■ NetApp

Monitoring events

StorageGRID 11.5

NetApp January 04, 2024

This PDF was generated from https://docs.netapp.com/us-en/storagegrid-115/monitor/reviewing-previous-events.html on January 04, 2024. Always check docs.netapp.com for the latest.

Table of Contents

Monitoring events	1
Reviewing events from the Nodes page	1
Reviewing events from the Grid Topology page	1
Reviewing previous events	1
Resetting event counts	2
Creating custom syslog events	4
Resetting the count of custom events to zero	5

Monitoring events

You can monitor events that are detected by a grid node, including custom events that you have created to track events that are logged to the syslog server. The Last Event message shown in the Grid Manager provides more information about the most recent event.

Event messages are also listed in the /var/local/log/bycast-err.log log file.

The SMTT (Total events) alarm can be repeatedly triggered by issues such as network problems, power outages or upgrades. This section has information on investigating events so that you can better understand why these alarms have occurred. If an event occurred because of a known issue, it is safe to reset the event counters.

Reviewing events from the Nodes page

The Nodes page lists the system events for each grid node.

- 1. Select Nodes.
- 2. Select *grid node* > Events.
- 3. At the top of the page, determine if an event is shown for **Last Event**, which describes the last event detected by the grid node.

The event is relayed verbatim from the grid node and includes any log messages with a severity level of ERROR or CRITICAL.

- 4. Review the table to see if the Count for any event or error is not zero.
- 5. After resolving issues, click **Reset event counts** to return the counts to zero.

Reviewing events from the Grid Topology page

The Grid Topology page also lists the system events for each grid node.

- 1. Select Support > Tools > Grid Topology.
- 2. Select site > grid node > SSM > Events > Overview > Main.

Related information

Resetting event counts

Log files reference

Reviewing previous events

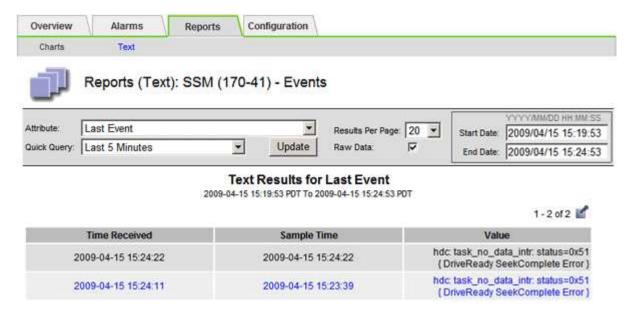
You can generate a list of previous event messages to help isolate issues that occurred in the past.

- 1. Select Support > Tools > Grid Topology.
- 2. Select site > grid node > SSM > Events > Reports.

Select Text.

The **Last Event** attribute is not shown in the Charts view.

- 4. Change Attribute to Last Event.
- 5. Optionally, select a time period for **Quick Query**.
- 6. Click Update.



Related information

Using charts and reports

Resetting event counts

After resolving system events, you can reset event counts to zero.

What you'll need

- You must be signed in to the Grid Manager using a supported browser.
- You must have the Grid Topology Page Configuration permission.

Steps

- 1. Select Nodes > Grid Node > Events.
- 2. Make sure that any event with a count greater than 0 has been resolved.
- Click Reset event counts.

Events 0



Last Event No Events

Description	Count	
Abnormal Software Events	0	J.
Account Service Events	0	T.
Cassandra Heap Out Of Memory Errors	0	T.
Cassandra unhandled exceptions	0	T.
Chunk Service Events	0	1r
Custom Events	0	T.
Data-Mover Service Events	0	r
File System Errors	0	T.
Forced Termination Events	0	T.
Hotfix Installation Failure Events	0	T.
I/O Errors	0	T
IDE Errors	0	r
Identity Service Events	0	T.
Kernel Errors	0	T.
Kernel Memory Allocation Failure	0	T.
Keystone Service Events	0	T.
Network Receive Errors	0	T.
Network Transmit Errors	0	T.
Node Errors	0	J.
Out Of Memory Errors	0	r
Replicated State Machine Service Events	0	T
SCSI Errors	0	r
Stat Service Events	0	r
Storage Hardware Events	0	r
System Time Events	0	T

Reset event counts 🗹

Creating custom syslog events

Custom events allow you to track all kernel, daemon, error and critical level user events logged to the syslog server. A custom event can be useful for monitoring the occurrence of system log messages (and thus network security events and hardware faults).

About this task

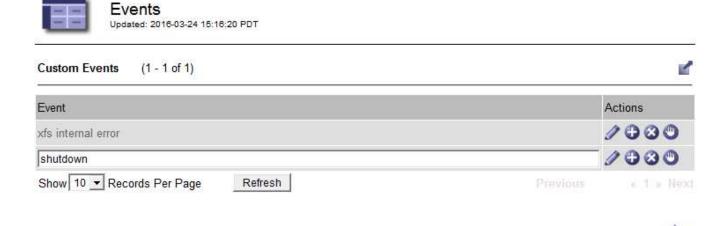
Consider creating custom events to monitor recurring problems. The following considerations apply to custom events

- After a custom event is created, every occurrence of it is monitored. You can view a cumulative Count value for all custom events on the **Nodes** > **grid node** > **Events** page.
- To create a custom event based on keywords in the /var/log/messages or /var/log/syslog files, the logs in those files must be:
 - Generated by the kernel
 - Generated by daemon or user program at the error or critical level

Note: Not all entries in the /var/log/messages or /var/log/syslog files will be matched unless they satisfy the requirements stated above.

Steps

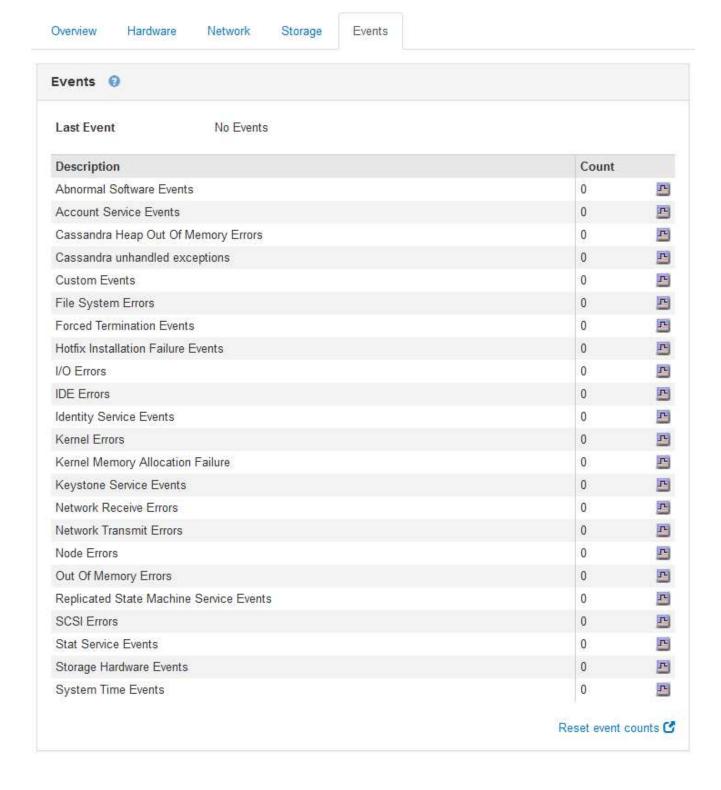
- 1. Select Configuration > Monitoring > Events.
- Click Edit // (or Insert) if this is not the first event).
- 3. Enter a custom event string, for example, shutdown



Apply Changes

- 4. Click Apply Changes.
- 5. Select **Nodes**. Then, select *grid node* > **Events**.
- 6. Locate the entry for Custom Events in the Events table, and monitor the value for Count.

If the count increases, a custom event you are monitoring is being triggered on that grid node.



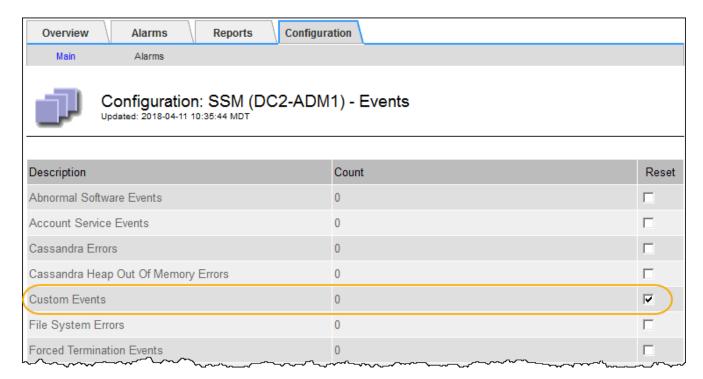
Resetting the count of custom events to zero

If you want to reset the counter only for custom events, you must use the Grid Topology page in the Support menu.

About this task

Resetting a counter causes the alarm to be triggered by the next event. In contrast, when you acknowledge an alarm, that alarm is only re-triggered if the next threshold level is reached.

- 1. Select **Support > Tools > Grid Topology**.
- 2. Select grid node > SSM > Events > Configuration > Main.
- 3. Select the **Reset** check box for Custom Events.



4. Click Apply Changes.

Copyright information

Copyright © 2023 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at http://www.netapp.com/TM are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.