



## **View information about system events**

Element Software

NetApp  
June 10, 2024

# Table of Contents

- View information about system events ..... 1
- Find more information ..... 1
- Event types ..... 1

# View information about system events

You can view information about various events detected in the system. The system refreshes the event messages every 30 seconds. The event log displays key events for the cluster.

1. In the Element UI, select **Reporting > Event Log**.

For every event, you see the following information:

Item	Description
ID	Unique ID associated with each event.
Event Type	The type of event being logged, for example, API events or clone events.
Message	Message associated with the event.
Details	Information that helps identify why the event occurred.
Service ID	The service that reported the event (if applicable).
Node	The node that reported the event (if applicable).
Drive ID	The drive that reported the event (if applicable).
Event Time	The time the event occurred.

## Find more information

[Event types](#)

### Event types

The system reports multiple types of events; each event is an operation that the system has completed. Events can be routine, normal events or events that require administrator attention. The Event Types column on the Event Log page indicates in which part of the system the event occurred.



The system does not log read-only API commands in the event log.

The following list describes the types of events that appear in the event log:

- **apiEvent**

Events initiated by a user through an API or web UI that modify settings.

- **binAssignmentsEvent**

Events related to the assignment of data bins. Bins are essentially containers that hold data and are mapped across the cluster.

- **binSyncEvent**

System events related to a reassignment of data among block services.

- **bsCheckEvent**

System events related to block service checks.

- **bsKillEvent**

System events related to block service terminations.

- **bulkOpEvent**

Events related to operations performed on an entire volume, such as a backup, restore, snapshot, or clone.

- **cloneEvent**

Events related to volume cloning.

- **clusterMasterEvent**

Events appearing upon cluster initialization or upon configuration changes to the cluster, such as adding or removing nodes.

- **csumEvent**

Events related to invalid data checksums on the disk.

- **dataEvent**

Events related to reading and writing data.

- **dbEvent**

Events related to the global database maintained by ensemble nodes in the cluster.

- **driveEvent**

Events related to drive operations.

- **encryptionAtRestEvent**

Events related to the process of encryption on a cluster.

- **ensembleEvent**

Events related to increasing or decreasing the number of nodes in an ensemble.

- **fibreChannelEvent**

Events related to the configuration of and connections to the nodes.

- **gcEvent**

Events related to processes run every 60 minutes to reclaim storage on block drives. This process is also known as garbage collection.

- **ieEvent**

Internal system error.

- **installEvent**

Automatic software installation events. Software is being automatically installed on a pending node.

- **iSCSIEvent**

Events related to iSCSI issues in the system.

- **limitEvent**

Events related to the number of volumes or virtual volumes in an account or in the cluster nearing the maximum allowed.

- **maintenanceModeEvent**

Events related to the node maintenance mode, such as disabling the node.

- **networkEvent**

Events related to the status of virtual networking.

- **platformHardwareEvent**

Events related to issues detected on hardware devices.

- **remoteClusterEvent**

Events related to remote cluster pairing.

- **schedulerEvent**

Events related to scheduled snapshots.

- **serviceEvent**

Events related to system service status.

- **sliceEvent**

Events related to the Slice Server, such as removing a metadata drive or volume.

There are three types of slice reassignment events, which include information about the service where a volume is assigned:

- flipping: changing the primary service to a new primary service

```
sliceID oldPrimaryServiceID->newPrimaryServiceID
```

- moving: changing the secondary service to a new secondary service

```
sliceID {oldSecondaryServiceID(s)}->{newSecondaryServiceID(s)}
```

- pruning: removing a volume from a set of services

```
sliceID {oldSecondaryServiceID(s)}
```

- **snmpTrapEvent**

Events related to SNMP traps.

- **statEvent**

Events related to system statistics.

- **tsEvent**

Events related to the system transport service.

- **unexpectedException**

Events related to unexpected system exceptions.

- **ureEvent**

Events related to Unrecoverable Read Errors that occur while reading from the storage device.

- **vasaProviderEvent**

Events related to a VASA (vSphere APIs for Storage Awareness) Provider.

## Copyright information

Copyright © 2024 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.