array has to be recreated.                                       |



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|       |         | degraded to failed (Server %s)   |  | Note: Data loss is probable.  |
| 10420 | Warning | Adapter %s: State change on logical drive %s from partially degraded to degraded (Server %s)           | <i>State change from partially degraded to degraded.</i>           | 1) Replace affected disks.  |
| 10421 | Warning | Adapter %s: State change on logical drive %s from partially degraded to partially degraded (Server %s) | <i>State change from partially degraded to partially degraded.</i> | Call your local Fujitsu Helpdesk.   |
| 10422 | Error   | Adapter %s: State change on logical drive %s from partially degraded to failed (Server %s)             | <i>State change from partially degraded to failed.</i>             | 1) Replace affected disks. 2) The array has to be recreated. Note: Data loss is probable. |
| 10424 | Warning | Adapter %s: State change on logical drive %s from failed to degraded (Server %s)                       | <i>State change from failed to degraded.</i>                       | For information only.   |
| 10425 | Warning | Adapter %s: State change on logical drive %s from failed to partially degraded (Server %s)             | <i>State change from failed to partially degraded.</i>             | For information only.   |
| 10426 | Error   | Adapter %s: State change on logical drive %s from failed to failed (Server %s)                         | <i>State change from failed to failed.</i>                         | Call your local Fujitsu Helpdesk.   |
| 10427 | Error   | Adapter %s: State change by user on disk (%s) from available to failed (Server %s)                     | <i>State change by user from available to failed.</i>              | For information only.   |
| 10432 | Error   | Adapter %s: State change by user on disk (%s) from failed to failed (Server %s)                        | <i>State change by user from failed to failed.</i>                 | For information only.   |
| 10437 | Error   | Adapter %s: State change by user on disk (%s) from hot spare to failed (Server %s)                     | <i>State change by user from hot spare to failed.</i>              | For information only.   |
| 10442 | Error   | Adapter %s: State change by user on disk (%s) from rebuilding to failed (Server %s)                    | <i>State change by user from rebuilding to failed.</i>             | For information only.   |
| 10447 | Error   | Adapter %s: State change by  | <i>State change by user from</i>                                   | For information only.   |

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|       |         | user on disk (%s) from operational to failed (Server %s)  | <i>operational to failed.</i>  |   |
| 10451 | Error   | Adapter %s: State change on disk (%s) from available to failed (Server %s)  | <i>State change from available to failed.</i>                              | 1) Replace affected disk.   |
| 10456 | Error   | Adapter %s: State change on disk (%s) from failed to failed (Server %s)   | <i>State change from failed to failed.</i>                                 | Call your local Fujitsu Helpdesk.   |
| 10461 | Error   | Adapter %s: State change on disk (%s) from hot spare to failed (Server %s)  | <i>State change from hot spare to failed.</i>                              | 1) Replace affected disk.   |
| 10466 | Error   | Adapter %s: State change on disk (%s) from rebuilding to failed (Server %s)   | <i>State change from rebuilding to failed.</i>                             | 1) Manually initiate a second rebuild (e.g. via ServerView RAID Manager). 2) If problem persists replace affected disk. |
| 10471 | Error   | Adapter %s: State change on disk (%s) from operational to failed (Server %s)  | <i>State change from operational to failed.</i>                            | 1) Replace affected disk.   |
| 10475 | Error   | Adapter %s: MDC detected uncorrectable multiple medium errors (disk (%s) at LBA %s on logical drive %s) (Server %s) | <i>MDC detected uncorrectable multiple medium errors on logical drive.</i> | 1) Replace affected disk.   |
| 10476 | Error   | Adapter %s: Disk (%s) missing after reboot (Server %s)  | <i>Disk missing after reboot.</i>  | Check your RAID configuration.  |
| 10477 | Error   | Adapter %s: Logical drive %s missing after reboot (Server %s)   | <i>Logical drive missing after reboot.</i>                                 | Check your RAID configuration.  |
| 10480 | Error   | Adapter %s: Puncturing of LBAs enabled (Server %s)  | <i>Puncture enabled.</i>   | Call your local Fujitsu Helpdesk.   |
| 10481 | Error   | Adapter %s: Puncturing of LBAs disabled (Server %s)   | <i>Puncture disabled.</i>  | Call your local Fujitsu Helpdesk.   |
| 10482 | Error   | Adapter %s: Enclosure %s EMM %s not installed (Server %s)   | <i>Enclosure EMM not installed.</i>  | Call your local Fujitsu Helpdesk.   |
| 10485 | Warning | Adapter %s: State change on disk (%s) from available to offline (Server %s)   | <i>State change from available to offline.</i>                             | For information only.   |
| 10486 | Warning | Adapter %s: State change by user on disk (%s) from  | <i>State change by user from available to offline.</i>                     | For information only.   |

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|       |         | available to offline (Server %s)  |  |   |
| 10487 | Warning | Adapter %s: State change by user on disk (%s) from failed to offline (Server %s)      | <i>State change by user from failed to offline.</i>      | For information only.   |
| 10488 | Warning | Adapter %s: State change by user on disk (%s) from hot spare to offline (Server %s)   | <i>State change by user from hot spare to offline.</i>   | For information only.   |
| 10490 | Error   | Adapter %s: State change by user on disk (%s) from offline to failed (Server %s)      | <i>State change by user from offline to failed.</i>      | For information only.   |
| 10492 | Warning | Adapter %s: State change by user on disk (%s) from offline to offline (Server %s)     | <i>State change by user from offline to offline.</i>     | For information only.   |
| 10495 | Warning | Adapter %s: State change by user on disk (%s) from operational to offline (Server %s) | <i>State change by user from operational to offline.</i> | For information only.   |
| 10496 | Warning | Adapter %s: State change by user on disk (%s) from rebuilding to offline (Server %s)  | <i>State change by user from rebuilding to offline.</i>  | For information only.   |
| 10497 | Warning | Adapter %s: State change on disk (%s) from failed to offline (Server %s)              | <i>State change from failed to offline.</i>              | For information only.   |
| 10498 | Warning | Adapter %s: State change on disk (%s) from hot spare to offline (Server %s)           | <i>State change from hot spare to offline.</i>           | 1) Manually set the disk to hot spare again (e.g. via ServerView RAID Manager). 2) If problem persists replace affected disk. |
| 10500 | Error   | Adapter %s: State change on disk (%s) from offline to failed (Server %s)              | <i>State change from offline to failed.</i>              | 1) Replace affected disk.   |
| 10502 | Warning | Adapter %s: State change on disk (%s) from offline to offline (Server %s)             | <i>State change from offline to offline.</i>             | For information only.   |
| 10505 | Warning | Adapter %s: State change on disk (%s) from operational to offline (Server %s)         | <i>State change from operational to offline.</i>         | Note: Only informational if status change was forced by user otherwise: 1) Replace  |

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|       |         |  |   | affected disk.   |
| 10506 | Warning | Adapter %s: State change on disk (%s) from rebuilding to offline (Server %s)                 | <i>State change from rebuilding to offline.</i>                         | Note: Only informational if status change was forced by user otherwise: 1) Replace affected disk.  |
| 10508 | Error   | Adapter %s: Data in cache not flushed during power up (Server %s)                            | <i>Data in cache not flushed during power up.</i>                       | If the problem occurs repeatedly call your local Fujitsu Helpdesk.   |
| 10512 | Error   | Adapter %s: Logical drive %s: Error on disk %s %s (Server %s)                                | <i>Logical drive error on disk media.</i>                               | 1) Replace affected disk.  |
| 10514 | Error   | Adapter %s: Consistency check finished with errors on logical drive %s: %s (Server %s)       | <i>Consistency check finished with errors on logical drive.</i>         | 1) Manually initiate second consistency check (MDC). 2) If problem persists backup data from affected logical drive. 3) Delete and recreate affected logical drive. 4) Restore data.                       |
| 10515 | Error   | Adapter %s: Error on logical drive %s detected (Server %s)                                   | <i>Error on logical drive detected.</i>                                 | 1) Check/replace cable between controller and affected disk. 2) If problem persists replace disk.  |
| 10516 | Error   | Adapter %s: Disk (%s) forced from failed to online (Server %s)                               | <i>Disk forced from failed to online.</i>                               | For information only.  |
| 10517 | Warning | Adapter %s: Transfer speed of disk (%s) changed (Server %s)                                  | <i>Transfer speed of disk changed.</i>                                  | 1) Check/replace cable between controller and affected disk. 2) If problem persists replace disk.  |
| 10518 | Error   | Adapter %s: SAS port %s lost link (Server %s)  | <i>SAS port lost link.</i>  | 1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Check/replace cable between controller and affected disk. 3) Check version of RAID controller/iRMC firmware, and BIOS. 4) Replace affected disk. |
| 10522 | Warning | Adapter %s: Global affinity hot spare (%s) commissioned in a different enclosure (Server %s) | <i>Global affinity hot spare commissioned in a different enclosure.</i> | Check your RAID configuration.   |
| 10523 | Warning | Adapter %s: Foreign  | <i>Foreign configuration table</i>                                      | Call your local Fujitsu  |

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|       |         | configuration table overflow (Server %s)  | overflow.   | Helpdesk.  |
| 10524 | Warning | Adapter %s: Partial foreign configuration imported, disks not imported (device numbers): %s (Server %s) | <i>Partial foreign configuration imported.</i>                                | Note: Only parts of your config were imported. 1) Call your local Fujitsu Helpdesk.  |
| 10526 | Error   | Adapter %s: Adapter missing after reboot (Server %s)  | <i>Adapter missing after reboot.</i>  | Note: Only informational if controller was removed by user otherwise: 1) Unplug affected controller, wait 30 seconds, reinsert it. 2) If problem persists replace affected controller. 3) If problem persists replace mainboard. |
| 10528 | Warning | Adapter %s: Rebuild aborted on disk (%s) (Server %s)  | <i>Rebuild aborted on disk.</i>   | Note: Only informational if rebuild was aborted by user otherwise: 1) Initiate a rebuild again (e.g. via ServerView RAID Manager).   |
| 10529 | Error   | Adapter %s: Consistency check finished with %s correctable errors on logical drive %s (Server %s)       | <i>Consistency check finished with correctable errors on logical drive.</i>   | 1) Manually initiate second consistency check (MDC). 2) If problem persists backup data from affected logical drive. 3) Delete and recreate affected logical drive. 4) Restore data.   |
| 10530 | Error   | Adapter %s: Consistency check finished with %s uncorrectable errors on logical drive %s (Server %s)     | <i>Consistency check finished with uncorrectable errors on logical drive.</i> | 1) Backup data from affected logical drive. 2) Delete and recreate affected logical drive. 3) Restore data.  |
| 10532 | Error   | Adapter %s: MDC finished with %s uncorrectable errors on logical drive %s (Server %s)                   | <i>MDC finished with uncorrectable errors on logical drive.</i>               | 1) Backup data from affected logical drive. 2) Delete and recreate affected logical drive. 3) Restore data.  |
| 10534 | Warning | Adapter %s: Changed adapter property detected after reboot (Server %s)                                  | <i>Changed adapter property detected after reboot.</i>                        | Check your adapter properties (e.g. via ServerView RAID Manager).  |
| 10536 | Warning | Adapter %s: Command timeout on disk (%s), CDB:%s (Server %s)  | <i>Command timeout on disk.</i>   | Note: Only if problem occurs repeatedly: 1) Check/replace cable between controller and affected disk. 2) If problem  |

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|       |         |  |  | persists replace affected disk and/or backplane.  |
| 10537 | Warning | Adapter %s: Disk (%s) reset (type %s) (Server %s)  | <i>Disk reset.</i>   | Note: Only if problem occurs repeatedly: 1) Check/replace cable between controller and affected disk. 2) If problem persists replace affected disk. |
| 10538 | Warning | Adapter %s: Bad block table on logical drive %s is 80 percent full (Server %s)                                     | <i>Bad block table on logical drive is 80 percent full.</i>  | Check for additional error messages for affected disk.  |
| 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) | <i>Bad block table on logical drive is full.</i>             | Check for additional error messages for affected disk.  |
| 10540 | Error   | Adapter %s: Uncorrectable medium error logged for logical drive %s at LBA %s (on disk (%s) at LBA %s) (Server %s)  | <i>Uncorrectable medium error logged for logical drive.</i>  | Check for additional error messages for affected disk.  |
| 10542 | Warning | Adapter %s: Bad block table on disk (%s) is 100 percent full (Server %s)   | <i>Bad block table on disk is 100 percent full.</i>          | 1) Replace affected disk.   |
| 10543 | Warning | Adapter %s: Bad block table on logical drive %s is 100 percent full (Server %s)                                    | <i>Bad block table on logical drive is 100 percent full.</i> | Check for additional error messages for affected disk.  |
| 10544 | Error   | Adapter %s: Adapter needs replacement, faulty IOP detected (Server %s)   | <i>Adapter needs replacement, faulty IOP detected.</i>       | 1) Replace affected RAID controller.  |
| 10551 | Error   | Adapter %s: Copyback failed on disk (%s) (Server %s)   | <i>Copyback failed on disk.</i>                              | Check for additional error messages for affected disk.  |
| 10552 | Warning | Adapter %s: Early power off warning was unsuccessful (Server %s)   | <i>Early power off warning was unsuccessful.</i>             | Call your local Fujitsu Helpdesk.   |
| 10556 | Warning | Adapter %s: Foreign configuration metadata needs to be upgraded, may become incompatible (Server %s)               | <i>Foreign configuration metadata needs to be upgraded.</i>  | For information only.   |
| 10565 | Warning | Adapter %s: Redundant path broken for disk (%s) (Server %s)  | <i>Redundant path broken.</i>                                | Call your local Fujitsu Helpdesk.   |

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| 10567 | Warning | Adapter %s: Redundant enclosure EMM %s removed for EMM %s (Server %s)  | <i>Redundant enclosure removed.</i>                            | Call your local Fujitsu Helpdesk.                              |
| 10568 | Warning | Adapter %s: Patrol Read can't be started, all disks are either not online, or are in a logical drive with an active process, or are in an excluded logical drive (Server %s) | <i>Patrol Read can't be started.</i>                           | For information only.  |
| 10570 | Error   | Adapter %s: Copyback aborted on hot spare (%s) from disk (%s) as hot spare needed for rebuild (Server %s)  | <i>Copyback aborted on hot spare.</i>                          | Call your local Fujitsu Helpdesk.                              |
| 10571 | Warning | Adapter %s: Copyback aborted on disk (%s) from disk (%s) as rebuild required in the array (Server %s)  | <i>Copyback aborted for rebuild.</i>                           | Call your local Fujitsu Helpdesk.                              |
| 10572 | Error   | Adapter %s: Cache discarded for logical drive (missing or offline) %s (Server %s)  | <i>Cache discarded for logical drive (missing or offline).</i> | For information only.  |
| 10575 | Error   | Adapter %s: Redundancy building failed on disk (%s) (Server %s)  | <i>Redundancy building failed on disk.</i>                     | Call your local Fujitsu Helpdesk.                              |
| 10576 | Warning | Adapter %s: Redundancy building aborted on disk (%s) (Server %s)   | <i>Redundancy building aborted on disk.</i>                    | Call your local Fujitsu Helpdesk.                              |
| 10588 | Warning | Adapter %s: Firmware update timeout on disk (%s) (Server %s)   | <i>Firmware update timeout on disk.</i>                        | Call your local Fujitsu Helpdesk.                              |
| 10589 | Warning | Adapter %s: Firmware update failed on disk (%s) (Server %s)  | <i>Firmware update failed on disk.</i>                         | 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)  | <i>Periodic BBU relearn is pending.</i>                        | Initiate manual learn cycle as automatic learn is not enabled. |
| 10606 | Warning | Adapter %s: Disk security key, re-key operation failed   | <i>Disk security key, re-key operation failed.</i>             | Call your local Fujitsu Helpdesk.                              |

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|       |         | (Server %s)  |  |                                   |
| 10607 | Warning | Adapter %s: Disk security key is invalid (Server %s)                                   | <i>Disk security key is invalid.</i>                                   | Call your local Fujitsu Helpdesk. |
| 10609 | Warning | Adapter %s: Disk security key from escrow is invalid (Server %s)                       | <i>Disk security key from escrow is invalid.</i>                       | Call your local Fujitsu Helpdesk. |
| 10611 | Warning | Adapter %s: Logical drive %s is partially secured (Server %s)                          | <i>Logical drive is partially secured.</i>                             | For information only.             |
| 10616 | Error   | Adapter %s: Security subsystem problems detected for disk (%s) (Server %s)             | <i>Security subsystem problems detected for disk.</i>                  | Call your local Fujitsu Helpdesk. |
| 10617 | Error   | Adapter %s: Adapter cache pinned for missing or offline logical drive %s (Server %s)   | <i>Adapter cache pinned for missing or offline logical drive.</i>      | For information only.             |
| 10618 | Error   | Adapter %s: Adapter cache pinned for missing or offline logical drives (Server %s)     | <i>Adapter cache pinned for missing or offline logical drives.</i>     | For information only.             |
| 10621 | Warning | Adapter %s: MDC started on an inconsistent logical drive %s (Server %s)                | <i>MDC started on an inconsistent logical drive.</i>                   | For information only.             |
| 10622 | Warning | Adapter %s: Disk security key failure, cannot access secured configuration (Server %s) | <i>Disk security key failure, cannot access secured configuration.</i> | Call your local Fujitsu Helpdesk. |
| 10623 | Warning | Adapter %s: Disk security pass phrase from user is invalid (Server %s)                 | <i>Disk security pass phrase from user is invalid.</i>                 | Call your local Fujitsu Helpdesk. |
| 10625 | Warning | Adapter %s: Abnormal shutdown sequence detected (Server %s)                            | <i>Abnormal shutdown sequence detected.</i>                            |                                   |
| 10626 | Error   | Adapter %s: Internal hardware error (Server %s)  | <i>Internal hardware error.</i>  | Call your local Fujitsu Helpdesk. |
| 10627 | Error   | Adapter %s: Internal hardware error during POST (Server %s)                            | <i>Internal hardware error during POST.</i>                            | Call your local Fujitsu Helpdesk. |
| 10630 | Error   | Adapter %s: Disk (%s) failed due to bad block table overflow (Server %s)               | <i>Disk failed due to bad block table overflow.</i>                    | Replace affected disk.            |
| 10631 | Error   | Adapter %s: Disk (%s) failure detected during POST (Server %s)                         | <i>Disk failure detected during POST.</i>                              | Replace affected disk.            |



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| 10632 | Error   | Adapter %s: Failure detected during POST (Server %s)   | <i>Failure detected during POST.</i>  | Call your local Fujitsu Helpdesk.   |
| 10633 | Error   | Adapter %s: Multiple failure on disk (%) detected, internal info %s (Server %s)                    | <i>Multiple failure on disk detected.</i>                                       | Replace affected disk.  |
| 10635 | Error   | Adapter %s: Disk (%) failure detected by Patrol Read (Server %s)                                   | <i>Disk failure detected by Patrol Read.</i>                                    | 1) Replace affected disk.   |
| 10636 | Error   | Adapter %s: Disk (%) failure detected after successfully building redundancy (Server %s)           | <i>Disk failure detected after successfully building redundancy.</i>            | 1) Replace affected disk.   |
| 10637 | Error   | Adapter %s: Disk (%) failure detected after aborting building redundancy (Server %s)               | <i>Disk failure detected after aborting building redundancy.</i>                | 1) Replace affected disk.   |
| 10638 | Error   | Adapter %s: Disk (%) failed (Server %s)  | <i>Disk failed.</i>   | 1) Replace affected disk.   |
| 10639 | Error   | Adapter %s: Disk (%) failed, internal info %s (Server %s)  | <i>Disk failed.</i>   | 1) Replace affected disk.   |
| 10658 | Warning | Adapter %s: Operation failed (Server %s)   | <i>Operation failed.</i>  | 1) Replace affected RAID controller.  |
| 10660 | Warning | Adapter %s: Array %s without logical drive left (Server %s)  | <i>Array without logical drive left.</i>  | There is an array which has no logical drive. Create a logical drive to use the array.                |
| 10661 | Warning | Adapter %s: Incorrect calendar parameter detected (Server %s)                                      | <i>Incorrect calendar parameter detected.</i>                                   | Check the scheduler settings.   |
| 10662 | Error   | Adapter %s: Copyback on logical drive %s aborted due to bad block table overflow (Server %s)       | <i>Copyback on logical drive aborted due to bad block table overflow.</i>       | A large number of uncorrectable bad blocks were detected on logical drive. 1) Restore last good data. |
| 10663 | Error   | Adapter %s: Redundant copy on logical drive %s aborted due to bad block table overflow (Server %s) | <i>Redundant copy on logical drive aborted due to bad block table overflow.</i> | A large number of uncorrectable bad blocks were detected on logical drive. 1) Restore last good data. |
| 10667 | Warning | Adapter %s: Bad block detected on disk (%s), %s (Server %s)  | <i>Bad block detected on disk.</i>  | For information only.   |
| 10672 | Warning | Adapter %s: Error detected on  | <i>Error detected on disk.</i>  | For information only.   |

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|       |         | disk (%s), %s (Server %s)  |   |  |
| 10675 | Warning | Adapter %s: Disk location in logical drive changed from port %s to port %s (Server %s)       | <i>Disk location in logical drive changed.</i>                    | For information only.  |
| 10680 | Warning | Adapter %s: Driver error (Server %s)   | <i>Driver error.</i>  | Check the driver version.  |
| 10682 | Warning | Adapter %s: Copyback aborted on disk (%s) (Server %s)  | <i>Copyback aborted on disk.</i>                                  | For information only.  |
| 10684 | Warning | Adapter %s: Internal hardware error (Server %s)  | <i>Internal hardware error.</i>                                   | 1) Replace affected RAID controller.   |
| 10685 | Error   | Adapter %s: Internal hardware error (Server %s)  | <i>Internal hardware error.</i>                                   | 1) Replace affected RAID controller.   |
| 10686 | Error   | Adapter %s: Disk (%s) bad block table overflow error (Server %s)                             | <i>Disk bad block table overflow error.</i>                       | A large number of uncorrectable bad blocks were detected on the disk. 1) Restore last good data. |
| 10687 | Warning | Adapter %s: Error with the remote BBU connector cable detected (Server %s)                   | <i>Error with the remote BBU connector cable detected.</i>        | Replace the BBU data/power cable.  |
| 10688 | Error   | Adapter %s: Multiple failure on disk (%s) detected during POST, internal info %s (Server %s) | <i>Multiple failure on disk detected during POST.</i>             | 1) Replace affected disk. 2) Replace affected backplane or the data cable.                       |
| 10689 | Error   | Adapter %s: Disk (%s) failed due to SAS/SATA interface error rate too high (Server %s)       | <i>Disk failed due to SAS/SATA interface error rate too high.</i> | 1) Replace affected disk. 2) Replace affected backplane or the data cable.                       |
| 10694 | Error   | Adapter %s: Logical drive %s degraded due to bad block table overflow (Server %s)            | <i>Logical drive degraded due to bad block table overflow.</i>    | A large number of uncorrectable bad blocks were detected on the disk. 1) Restore last good data. |
| 10695 | Error   | Adapter %s: Disk (%s) failed due to write error detection by driver (Server %s)              | <i>Disk failed due to write error detection by driver.</i>        | 1) Replace affected disk.  |
| 10696 | Warning | Adapter %s: Abnormal capacity of disk (%s) in logical drive detected (Server %s)             | <i>Abnormal capacity of disk in logical drive detected.</i>       | Check the array configuration.   |
| 10697 | Warning | Adapter %s: Illegal type of disk (%s) in logical drive                                       | <i>Illegal type of disk in logical drive detected.</i>            | Check the array configuration.   |

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|       |         | detected (Server %s)   |   |  |
| 10700 | Error   | Adapter %s: Internal PCI hardware error (Server %s)  | <i>Internal PCI hardware error.</i>   | Replace affected RAID controller.  |
| 10701 | Warning | Adapter %s: Bad block table was updated by disk (%s) (Server %s)   | <i>Bad block table was updated by disk.</i>   | For information only.  |
| 10702 | Warning | Adapter %s: Invalid disk on port %s during start up detected (Server %s)                                 | <i>Invalid disk on port during start up detected.</i>                               | For information only.  |
| 10703 | Warning | Adapter %s: Invalid disk on port %s during hot swap detected (Server %s)                                 | <i>Invalid disk on port during hot swap detected.</i>                               | For information only.  |
| 10704 | Warning | Adapter %s: SMART error on disk (%s) because internal error threshold on adapter is exceeded (Server %s) | <i>SMART error on disk because internal error threshold on adapter is exceeded.</i> | Note: Disk reports a prefailure. The affected disk might fail soon. 1) Replace the disk during next maintenance. |
| 10705 | Warning | Adapter %s: Firmware and driver version mismatch (Server %s)   | <i>Firmware and driver version mismatch.</i>  | Check the driver and firmware version.   |
| 10711 | Error   | Adapter %s: Disk (%s) failed since it never entered ready state, %s (Server %s)                          | <i>Disk failed since it never entered ready state.</i>                              | Replace affected disk.   |
| 10712 | Warning | Adapter %s: Internal software interface error (function: %s) (Server %s)                                 | <i>Internal software interface error.</i>   | Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.       |
| 10713 | Warning | Adapter %s: Device open error (device: %s) (Server %s)   | <i>Device open error.</i>   | Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.       |
| 10714 | Warning | Adapter %s: Ioctl send error (details: %s) (Server %s)   | <i>Ioctl send error.</i>  | Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.       |
| 10715 | Warning | Adapter %s: Insufficient application memory (function: %s) (Server %s)                                   | <i>Insufficient application memory.</i>   | Note: The driver encountered an error. 1) Check the status of the operating system. 2) Reboot your system.       |
| 10716 | Warning | Adapter %s: System API error (code: %s, function/item: %s)   | <i>System API error.</i>  | Note: The driver encountered an error. 1) Check the status of  |

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|       |         | (Server %s)  |  | the operating system. 2) Reboot your system.  |
| 10717 | Error   | Adapter %s: Firmware initialization failed (Server %s)   | <i>Firmware initialization failed.</i>   | 1) Replace affected RAID controller.  |
| 10718 | Error   | Adapter %s: Firmware recovery failed (Server %s)   | <i>Firmware recovery failed.</i>   | 1) Replace affected RAID controller.  |
| 10729 | Warning | Adapter %s: BBU requires reconditioning; please initiate recalibration (Server %s)   | <i>BBU requires recalibration.</i>   | 1) Initiate manual recalibration process (e.g. via ServerView RAID Manager). Note: Do not interrupt the charging process by reboots or shutdowns. 2) If problem persists replace BBU. |
| 10732 | Warning | Task %s for object %s cannot be started (error %s). The scheduler will try to start the task again later (Server %s)       | <i>Task for object cannot be started. The scheduler will try to start the task again later.</i>                  | Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.   |
| 10734 | Error   | Task %s for object %s cannot be started (error %s). The scheduler has disabled the task (Server %s)                        | <i>Task for object cannot be started. The scheduler has disabled the task.</i>                                   | Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.   |
| 10736 | Error   | Adapter %s: SAS topology error: %s (Server %s)   | <i>SAS topology error.</i>   | 1) Unplug affected disk, wait 30 seconds, reinsert it. 2) Replace affected disk. 3) Replace affected backplane or the data cable.   |
| 10737 | Warning | Adapter %s: BBU required reconditioning; recalibration initiated (Server %s)   | <i>BBU requires recalibration automatically initiated.</i>   | For information only.   |
| 10738 | Warning | Task %s for object %s could not be started at the normal execution time because the service or system was down (Server %s) | <i>Task for object could not be started at the normal execution time because the service or system was down.</i> | Check the scheduler settings.   |
| 10739 | Warning | Task %s for object %s cannot be started (error %s). The task will be set to the next regular execution time                | <i>Task for object cannot be started. The task will be set to the next regular execution time.</i>               | Check the error code. Then check the controller settings, scheduler settings and disk/logical drive/BBU status.   |

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|       |         | (Server %s)   |   |                                      |
| 10755 | Error   | Adapter %s: State change on disk (%s) from copyback to failed (Server %s)                       | <i>State change from copyback to failed.</i>                                    | Replace affected disk.               |
| 10757 | Warning | Adapter %s: State change on disk (%s) from copyback to offline (Server %s)                      | <i>State change from copyback to offline.</i>                                   | For information only.                |
| 10763 | Error   | Adapter %s: State change on disk (%s) from JBOD to failed (Server %s)                           | <i>State change from JBOD to failed.</i>  | Replace affected disk.               |
| 10765 | Warning | Adapter %s: State change on disk (%s) from JBOD to offline (Server %s)                          | <i>State change from JBOD to offline.</i>                                       | For information only.                |
| 10781 | Error   | Adapter %s: State change by user on disk (%s) from copyback to failed (Server %s)               | <i>State change by user from copyback to failed.</i>                            | Replace affected disk.               |
| 10783 | Warning | Adapter %s: State change by user on disk (%s) from copyback to offline (Server %s)              | <i>State change by user from copyback to offline.</i>                           | For information only.                |
| 10789 | Error   | Adapter %s: State change by user on disk (%s) from JBOD to failed (Server %s)                   | <i>State change by user from JBOD to failed.</i>                                | For information only.                |
| 10791 | Warning | Adapter %s: State change by user on disk (%s) from JBOD to offline (Server %s)                  | <i>State change by user from JBOD to offline.</i>                               | For information only.                |
| 10801 | Warning | Adapter %s: Disk security failed to communicate with external key management system (Server %s) | <i>Disk security failed to communicate with external key management system.</i> | Call your local Fujitsu Helpdesk.    |
| 10803 | Warning | Adapter %s: Logical drive %s secure failed (Server %s)  | <i>Logical drive secure failed.</i>   | For information only.                |
| 10804 | Error   | Adapter %s: Controller encountered a fatal error and was reset (Server %s)                      | <i>Controller encountered a fatal error and was reset.</i>                      | 1) Replace affected RAID controller. |
| 10805 | Error   | Adapter %s: Configuration command could not be committed to disk, please                        | <i>Configuration command could not be committed to disk.</i>                    | Call your local Fujitsu Helpdesk.    |

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|       |         | <b>retry (Server %s)</b>   |   |   |
| 10807 | Warning | Adapter %s: Power state change failed on disk (%s) (from active to stopped) (Server %s)    | <i>Power state change failed on disk (from active to stopped).</i>    | Replace affected disk.  |
| 10808 | Warning | Adapter %s: Power state change failed on disk (%s) (from stopped to active) (Server %s)    | <i>Power state change failed on disk (from stopped to active).</i>    | Replace affected disk.  |
| 10809 | Warning | Adapter %s: Logical drive %s is not ready (Server %s)                                      | <i>Logical drive is not ready.</i>                                    | For information only.   |
| 10812 | Warning | Adapter %s: Adapter has been replaced during reboot (Server %s)                            | <i>Adapter has been replaced during reboot.</i>                       | For information only.   |
| 10813 | Warning | Adapter %s: Enclosure %s power supply %s removed (Server %s)                               | <i>Enclosure power supply removed.</i>                                | For information only.   |
| 10814 | Warning | Adapter %s: Enclosure %s power supply %s turned off (Server %s)                            | <i>Enclosure power supply turned off.</i>                             | For information only.   |
| 10817 | Warning | Adapter %s: Enclosure %s temperature sensor %s below warning threshold (Server %s)         | <i>Enclosure temperature sensor below warning threshold.</i>          | 1) Check environmental temperature.   |
| 10818 | Error   | Adapter %s: Enclosure %s temperature sensor %s below error threshold (Server %s)           | <i>Enclosure temperature sensor below error threshold.</i>            | 1) Check environmental temperature.   |
| 10819 | Warning | Adapter %s: Enclosure %s temperature sensor %s above warning threshold (Server %s)         | <i>Enclosure temperature sensor above warning threshold.</i>          | 1) Check installation of all air flow channels, closed housing, and unblocked louvers.<br>2) Check environmental temperature. |
| 10820 | Error   | Adapter %s: Enclosure %s temperature sensor %s above error threshold (Server %s)           | <i>Enclosure temperature sensor above error threshold.</i>            | 1) Check installation of all air flow channels, closed housing, and unblocked louvers.<br>2) Check environmental temperature. |
| 10822 | Warning | Adapter %s: Power state change failed on disk (%s) (from active to transition) (Server %s) | <i>Power state change failed on disk (from active to transition).</i> | Replace affected disk.  |

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| 10824 | Warning | Adapter %s: Power state change failed on disk (%s) (from stopped to transition) (Server %s)               | Power state change failed on disk (from stopped to transition).     | Replace affected disk.   |
| 10826 | Warning | Adapter %s: Power state change failed on disk (%s) (from transition to active) (Server %s)                | Power state change failed on disk (from transition to active).      | Replace affected disk.   |
| 10828 | Warning | Adapter %s: Power state change failed on disk (%s) (from transition to stopped) (Server %s)               | Power state change failed on disk (from transition to stopped).     | Replace affected disk.   |
| 10829 | Warning | Adapter %s: Reset on-board expander (Server %s)   | Reset on-board expander.  |  |
| 10846 | Warning | Adapter %s: Consistency check rejected on uninitialized logical drive %s (Server %s)                      | Consistency check rejected on uninitialized logical drive.          | Initiate manual MDC to initialize the logical drive.   |
| 10852 | Warning | Adapter %s: CacheCade %s capacity changed and is now %s logical blocks (Server %s)                        | CacheCade capacity changed.   | For information only.  |
| 10853 | Warning | Adapter %s: BBU life has degraded and cannot initiate transparent learn cycles (Server %s)                | BBU life has degraded and cannot initiate transparent learn cycles. | <ol style="list-style-type: none"> <li>1. Initiate manual relearn cycle.</li> <li>2. If problem persists replace BBU.</li> </ol> |
| 10857 | Warning | Adapter %s: Advanced software options serial number mismatched. Key Vault serial number is %s (Server %s) | Advanced software options serial number mismatched.                 | Controller serial number does not match with premium feature key. Apply key to appropriate controller.                           |
| 10858 | Warning | Adapter %s: BBU cannot support data retention for more than %s hours (Server %s)                          | 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 | Adapter %s: Logical drive %s cannot transition to maximum power savings (Server %s)                       | Logical drive cannot transition to maximum power savings.           | For information only.  |
| 10864 | Warning | Adapter %s: Disk (%s) link %s failed in SAS wide port (Server %s)   | 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.<br>3) Check version of RAID controller/iRMC firmware, and BIOS. 4) Replace affected disk. |
| 10867 | Warning | Adapter %s: FBU power pack is sub-optimal (Server %s)  | FBU power pack is sub-optimal.                               | Note: Not used with PRIMERGY servers.<br>Replace FBU.   |
| 10868 | Warning | Adapter %s: Foreign configuration auto-import did not import any drives (Server %s)                    | Foreign configuration auto-import did not import any drives. | Attempt to import a foreign config failed.<br>Call your local Fujitsu Helpdesk.   |
| 10869 | Warning | Adapter %s: FBU firmware update required (Server %s)   | FBU firmware update required.                                | Note: Not used with PRIMERGY servers.<br>Call your local Fujitsu Helpdesk.  |
| 10870 | Warning | Adapter %s: CacheCade %s capacity exceeds maximum allowed size, extra capacity is not used (Server %s) | CacheCade capacity exceeds maximum allowed size.             | Call your local Fujitsu Helpdesk.   |
| 10871 | Warning | Adapter %s: Logical drive %s protection information lost (Server %s)                                   | Logical drive protection information lost.                   | Note: Not used with PRIMERGY servers.<br>Call your local Fujitsu Helpdesk.  |
| 10873 | Error   | Adapter %s: Diagnostics failed for disk (%s) (Server %s)   | Diagnostics failed for disk.                                 | Replace affected disk.  |
| 10890 | Error   | Adapter %s: Erase failed on disk (%s) (error %s) (Server %s)   | Erase failed on disk.  | Note: Not used with PRIMERGY servers.<br>Call your local Fujitsu Helpdesk.  |
| 10895 | Error   | Adapter %s: Erase failed on logical drive %s (Server %s)   | Erase failed on logical drive.                               | Note: Not used with PRIMERGY servers.<br>Call your local Fujitsu Helpdesk.  |
| 10899 | Warning | Adapter %s: Potential leakage during erase on logical drive %s (Server %s)                             | Potential leakage during erase on logical drive.             | Note: Not used with PRIMERGY servers<br>1. Call your local Fujitsu Helpdesk   |
| 10900 | Warning | Adapter %s: BBU charging was suspended due to high BBU   | BBU charging was suspended due to high BBU temperature.      | Bring system back to normal operating temperature.  |



|       |         |  |  |  |
|-------|---------|--|--|--|
|       |         | temperature (Server %s)  |  |  |
| 10902 | Warning | Adapter %s: FBU firmware update failed (Server %s)   | FBU firmware update failed.  | Note: Not used with PRIMERGY servers.<br>1. Call your local Fujitsu Helpdesk   |
| 10903 | Error   | Adapter %s: Logical drive %s access blocked as cached data in CacheCade is unavailable (Server %s) | Logical drive access blocked as cached data in CacheCade is unavailable. | Call your local Fujitsu Helpdesk.  |
| 10906 | Error   | Adapter %s: CacheCade disassociate failed on logical drive %s (Server %s)                          | CacheCade disassociate failed on logical drive.                          | Call your local Fujitsu Helpdesk.  |
| 10909 | Warning | Adapter %s: Unexpected sense: Disk (%s), CDB:%s, Sense:%s (Server %s)                              | Unexpected sense.  | For information only.  |
| 10910 | Error   | Adapter %s: Unexpected sense: Disk (%s), CDB:%s, Sense:%s (Server %s)                              | Unexpected sense.  | For information only.  |
| 10914 | Warning | Adapter %s: Advanced Software Options was deactivated for - %s (Server %s)                         | Advanced Software Options was deactivated for.                           | Call your local Fujitsu Helpdesk.  |
| 10918 | Warning | Adapter %s: Patrol Read aborted on disk (%s) (Server %s)   | Patrol Read aborted on disk.   | Note: If there are errors directly before or after this event, perform the proper recovery action for that error. For information only.                              |
| 10919 | Warning | Adapter %s: Transient error detected while communicating with disk (%s) (Server %s)                | Transient error detected while communicating with disk.                  | Note: Doesn't affect the normal operation of the system, but can lead to degraded performance due to retries. Replace affected disk/backplane/cable at next service. |
| 10924 | Warning | Adapter %s: State change on disk (%s) from shielded to offline (Server %s)                         | State change from shielded to offline.                                   | Replace affected disk  |
| 10925 | Error   | Adapter %s: State change on disk (%s) from shielded to   | State change from shielded to failed.                                    | Replace affected disk.   |

|       |       |   |  |   |
|-------|-------|---|--|---|
|       |       | failed. (Server %s)   |  |   |
| 10931 | Error | Adapter %s: State change on disk (%s) from shielded to shielded (Server %s)   | State change from shielded to shielded.    | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10932 | Error | Adapter %s: State change on disk (%s) from available to shielded (Server %s)  | State change from available to shielded.   | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10933 | Error | Adapter %s: State change on disk (%s) from offline to shielded (Server %s)    | State change from offline to shielded.     | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10934 | Error | Adapter %s: State change on disk (%s) from failed to shielded (Server %s)     | State change from failed to shielded.      | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10935 | Error | Adapter %s: State change on disk (%s) from hot spare to shielded (Server %s)  | State change from hot spare to shielded.   | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10936 | Error | Adapter %s: State change on disk (%s) from rebuilding to shielded (Server %s) | State change from rebuilding to shielded.  | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10937 | Error | Adapter %s: State change on disk (%s) from operational to shielded            | State change from operational to shielded. | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10938 | Error | Adapter %s: State change on disk (%s) from copyback to shielded (Server %s)   | State change from copyback to shielded.    | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10939 | Error | Adapter %s: State change on disk (%s) from JBOD to shielded (Server %s)       | State change from JBOD to shielded.        | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |

|       |         |  |  |   |
|-------|---------|--|--|---|
| 10941 | Warning | Adapter %s: State change by user on disk (%s) from shielded to offline (Server %s)     | State change by user from shielded to offline.     | Replace affected disk.  |
| 10942 | Error   | Adapter %s: State change by user on disk (%s) from shielded to failed (Server %s)      | State change by user from shielded to failed.      | Replace affected disk.  |
| 10948 | Error   | Adapter %s: State change by user on disk (%s) from shielded to shielded (Server %s)    | State change by user from shielded to shielded.    | Replace affected disk.  |
| 10949 | Error   | Adapter %s: State change by user on disk (%s) from available to shielded (Server %s)   | State change by user from available to shielded.   | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10950 | Error   | Adapter %s: State change by user on disk (%s) from offline to shielded (Server %s)     | State change by user from offline to shielded.     | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10951 | Error   | Adapter %s: State change by user on disk(%s) from failed to shielded (Server %s)       | State change by user from failed to shielded.      | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10952 | Error   | Adapter %s: State change by user on disk (%s) from hot spare to shielded (Server %s)   | State change by user from hot spare to shielded.   | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10953 | Error   | Adapter %s: State change by user on disk (%s) from rebuilding to shielded (Server %s)  | State change by user from rebuilding to shielded.  | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10954 | Error   | Adapter %s: State change by user on disk (%s) from operational to shielded (Server %s) | State change by user from operational to shielded. | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
| 10955 | Error   | Adapter %s: State change by user on disk (%s) from copyback to shielded (Server %s)    | State change by user from copyback to shielded.    | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |

|       |       |   |   |   |
|-------|-------|---|---|---|
| 10956 | Error | Adapter %s: State change by user on disk (%s) from JBOD to shielded (Server %s) | State change by user from JBOD to shielded. | 1. Wait until checking in shielded state is completed.<br>2. Perform action according to upcoming status. |
|-------|-------|---|---|---|

## 9. Duplex Data Manager (DDM)

EventLog: **system**

Source Name: "**ddm**"

Aktivierung der Events: Events sind immer aktiv.

"DDM\_nnnn", nnnn = Event ID

| Event ID | Severity | Message / Description   | Resolutions / Action after Error   |
|----------|----------|---|--|
| 1        | Warning  | DW PxDxTxLx: Thread allocation failed!<br><i>DDM cannot control this device correctly because there is a lack of memory.</i>  | Please check your system if there are any drivers leaking memory or if the system really needs more physical memory.   |
| 2        | Warning  | DW PxDxTxLx failed!<br><i>DDM has discovered a failure at the device PxDxTxLx. The status of the device is set to Error, and no data is written to this device anymore.</i> | 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 PxDxTxLx: Memory allocation problem!<br><i>DDM cannot control this device correctly because there is a lack of memory.</i>   | Please report this message to your driver supplier.  |
| 6        | Warning  | DW PxDxTxLx: No or invalid on disk configuration found!<br><i>DDM cannot find the configuration data on this disk.</i>  | If you this message refers to a disk, which should have a valid COD, please report this message to Fujitsu Siemens support. Otherwise, please re-format the disk as it probably contains   |

|    |         |  |   |
|----|---------|--|---|
|    |         |  | stale date from an old configuration.   |
| 7  | Warning | DW PxPxTxLx: Too many SCSI ports in system!<br>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!<br>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!<br>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!<br>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. |
| 18 | Warning | MP PxPxTxLx: failed and was disabled!<br>DDM has detected a failure on this path. The path is not usable anymore. Recovering from error will be logged by event id 4354.   | Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.  |
| 21 | Warning | MP PxPxTxLx: Memory allocation problem!<br>DDM cannot control this device correctly because there is a lack of memory.   | Please check the memory usage of your system if a component (e.g. driver) has a memory leak.  |
| 25 | Warning | MP PxPxTxLx: Device was removed / path gone!<br>This path was removed by Plug and Play functions of the system, after an error was detected.<br>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. | Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.  |
| 26 | Warning | DDM PxPxTxLx: Device had signature that was already found for another disk!<br>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                                  | This typically happens if a disk is added to a system, which previously was member of a DW group.<br>Remove this disk again and wipe  |

|      |         |  |  |
|------|---------|--|--|
|      |         | 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.   | it (clean the MBR) - e.g. using ServerStart or doing a low level format.   |
| 4368 | Warning | DW PxPxTxLx: Signatures on piece0 and piece1 are different but cannot be restored.<br><i>This is a serious problem, which cannot be fixed by the driver.</i>   | It is necessary to repair signatures on both pieces by hand (i.e. with ddmutil). If MS-Cluster is running on this disk, please ensure to write the correct signature, which MS-Cluster expects for this disk.<br>To find this signature see %SystemRoot%\Cluster\cluster.log and Registry HKLM\System\CurrentControlSet\ClusDisk\Parameter\Signatures. |
| 4369 | Error   | DW PxPxTxLx: Second try to write FastRecoverArray while both pieces are online!<br><i>There was an error keeping track of the changes written to disk. Delta Recover is disabled.</i>  | Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.   |
| 4370 | Error   | DW PxPxTxLx: Someone has written a wrong Signature to MBR!<br><i>This could destroy a cluster, a cluster resource or a Duplex Write group!</i>   | Please check if anyone changes the disk signature in the master boot record (MBR).   |
| 4371 | Warning | DW PxPxTxLx: Piece was removed.<br><i>Duplex Write piece was removed by Plug and Play event.</i>   | Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.   |
| 4376 | Warning | DW PxPxTxLx: DWLun for this piece is not set.<br><i>In data structure "DeviceExtension" is flag DWLun not set.</i>   | Please report this event to Fujitsu Helpdesk.  |
| 4384 | Error   | Fault tolerance for the RootDisk is not warranted anymore.   | 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.<br><i>In this situation, both nodes have access to one piece of this DW-Group. To avoid data corruption, this may occur, if the node, which did not own this disk, does a failover of it, this piece was set to DISABLED.</i> | 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   |

|      |       |   |  |
|------|-------|---|--|
|      |       | <i>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.</i>  | status of this DW-Group is ERROR/DISABLED, set the piece with status ERROR to online - recover the disabled piece.   |
| 5122 | Error | Error: DuplexDataManager Service could not initialize.  | Check for a correct installation.  |
| 5123 | Error | Error: DuplexDataManager Service - Consistency Check (SCSI address) READ at block number <block> failed.<br><i>The data for comparing will be read from both pieces via SCSI Passthrough commands. In case of MultiPath the active path is used.<br/>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. Another cause of a failure can be non-block aligned block asynchronous I/O (e.g. pagefile.sys).</i> | Please check your configuration.   |
| 5125 | Error | Error: DuplexDataManager Service - Consistency Check (SCSI address of both pieces) READ at block number <number> failed.<br><i>The data for comparing will be read from both pieces via SCSI Passthrough commands.</i>  | 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.<br>1.) Also disabling a piece or moving a cluster resource to another node will terminate the Consistency Check.<br>1.) Another cause of a failure can be non-block aligned block asynchronous I/O (e.g. pagefile.sys). |
| 5126 | Error | Error: DuplexDataManager Service - Consistency Check (SCSI addresses of both pieces) failed. The data is different at block number <block>.   | Please check your configuration. Non-block aligned block asynchronous I/O (e.g. pagefile.sys) produces differences between DuplexWrite pieces.<br>In this case, a Consistency  |

|      |       |   |   |
|------|-------|---|---|
|      |       |   | Check makes no sense. For consistency, check file system, 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!<br><i>The user cancels the consistency check.</i> | Only if block different: Please check your configuration. Non-block aligned block asynchronous I/O (e.g. pagefile.sys) produces differences between DuplexWrite pieces.<br>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.<br>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.   |
| 5135 | Error | Error: DuplexDataManager Service - Fatal error caught in routine <thread>.  | Please restart DuplexDataManager  |
| 5138 | Error | Error: DuplexDataManager Service - CloneData (<SCSI address>)   | Please restart  |



|      |         |   |  |
|------|---------|---|--|
|      |         | failed (no normal termination).   | 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>).<br><text>.<br>Text:<br>- Terminate CloneData because status of source piece changed<br>- Disable before delta CloneData failed<br>- Recover start failed   | Start a recover for this DuplexWriteGroup.   |
| 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.<br>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>.<br>Text:<br>- Set MPIO path <SCSI address> to Failed.<br>- MPIO device <device> (<SCSI address>) is removed.<br>- MPIO path (PathId 0x<PathId>, <SCSI address>) to device <device> is removed/failed.<br>- MPIO Path status for device <device> (<SCSI address>) changed from Active to Failed.<br>- MPIO Path status for device <device> (<SCSI address>) changed from Standby to Failed.<br>- MPIO path <SCSI address> failed. Retry successful on other port. | Check fibre channel cabling, external storage, fibre channel switch and host bus adapter to find the reason.   |
| 6144 | Error   | Error: DuplexDataManager MPIO event watch process - Fatal   | Please restart   |

|  |  |                   |
|--|--|-------------------|
|  | error caught in routine MPIOWatchThread. | DuplexDataManager |
|--|--|-------------------|

## 10. QLogic Fibre Channel Adapter

Controller: **QLogic Adapter QLA1040 NT**

EventLog: **System**

Source Name: "ql10wnt"

Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.

"QL10WNT\_11"

| Event ID,<br>Detail Event<br>Code | Severity | Message / Description   | Resolutions / Action after Error  |
|-----------------------------------|----------|---|-----------------------------------|
|                                   |          |   | Call your local Fujitsu Helpdesk. |
| 11<br>4001xxxx                    | Error    | Invalid mailbox command<br>xxxx = mailbox1, yyyy = mailbox2, zz = command               |                                   |
| 11<br>4002xxxx                    | Error    | Host interface error<br>xxxx = mailbox1, yyyy = mailbox2, zz = command                  |                                   |
| 11<br>4003xxxx                    | Error    | Mailbox command test failed<br>xxxx = mailbox1, yyyy = mailbox2, zz = command           |                                   |
| 11<br>4005xxxx                    | Error    | Mailbox command error<br>xxxx = mailbox1, yyyy = mailbox2, zz = command                 |                                   |
| 11<br>4006xxxx                    | Error    | Mailbox command parameter error<br>xxxx = mailbox1, yyyy = mailbox2, zz = command       |                                   |
| 11<br>80010000                    | Error    | Reset detected  |                                   |
| 11<br>8002xxxx                    | Error    | RISC system error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3                  |                                   |
| 11<br>8003xxxx                    | Error    | RISC request queue transfer error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3  |                                   |
| 11<br>8004xxxx                    | Error    | RISC response queue transfer error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3 |                                   |
| 11                                | Error    | Restarting RISC firmware  |                                   |

|                |       |   |  |
|----------------|-------|---|--|
| F0000000       |       |   |  |
| 11<br>F0010000 | Error | Invalid IOCB/IOSB handle from RISC xxxx = IOCB/IOSB handle                                |  |
| 11<br>F0020000 | Error | Invalid entry type in response queue xx = response queue entry type                       |  |
| 11<br>F0030002 | Error | Command DMA direction error xx = CDB opcode yy = target loop ID                           |  |
| 11<br>F0030004 | Error | Reset command completion error xx = CDB opcode yy = target loop ID                        |  |
| 11<br>F0030005 | Error | Command aborted by OS xx = CDB opcode yy = target loop ID                                 |  |
| 11<br>F0030006 | Error | Command timeout error xx = CDB opcode yy = target loop ID                                 |  |
| 11<br>F003001C | Error | Target device queue full (SCSI status 28 from target) xx = CDB opcode yy = target loop ID |  |
| 11<br>F0040000 | Error | Command not returned error  |  |
| 11<br>F0050000 | Error | Mailbox command error xx = mailbox command opcode   |  |
| 11<br>F0060000 | Error | Mailbox command timeout error xx = mailbox command opcode                                 |  |
| 11<br>F0070000 | Error | Invalid response queue pointer from RISC xxxx = response queue pointer                    |  |
| 11<br>F0080000 | Error | Invalid/unexpected async event code from RISC xxxx = async event code                     |  |

Anmerkung zu "Event ID / Detail Event Code":

Die Event ID ist für alle Log-Einträge immer 11.

Der Detail Event Code ist sichtbar, wenn das Data-Format in der Event Detail-Anzeige auf 'Words' gesetzt wird. Dieser Code steht ab Offset 34h.

Controller: **QLogic Adapter QLA1080 NT**

EventLog: **system**

Source Name: "ql1080"

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

"QL1080\_11"

| Event ID,<br>Detail Event<br>Code | Severity | Message / Description   | Resolutions / Action after Error  |
|-----------------------------------|----------|---|-----------------------------------|
|                                   |          |   | Call your local Fujitsu Helpdesk. |
| 11<br>4001xxxx<br>...<br>F0080000 | Error    | EventLog-Einträge like table <b>QLogic Adapter QLA1040 NT</b> |                                   |
| 11<br>F0090000                    | Error    | Resetting SCSI bus  |                                   |
| 11<br>F00A0000                    | Error    | Invalid Offset IOCB/IOSB from risc xxxx = Offset              |                                   |
| 11<br>F00B00xx                    | Error    | SCSI Bus Dead xx = Low bits indicate the bus number.          |                                   |

Anmerkung zu "Event ID / Detail Event Code":

Die Event ID ist für alle Log-Einträge immer 11.

Der Detail Event Code ist sichtbar, wenn das Data-Format in der Event Detail-Anzeige auf 'Words' gesetzt wird. Dieser Code steht ab Offset 34h.

Controller: **QLogic Adapter QL2x00 NT**

EventLog: **system**

Source Name: "q12100", "q12200"

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

"QLA2100\_11"

| Event ID,<br>Detail Event<br>Code | Severity | Message / Description   | Resolutions / Action after Error  |
|-----------------------------------|----------|---|-----------------------------------|
|                                   |          |   | Call your local Fujitsu Helpdesk. |
| 11<br>4001xxxx                    | Error    | Invalid mailbox command<br>xxxx = mailbox1, yyyy = mailbox2, zz = command     |                                   |
| 11<br>4002xxxx                    | Error    | Host interface error<br>xxxx = mailbox1, yyyy = mailbox2, zz = command        |                                   |
| 11<br>4003xxxx                    | Error    | Mailbox command test failed<br>xxxx = mailbox1, yyyy = mailbox2, zz = command |                                   |
| 11                                | Error    | Mailbox command error   |                                   |

|                |       |  |  |
|----------------|-------|--|--|
| 4005xxxx       |       | xxxx = mailbox1, yyyy = mailbox2, zz = command   |  |
| 11<br>4006xxxx | Error | Mailbox command parameter error<br>xxxx = mailbox1, yyyy = mailbox2, zz = command                                  |  |
| 11<br>8002xxxx | Error | Firmware AEN (8002): System error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3                             |  |
| 11<br>8003xxxx | Error | Firmware AEN (8003): Request queue transfer error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3             |  |
| 11<br>8004xxxx | Error | Firmware AEN (8004): Response queue transfer error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3            |  |
| 11<br>80100000 | Error | Firmware AEN (8010): LIP occurred<br>xxxx = mailbox1   |  |
| 11<br>80480000 | Error | Firmware AEN (8048): RND error<br>xxxx = mailbox1 provided by firmware<br>yyyy = mailbox2 provided by firmware     |  |
| 11<br>F0010000 | Error | Invalid handle from Firmware<br>xxxx = handle  |  |
| 11<br>F0020000 | Error | Invalid entry type in response queue<br>xx = response queue entry type   |  |
| 11<br>F0030002 | Error | Firmware IO completion status (02): A DMA error occurred<br>xx = CDB opcode, yy = target loop ID                   |  |
| 11<br>F0030003 | Error | Firmware IO completion status (03): Transport error<br>xx = CDB opcode, yy = target loop ID                        |  |
| 11<br>F0030004 | Error | Firmware IO completion status (04): The Lip reset<br>occurred<br>xx = CDB opcode, yy = target loop ID              |  |
| 11<br>F0030005 | Error | Firmware IO completion status (05): IO aborted by OS<br>xx = CDB opcode, yy = target loop ID                       |  |
| 11<br>F0030006 | Error | Firmware IO completion status (06): IO timeout<br>xx = CDB opcode, yy = target loop ID                             |  |
| 11<br>F003001C | Error | Firmware IO completion status (1c): Target responded<br>with queue full<br>xx = CDB opcode, yy = target loop ID    |  |
| 11<br>F0030028 | Error | Firmware IO completion status (28): Target port not<br>currently logged in<br>xx = CDB opcode, yy = target loop ID |  |
| 11<br>F0030029 | Error | Firmware IO completion status (29): Target port logged<br>out<br>xx = CDB opcode, yy = target loop ID              |  |

|                |       |  |  |
|----------------|-------|--|--|
| 11<br>F003002A | Error | Firmware IO completion status (2A): Port configuration changed<br>xx = CDB opcode, yy = target loop ID |  |
| 11<br>F0060000 | Error | Mailbox command timeout error<br>xx = mailbox command opcode   |  |
| 11<br>F0070000 | Error | Invalid response queue pointer from firmware<br>xxxx = response queue pointer                          |  |
| 11<br>F0080000 | Error | Invalid/unexpected async event code from firmware<br>xxxx = async event code                           |  |
| 11<br>F00B0000 | Error | Reset ISP chip failed  |  |
| 11<br>F00D0000 | Error | Failed to allocate non-cached memory   |  |
| 11<br>F00E0000 | Error | Failed to map ISP registers  |  |
| 11<br>F00F0000 | Error | Failed to load firmware  |  |
| 11<br>F0100000 | Error | Failed to start firmware<br>xxxx = mailbox0  |  |
| 11<br>F0110000 | Error | Failed to initialize firmware<br>xxxx = mailbox0   |  |
| 11<br>F0120000 | Error | Failed to get firmware state<br>xxxx = mailbox0  |  |
| 11<br>F0180000 | Error | Excessive link errors. Loop down<br>xx = Number of link errors per second                              |  |
| 11<br>F0190000 | Error | Verify firmware checksum failure   |  |
| 11<br>F01A0000 | Error | Invalid IP handle from RISC<br>xxxxx = IP handle   |  |
| 11<br>F01C0000 | Error | Bad type field in IOCB from firmware   |  |
| 11<br>F01D0000 | Error | Error down loading post firmware   |  |
| 11<br>F01Exxxx | Error | Error running post firmware<br>xxxx = mailbox0<br>yyyy = mailbox1<br>zzzz = mailbox2                   |  |
| 11<br>F01Fxyyy | Error | Dma 64 bit (PAE) configuration (for information only)<br>configuration (for information only)          |  |

|                |       |   |  |
|----------------|-------|---|--|
|                |       | xx = DMA 64 Bit Address flag set by Windows<br>yy = DMA 64 Bit Address flag set by driver<br>zzzzzzzz = driver adapter flags  |  |
| 11<br>F0200000 | Error | Error ISP not accessible<br>xxxx = ISP host command and control<br>yyyy = ISP interrupt status  |  |
| 11<br>F0220000 | Error | External risc ram parity error<br>Error xxxx = number of parity errors detected   |  |
| 11<br>F0230000 | Error | Sub vendor ID did not match (for information only)<br>match (for information only)<br>xxxx = actual sub-vendor ID, yyyy = expected sub-vendor ID  |  |
| 11<br>F0240000 | Error | Invalid interrupt status<br>xxxxxxx = interrupt status value  |  |
| 11<br>F0250000 | Error | Error assigning slot resources<br>xxxxxxx = status code returned from the OS  |  |
| 11<br>A0000001 | Error | Timeout occurred.<br><i>The QLDirect driver sent an IO request to the miniport driver, and did not receive a response from the miniport driver in the timeout period for that request. The miniport driver normally works with the HBA firmware to time outstanding IOs. This error indicates that the miniport mechanism did not work and the QLDirect mechanism had to time out the request. QLDirect will attempt to reset the miniport/HBA by issuing a bus reset (see event A0000008 below).</i> |  |
| 11<br>A0000002 | Error | SRB Extension allocation failed<br><i>The QLDirect driver was unable to allocate a secondary data structure required to process an IO request. The IO request will be terminated with an error status. The number of SRB Extensions available is controlled a registry setting that is set up when QLDirect is installed. Re-install QLDirect and select a higher value for the maximum number of concurrent outstanding commands.</i>  |  |
| 11<br>A0000004 | Error | Address translation failed<br>translation failed<br><i>The QLDirect driver was passed an IO request from an upper-level device driver that contained an illegal memory address for a data transfer. The request will be</i>   |  |

|                |       |   |  |
|----------------|-------|---|--|
|                |       | <i>passed on to the SCSI port driver to log and handle the error.</i>   |  |
| 11<br>A0000005 | Error | <i>Completion queue is full.<br/>The miniport driver is attempting to notify the QLDirect driver that an IO is complete, but the QLDirect driver cannot process the completion.</i>   |  |
| 11<br>A0000006 | Error | <i>Pool allocation failed.<br/>The QLDirect driver failed to allocate memory from non-paged pool</i>  |  |
| 11<br>A0000007 | Error | <i>Scatter/gather build failed.<br/>The QLDirect driver was passed an IO request from an upper-level device driver, but was unable to build a memory scatter/gather list to map the transfer. The IO request will be returned to the upper-level device driver with error status.</i> |  |
| 11<br>A0000008 | Error | <i>Resetting bus.<br/>The QLDirect driver has detected an error condition (such as I/O timeout), and is attempting to recover from the error by issuing a SCSI reset bus to that miniport driver or HBA.</i>  |  |

Anmerkung zu "Event ID / Detail Event Code":

Die Event ID ist für alle Log-Einträge immer 11.

Der Detail Event Code ist sichtbar, wenn das Data-Format in der Event Detail-Anzeige auf 'Words' gesetzt wird. Dieser Code steht ab Offset 34h.

Controller: **QLogic Fibre Channel Windows Miniport Adapter QLA2300**

EventLog: **system**

Source Name: "ql2300"

Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.

"QL2300\_11"

| <b>Event ID=11,<br/>Detail Event<br/>Code</b> | <b>Severity</b> | <b>Message</b>                        | <b>Description</b>   | <b>Resolutions / Action after Error</b>                      |
|---|-----------------|---------------------------------------|--|--|
| 11<br>00020000                                | Error           | Firmware IOCB completion status (02): | Please send the event data to QLogic support for analysis by | Please send the event data to QLogic support for analysis by |



|                |       |  |   |   |
|----------------|-------|--|---|---|
|                |       | A DMA error occurred<br>xx = CDB opcode<br>yy = target loop ID   | the firmware group  | the firmware group  |
| 11<br>00030000 | Error | Firmware IOCB<br>completion status (03):<br>Transport error<br>xx = CDB opcode<br>yy = target loop ID  | Please send the event data to<br>QLogic support for analysis by<br>the firmware group   | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11<br>4001xxxx | Error | Firmware mailbox<br>command completion<br>status: Invalid mailbox<br>command<br>xxxx = mailbox1, yyyy =<br>mailbox2, zzzz =<br>mailbox command | Please send the event data to<br>QLogic support for analysis by<br>the firmware group   | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11<br>4002xxxx | Error | Firmware mailbox<br>command completion<br>status: Host interface<br>error<br>xxxx = mailbox1, yyyy =<br>mailbox2, zzzz =<br>mailbox command    | Hardware DMA error, replace<br>adapter<br>Please send the event data to<br>QLogic support for analysis by<br>the firmware group | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11<br>4FFF0000 | Error | Driver detected mailbox<br>command timeout<br>xxxx = mailbox command   | Please send the event data to<br>QLogic support for analysis by<br>the firmware group<br><br>Used to be F0060000                | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11<br>8002xxxx | Error | Firmware AEN (8002):<br>System error<br>xxxx = mailbox1, yyyy =<br>mailbox2, zzzz =<br>mailbox3  | Please send the event data to<br>QLogic support for analysis by<br>the firmware group   | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11<br>8003xxxx | Error | Firmware AEN (8003):<br>Request queue transfer<br>error xxxx = mailbox1,<br>yyyy = mailbox2, zzzz =<br>mailbox3                                | Please send the event data to<br>QLogic support for analysis by<br>the firmware group   | Please send the event data to<br>QLogic support for analysis by<br>the firmware group |
| 11             | Error | Firmware AEN (8004):   | Please send the event data to   | Please send the event data to   |

|                |       |   |  |  |
|----------------|-------|---|--|--|
| 8004xxxx       |       | Response queue transfer error<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = mailbox3  | QLogic support for analysis by the firmware group.   | QLogic support for analysis by the firmware group.                               |
| 11<br>8FF9xxxx | Error | Bad type field in IOCB from firmware<br>xxxx = IOCB word 0, yyyy = scsi status, zzzz = completion status                    | Please send the event data to QLogic support for analysis by the firmware group.<br><br>Used to be F01C0000          | Please send the event data to QLogic support for analysis by the firmware group. |
| 11<br>8FFA0000 | Error | Invalid interrupt status<br>xxxxxxxx = interrupt status value   | Please send the event data to QLogic support for analysis by the firmware group.<br><br>Used to be F0240000          | Please send the event data to QLogic support for analysis by the firmware group. |
| 11<br>8FFBxxxx | Error | Invalid handle from Firmware<br>xxxx = handle, yyyy = scsi Status, zzzz = completion status                                 | Please send the event data to QLogic support for analysis by the firmware group.<br><br>Used to be F0010000          | Please send the event data to QLogic support for analysis by the firmware group. |
| 11<br>8FFCxxxx | Error | Invalid entry type in response queue<br>xxxx = response queue entry, yyyy = SCSI Status, zzzz = completion status           | Please send the event data to QLogic support for analysis by the firmware group.<br><br>Used to be F0020000          | Please send the event data to QLogic support for analysis by the firmware group. |
| 11<br>8FFDxxxx | Error | Invalid IP handle from firmware<br>xxxx = IP handle, yyyy = scsi Status, zzzz = completion status                           | Please send the event data to QLogic support for analysis by the firmware group.<br><br>Used to be F01A0000          | Please send the event data to QLogic support for analysis by the driver group    |
| 11<br>8FFExxxx | Error | Invalid response queue pointer from firmware<br>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.<br><br>Used to be F0070000 | Please send the event data to QLogic support for analysis by the driver group    |

|                |       |  |   |   |
|----------------|-------|--|---|---|
| 11<br>8FFFxxxx | Error | Invalid async event code from firmware<br>xxxx = mailbox1, yyyy = mailbox2, zzzz = async event code      | Please send the event data to QLogic support for analysis by the firmware group.<br>Used to be F0080000 | Please send the event data to QLogic support for analysis by the driver group |
| 11<br>E0010000 | Error | Fail to allocate non-cached memory   | Please send the event data to QLogic support for analysis<br>Used to be F00D0000                        | Please send the event data to QLogic support for analysis by the driver group |
| 11<br>E0020000 | Error | Fail to map ISP registers  | Please send the event data to QLogic support for analysis.<br>Used to be F00E0000                       | Please send the event data to QLogic support for analysis by the driver group |
| 11<br>F00Bxxxx | Error | Reset ISP chip failed<br>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<br>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<br>F0100000 | Error | Fail to execute firmware<br>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<br>F0110000 | Error | Fail to initialize firmware<br>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<br>F0120000 | Error | Fail to get firmware state<br>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<br>F0190000 | Error | Verify firmware checksum failure<br>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<br>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<br>F01Exxxx | Error | Post error<br>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<br>F0200000 | Error | Error ISP not accessible<br>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<br>F0220000 | Error | Risc ram parity error<br>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<br>F0230000 | Error | NVRam checksum error<br>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<br>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":

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.

## 11. Emulex Fibre Channel Adapter

Controller: **Emulex Fibre Channel adapters LP1000DC, LP1000, LP9802DC, LP9802, LP982, LP101, LP8000, LP8000DC, LP850, LP9000, LP9002, LP9002DC, LP9402DC, LP952, LP7000E**

EventLog: **system**

Source Name (abhängig vom installierten Controller-Treiber):

- 1 FC Port Driver (W2K/W2K3): "elxsl12"
- 2 StorPort Miniport (W2K3): "elxstor"
- 3 SCSI Port (W2K): "lpxnds"

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

"ELXSTOR\_nn", nn = Event ID

"ELXLPX\_nn", nn = Event ID

| Event ID | Severity | Description  | Resolutions / Action after Error  |
|----------|----------|--|-----------------------------------|
|          |          |  | Call your local Fujitsu Helpdesk. |
| 02       | Warning  | Warning message of driver status                   |                                   |
| 03       | Error    | Error message of driver status                     |                                   |
| 04       | Error    | Could not map register space in I/O space          |                                   |
| 05       | Error    | Could not map register space in memory             |                                   |
| 06       | Error    | Could not map onboard SLIM space in memory         |                                   |
| 07       | Error    | Could not connect interrupt because of %x          |                                   |
| 08       | Warning  | Mailbox command failed                             |                                   |
| 09       | Error    | Could not create device object because of %x       |                                   |
| 10       | Error    | Assembling IOCB_CONTINUE and got a new command     |                                   |
| 11       | Error    | Link is unstable and/or unusable                   |                                   |
| 12       | Error    | MBATT is set, but Mailbox is owned by adapter      |                                   |
| 13       | Error    | Could not allocate IRP for SCSI Inquiry command    |                                   |
| 14       | Warning  | Device is an unsupported SCSI device type          |                                   |
| 15       | Error    | Could not allocate IRP for SCSI Pass Through IOCTL |                                   |
| 16       | Error    | Unsupported SRB Function code: %x                  |                                   |
| 17       | Warning  | SRB completed with an error, SrbStatus: %x         |                                   |
| 18       | Error    | Error Attention Interrupt: %x, resetting board     |                                   |
| 19       | Warning  | Received an FC-AL PORT BYPASS primitive            |                                   |
| 20       | Error    | Interrupt occurred for invalid mailbox command: %x |                                   |
| 21       | Error    | Mailbox Error Occurred: %x                         |                                   |
| 22       | Error    | Unknown Image Header Type in Rel Download          |                                   |
| 23       | Error    | Reading Load List header failed                    |                                   |
| 24       | Error    | Getting Load Entry failed                          |                                   |
| 25       | Error    | Unknown Image Type: %x                             |                                   |
| 27       | Error    | Unknown Adapter Found: %x (**)                     |                                   |
| 28       | Error    | Slot Resources Assignment Failed: %x               |                                   |
| 29       | Error    | Port registers not in I/O Space                    |                                   |
| 30       | Error    | Port registers must be in 32 bit address space     |                                   |
| 31       | Error    | Memory registers must be in memory space           |                                   |
| 32       | Error    | Could not map memory registers                     |                                   |
| 33       | Error    | SLIM must be in memory space                       |                                   |

|    |         |  |  |
|----|---------|--|--|
| 34 | Error   | Could not map onboard SLIM                         |  |
| 37 | Warning | PLOGI Timeout with node DID: %x                    |  |
| 38 | Error   | Firmware Trap                                      |  |
| 39 | Error   | Link never up at boot                              |  |
| 43 | Error   | Fail allocating IRP for SCSI Request Sense command |  |
| 44 | Error   | User SNS logon completed with no request pending   |  |

Controller: Emulex Fibre Channel adapters LP1000DC, LP10000, LP9802DC, LP9802, LP982, LP101, LP8000, LP8000DC, LP850, LP9000, LP9002, LP9002DC, LP9402DC, LP952, LP7000E, LPe11002, LPe1150 und BX600-FC42E

EventLog: system

Source Name (abhängig vom eingesetzten Controller-Treiber):

4 StorPort Miniport (W2K3): "elxstor"

Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.

"ELXSTOR\_0"

| Event ID = 0,<br>Value at Offset<br>10 | Severity | Description                             | Resolutions / Action after Error  |
|--|----------|---|-----------------------------------|
|  |          |   | Call your local Fujitsu Helpdesk. |
| 0x00                                   | Error    | Unable to allocate common area          |                                   |
| 0x01                                   | Error    | Unable to allocate common area          |                                   |
| 0x02                                   | Error    | Unable to allocate common area          |                                   |
| 0x03                                   | Error    | Unable to issue initialization command  |                                   |
| 0x04                                   | Error    | Initialization command failed           |                                   |
| 0x05                                   | Error    | Unknown adapter type                    |                                   |
| 0x06                                   | Error    | Unrecognized adapter type               |                                   |
| 0x07                                   | Error    | Write of non-volatile parameters failed |                                   |
| 0x08                                   | Error    | Invalid link speed selection            |                                   |
| 0x09                                   | Error    | Configuration command failed            |                                   |
| 0x0A                                   | Error    | Configuration command failed            |                                   |
| 0x0B                                   | Error    | Configuration command failed            |                                   |
| 0x0C                                   | Error    | Unable to allocate port common buffer   |                                   |
| 0x0D                                   | Error    | Configuration command failed            |                                   |
| 0x0E                                   | Error    | Configuration command failed            |                                   |

|      |       |   |  |
|------|-------|---|--|
| 0x0F | Error | Configuration command failed                                    |  |
| 0x10 | Error | Configuration command failed                                    |  |
| 0x11 | Error | Initialization command failed                                   |  |
| 0x12 | Error | Same as 0x03 but for re-initialization                          |  |
| 0x13 | Error | Same as 0x04 but for re-initialization                          |  |
| 0x14 | Error | Same as 0x05 but for re-initialization                          |  |
| 0x15 | Error | Same as 0x06 but for re-initialization                          |  |
| 0x16 | Error | Same as 0x08 but for re-initialization                          |  |
| 0x17 | Error | Same as 0x0A but for re-initialization                          |  |
| 0x18 | Error | Same as 0x0B but for re-initialization                          |  |
| 0x19 | Error | Same as 0x0D but for re-initialization                          |  |
| 0x1A | Error | Same as 0x0E but for re-initialization                          |  |
| 0x1B | Error | Same as 0x0F but for re-initialization                          |  |
| 0x1C | Error | Same as 0x10 but for re-initialization                          |  |
| 0x1E | Error | Same as 0x11 but for re-initialization                          |  |
| 0x1F | Error | Internal resource allocation failure: context pool              |  |
| 0x20 | Error | Internal resource allocation failure: mailbox pool              |  |
| 0x21 | Error | Port has been taken off-line                                    |  |
| 0x22 | Error | Adapter has been neutralized                                    |  |
| 0x23 | Error | Port has been put on-line                                       |  |
| 0x24 | Error | Firmware trap: fatal adapter error                              |  |
| 0x25 | Error | Non-specific fatal adapter error (bits 8-31 will indicate type) |  |
| 0x26 | Error | Invalid state: attention  |  |
| 0x27 | Error | Invalid request context   |  |
| 0x28 | Error | Invalid request context   |  |
| 0x29 | Error | Recoverable adapter error: device has been auto-restarted       |  |
| 0x2A | Error | Mailbox command timeout: adapter was reset                      |  |
| 0x2B | Error | Configure MSI failure   |  |
| 0x2C | Error | Configure MSI failure   |  |
| 0x2D | Error | Illegal response tag value                                      |  |
| 0x2E | Error | Illegal response tag value                                      |  |
| 0x2F | Error | Discarded response tag  |  |
| 0x30 | Error | Resource allocation failure                                     |  |
| 0x31 | Error | Unrecognized command  |  |
| 0x32 | Error | Insufficient context for attention handling                     |  |
| 0x33 | Error | Invalid link state  |  |
| 0x34 | Error | Resource allocation failure for configuration command           |  |

|      |       |  |  |
|------|-------|--|--|
| 0x35 | Error | Resource allocation failure                                  |  |
| 0x36 | Error | Initialization command failed (status in bits 8-31)          |  |
| 0x37 | Error | Resource allocation failure                                  |  |
| 0x38 | Error | Resource allocation failure                                  |  |
| 0x39 | Error | Unable to allocate context                                   |  |
| 0x3A | Error | Discovery command failed (status in bits 8-31)               |  |
| 0x3B | Error | Discovery error due to lack of resources (insufficient RPIs) |  |
| 0x3C | Error | Unable to allocate context                                   |  |
| 0x3D | Error | Unable to allocate context                                   |  |
| 0x3E | Error | Unable to allocate discovery element                         |  |
| 0x3F | Error | Failed to issue PRLI command                                 |  |
| 0x40 | Error | Unable to allocate context                                   |  |
| 0x41 | Error | Unable to allocate context                                   |  |
| 0x42 | Error | Unable to allocate context                                   |  |
| 0x43 | Error | Invalid FLOGI parameter                                      |  |
| 0x44 | Error | Unable to allocate context                                   |  |
| 0x45 | Error | Retries exhausted on point to point FLOGI                    |  |
| 0x47 | Error | Unable to allocate context                                   |  |
| 0x48 | Error | No exchange available for ELS command                        |  |
| 0x49 | Error | ELS command error (status in bits 8-31)                      |  |
| 0x4A | Error | ELS command failure  |  |
| 0x4B | Error | Invalid PLOGI parameter                                      |  |
| 0x4C | Error | Exhausted retries on PLOGI                                   |  |
| 0x4D | Error | Unable to allocate context                                   |  |
| 0x4E | Error | Unable to allocate context                                   |  |
| 0x4F | Error | Exhausted retries on PDISC                                   |  |
| 0x50 | Error | Unable to allocate context                                   |  |
| 0x51 | Error | Request to ADISC a non-existent node                         |  |
| 0x52 | Error | Unable to allocate context                                   |  |
| 0x53 | Error | WWPN mismatch on ADISC response                              |  |
| 0x54 | Error | WWNN mismatch on ADISC response                              |  |
| 0x55 | Error | Exhausted retries on ADISC                                   |  |
| 0x56 | Error | Unable to allocate context                                   |  |
| 0x57 | Error | Unable to allocate context                                   |  |
| 0x58 | Error | Unable to allocate context                                   |  |
| 0x59 | Error | Exhausted retries on LOGO                                    |  |
| 0x5B | Error | Invalid PRLI parameter                                       |  |



|      |       |   |  |
|------|-------|---|--|
| 0x5C | Error | Unable to allocate context                                      |  |
| 0x5C | Error | Exhausted retries on PRLI                                       |  |
| 0x5E | Error | Unable to allocate context                                      |  |
| 0x5F | Error | Exhausted retries on PRLO                                       |  |
| 0x60 | Error | Unable to allocate context                                      |  |
| 0x61 | Error | Exhausted retries on FAR  |  |
| 0x63 | Error | Attempt to issue command to fabric without a valid fabric login |  |
| 0x64 | Error | Unable to allocate context                                      |  |
| 0x65 | Error | Error issuing fabric command (status in bits 8-31)              |  |
| 0x66 | Error | Invalid fabric command type                                     |  |
| 0x67 | Error | Unable to allocate context                                      |  |
| 0x6A | Error | Invalid fabric command sub-type                                 |  |
| 0x6C | Error | Name server response error (status in bits 8-31)                |  |
| 0x6D | Error | Name server response error (status in bits 8-31)                |  |
| 0x6E | Error | Unable to allocate context                                      |  |
| 0x6F | Error | State change registration failure                               |  |
| 0x70 | Error | Unable to allocate context                                      |  |
| 0x71 | Error | Received unsupported ELS command (type in bits 8-31)            |  |
| 0x72 | Error | Unable to allocate context                                      |  |
| 0x74 | Error | Unable to allocate context                                      |  |
| 0x76 | Error | Invalid format for received PRLI                                |  |
| 0x77 | Error | Unable to allocate context                                      |  |
| 0x78 | Error | Unable to allocate context                                      |  |
| 0x79 | Error | Unable to allocate context                                      |  |
| 0x7C | Error | FARP reply failure (status in bits 8-31)                        |  |
| 0x80 | Error | Unable to allocate context                                      |  |
| 0x81 | Error | Unable to allocate context                                      |  |
| 0x82 | Error | Invalid discovery state (state value in bits 8-31)              |  |
| 0x83 | Error | Object allocation failure                                       |  |
| 0x84 | Error | Invalid name descriptor   |  |
| 0x85 | Error | Unable to allocate context                                      |  |
| 0x86 | Error | Object pool empty   |  |
| 0x87 | Error | Null descriptor with names available                            |  |
| 0x88 | Error | Unable to allocate context                                      |  |
| 0x89 | Error | Unable to allocate context                                      |  |
| 0x8A | Error | Unable to allocate context                                      |  |
| 0xA0 | Error | Object construction failure                                     |  |

|      |       |  |  |
|------|-------|--|--|
| 0xA1 | Error | Discovery timeout                                    |  |
| 0xA2 | Error | Unable to allocate context                           |  |
| 0xA3 | Error | Local error indication (status in bits 8-31)         |  |
| 0xA4 | Error | Unsupported command type (command type in bits 8-31) |  |
| 0xA5 | Error | Data under-run (residual in bits 8-31)               |  |
| 0xA6 | Error | Data over-run  |  |
| 0xA7 | Error | Non-specific FCP error (info in bits 8-31)           |  |
| 0xA8 | Error | Read check error (parameter in bits 8-31)            |  |
| 0xA9 | Error | Local error (error type in bits 8-31)                |  |
| 0xAA | Error | Node timeout (DID in bits 8-31)                      |  |
| 0xAB | Error | Pass-through command error (status in bits 8-31)     |  |
| 0xC0 | Error | Failed to allocate un-cached extension               |  |
| 0xC1 | Error | Start I/O error (if enabled with EmulexOption)       |  |
| 0xC2 | Error | Utility mailbox command timeout                      |  |

## 12. Broadcom LAN Controller

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

EventLog: **System**

Source Name: **"BT"**

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

**"BROADCOM\_BT\_nnnn", nnnn = Event ID**

| 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.<br>2.) Check whether LAN management application needs to be upgraded, too.<br>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** (nur onboard LAN)

EventLog: **System**

Source Name: "B57W2K"

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

"BROADCOM\_B57W2K\_nn", nn = Event ID

| Event ID | Severity | Message   | Resolutions / Action after Error  |
|----------|----------|---|---|
| 01       | Error    | Failed to allocate memory for the device block.                                       | Check system memory resource usage.   |
| 02       | Error    | Failed to allocate map registers.   | 1.) Verify if latest LAN driver is installed and update if necessary.<br>2.) Check whether LAN management application needs to be upgraded, too.<br>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.<br>2.) Check whether latest driver is installed and update if necessary.<br>3.) If problem still persists call your local Fujitsu Helpdesk. |

### 13. Intel LAN Controller (Intel LAN SoftwareKit)

Controller: PRO1000XT, PRO1000XF, PRO1000MT Desktop, PRO1000MT Dual, PRO1000MT, PRO1000P und Intel onboard LAN

EventLog: system

Source Name: "E1000"

Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.

"INTEL\_E1000\_nnnn", nnnn = Event ID

| Event ID | Severity | Message  | Resolutions / Action after Error                      |
|----------|----------|--|---|
| 004      | Error    | Could not find a PRO/1000 adapter                            | If problem persists call your local Fujitsu Helpdesk. |
| 005      | Error    | Driver could not determine which PRO/1000 adapter to load on | If problem persists call your local Fujitsu Helpdesk. |
| 006      | Error    | Could not allocate the MAP REGISTERS necessary for operation | If problem persists call your local Fujitsu Helpdesk. |
| 007      | Error    | Could not assign an interrupt for the PRO/1000               | If problem persists call your local Fujitsu Helpdesk. |

|     |         |   |  |
|-----|---------|---|--|
| 008 | Error   | Could not allocate memory necessary for operation                         | If problem persists call your local Fujitsu Helpdesk.  |
| 009 | Error   | Could not allocate shared memory necessary for operation                  | If problem persists call your local Fujitsu Helpdesk.  |
| 010 | Error   | Could not allocate memory for receive structures                          | If problem persists call your local Fujitsu Helpdesk.  |
| 011 | Error   | Could not allocate memory for receive descriptors                         | If problem persists call your local Fujitsu Helpdesk.  |
| 012 | Error   | Could not allocate memory for receive buffers                             | If problem persists call your local Fujitsu Helpdesk.  |
| 013 | Warning | Could not establish link  | 1.) Check and if necessary replace cable.<br>2.) Verify that LAN port has not been disabled within system BIOS.                                |
| 014 | Error   | The PCI BIOS has NOT properly configured the PRO/1000 adapter             | If problem persists call your local Fujitsu Helpdesk.  |
| 015 | Error   | The PCI BIOS has NOT properly configured the PRO/1000 adapter             | If problem persists call your local Fujitsu Helpdesk.  |
| 016 | Error   | The PCI BIOS has NOT properly configured the PRO/1000 adapter.            | If problem persists call your local Fujitsu Helpdesk.  |
| 017 | Error   | The PCI BIOS has NOT properly configured the PRO/1000 adapter.            | If problem persists call your local Fujitsu Helpdesk.  |
| 018 | Error   | The PRO/1000 adapter was not configured for bus mastering by the PCI BIOS | If problem persists call your local Fujitsu Helpdesk.  |
| 019 | Error   | Could not allocate the NDIS receive packets necessary for operation       | If problem persists call your local Fujitsu Helpdesk.  |
| 020 | Error   | Could not allocate the NDIS receive buffers necessary for operation       | If problem persists call your local Fujitsu Helpdesk.  |
| 021 | Error   | The OS was unable to assign PCI resources to the PRO/1000 adapter         | 1.) Check OS eventlog for further errors.<br>2.) Try to find out whether other components occupy the needed resources e.g. via device manager. |
| 022 | Error   | The driver was unable to claim PCI resources of this PRO/1000 adapter     | 1.) Check eventlog for further errors.<br>2.) Try to find out whether other components occupy the needed resources e.g. via                    |

|      |         |   |  |
|------|---------|---|--|
|      |         |   | device manager.  |
| 023  | Error   | The EEPROM on your PRO/1000 adapter may have errors   | Call your local Fujitsu Helpdesk.  |
| 024  | Error   | Could not start the PRO/1000 adapter  | If problem persists call your local Fujitsu Helpdesk.  |
| 025  | Warning | MDIX setting conflict with the AutoNeg Settings. MDIX will not work.  | If problem persists call your local Fujitsu Helpdesk.  |
| 027  | Warning | Link has been disconnected.   | Check and if necessary replace cable.  |
| 029  | Error   | Could not start the gigabit network connection  | If problem persists call your local Fujitsu Helpdesk.  |
| 030  | Warning | Link 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.<br>Note: You probably did configure different duplex and / or speed settings. |
| 037  | Warning | Could not allocate all resources necessary for the high priority transmit queue.  | If problem persists call your local Fujitsu Helpdesk.  |
| 038  | Warning | The driver failed to initialize properly. You may not be able to change the adapter settings.                                 | To resolve, reload the driver.   |
| 039  | 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.<br>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.  |
| 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.<br>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.   |
| 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: **PRO100S Dual, PRO100S Server, PRO100 Server und Intel onboard LAN**

EventLog: **system**

Source: **"E100B"**

**Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.**

"INTEL\_E100B\_nnn", nnn = Event ID

| 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) |

## 14. PowerNet / PowerChute UPS

EventLog: system

Source Name: "UPS"

Aktivierung der Events: siehe Kap. "Events der Controller Treiber", S. 6.

"POWERNET\_UPS\_nnnn", nnnn = Event ID

| Event ID | Severity | Message                     | Resolutions / Action after Error  |
|----------|----------|-----------------------------|---|
| 2000     | Warning  | UPS On Battery              | 1.) Check power cabling.<br>2.) Check mains voltage.<br>3.) If problem persists contact your local APC support.   |
| 2002     | Warning  | AVR Boost Active            | Note: UPS is compensating for a low voltage condition. No action necessary.   |
| 2003     | Warning  | Low Battery Condition       | 1.) Check power cabling<br>2.) Check mains voltage<br>3.) Perform a manual runtime calibration.<br>4.) If problem persists contact your local APC support |
| 2004     | Warning  | Runtime Calibration Aborted | 1.) Start manual runtime calibration.<br>2.) If problem persists contact  |



|      |         |                                       |  |
|------|---------|---------------------------------------|--|
|      |         |                                       | your local APC support.  |
| 2007 | Warning | AVR Trim Active                       | Note: UPS is compensating for a high voltage level. No action necessary.                                     |
| 2030 | Warning | Smart Cell Signal Returned            | If problem occurs permanently contact your local APC support.  |
| 2037 | Warning | Bypass Contactor Failed               | Contact your local APC support.  |
| 2040 | Warning | Bypass Relay Malfunction              | Contact your local APC support.  |
| 2041 | Warning | Bypass Contactor Stuck in Bypass      | Contact your local APC support.  |
| 2042 | Warning | Bypass Contactor Stuck in On Position | Contact your local APC support.  |
| 2043 | Warning | Bypass Maintenance                    | Note: The UPS is in bypass because the maintenance bypass switch is in the Onposition.                       |
| 2044 | Warning | Bypass Internal Fault                 | Contact your local APC support.  |
|      |         |                                       |  |
| 3000 | Error   | Lost Communication With UPS           | 1.) Check the data cables between UPS and server.<br>2.) If problem persists contact your local APC support. |
| 3001 | Error   | UPS Output Overload                   | 1.) Decrease the load.   |
| 3002 | Error   | UPS Self-Test Failed                  | 1.) Look for additional error messages.<br>2.) If problem persists contact your local APC support.           |
| 3003 | Error   | UPS Battery Is Discharged             | Contact your local APC support.  |
| 3004 | Error   | Comm Lost While On Battery            | Check the affected parts of the network. (E. g. one of the switches is not secured by a USV).                |
| 3005 | Error   | Communication Not Established         | 1.) Check the data cables between UPS and server.<br>2.) If problem persists contact your local APC support. |
| 3006 | Error   | Battery Communication Lost            | 1.) Check the data cables between UPS and server.<br>2.) If problem persists contact your local APC support. |
| 3010 | Error   | Check Smart Cell Signal               | 1.) Check the smart cell signal cable connections.<br>2.) If problem persists contact                        |

|      |       |                                       |  |
|------|-------|---------------------------------------|--|
|      |       |                                       | your local APC support.  |
| 3014 | Error | Base Module Fan Fault                 | Contact your local APC support.  |
| 3015 | Error | Base Power Supply Failure             | Contact your local APC support.  |
| 3016 | Error | Battery Needs Replacing               | Contact your local APC support.  |
| 3017 | Error | System Level Fan Fault                | Contact your local APC support.  |
| 3018 | Error | Main Relay Malfunction                | Contact your local APC support.  |
| 3020 | Error | Site Wiring Fault                     | Let check the building wiring by a qualified electrician.                              |
| 3021 | Error | Battery Charger Failure               | Contact your local APC support.  |
| 3022 | Error | Inverter Fault                        | Contact your local APC support.  |
| 3030 | Error | Insufficient Runtime Available        | 1.) Check the UPS settings.<br>2.) If problem persists contact your local APC support. |
| 3031 | Error | Output Load threshold Exceeded        | Decrease the load.   |
| 3103 | Error | Contact Fault (Zone 1)                | Contact your local APC support.  |
| 3104 | Error | Contact Fault (Zone 2)                | Contact your local APC support.  |
| 3105 | Error | Contact Fault (Zone 3)                | Contact your local APC support.  |
| 3106 | Error | Contact Fault (Zone 4)                | Contact your local APC support.  |
| 3107 | Error | Maximum Internal Temperature Exceeded | Contact your local APC support.  |
| 3110 | Error | Humidity Out of Range (Probe 1)       | Check the environmental conditions.  |
| 3111 | Error | Humidity Out of Range (Probe 2)       | Check the environmental conditions.  |
| 3120 | Error | Temperature Out Of Range (Probe 1)    | Check the environmental conditions.  |
| 3121 | Error | Temperature Out Of Range (Probe 2)    | Check the environmental conditions.  |