



master events

ONTAP EMS reference

NetApp
November 22, 2024

Table of Contents

- master events 1
- master.cast events 1
- master.couldnt events 1
- master.demote events 2
- master.new events 3
- master.releasing events 4
- master.taking events 4
- master.try events 4

master events

master.cast events

master.cast.cm.vote.against

Severity

NOTICE

Description

This message occurs when the master service of the associated node cannot connect to current cluster master. It tries to cast a vote against current cluster master in the global database. The current cluster master is demoted if more than half of the cluster nodes vote against it, and a new cluster master is promoted.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) has voted against current cluster master with sequence number %u and service ID %u based on "%s". The current MVIP address connection state is "%s" with duration %s. The best connection state is "%s".

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

sequenceNumber (INT): Sequence number of the cluster master.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

reason (STRING): Reason for casting the vote against current cluster master.

currentState (STRING): Current MVIP address connection state.

currentStateDuration (STRING): Duration of current MVIP address connection state.

highestState (STRING): Best MVIP address connection state reached since the node connected to current cluster master.

master.couldnt events

master.couldnt.cast.cm.vote

Severity

NOTICE

Description

This message occurs when the master service on the associated node is unable to cast a vote to update the connection status with current cluster master in global database since it has lost connection to the database server.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) failed to cast a vote "%s" to cluster master with sequence number %u and service ID %u due to exception code: %s. The connection state is "%s" with duration %s. The best connection state is "%s".

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

voteToCast (STRING): Vote which the master service failed to cast. It can be "true" or "false".

sequenceNumber (INT): Sequence number of current cluster master.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

exceptionCode (STRING): Exception code.

currentState (STRING): Current MVIP address connection state.

currentStateDuration (STRING): Duration of current MVIP address connection state.

highestState (STRING): Best MVIP address connection state reached since the node connected to current cluster master.

master.couldnt.demote.cm

Severity

NOTICE

Description

This message occurs when the associated node tries to update the global database to demote current cluster master but the operation fails due to an exception. This could happen if another cluster node already made the same database change, or the connection to global database has been lost.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) failed to update database to demote cluster master with service ID %u with exception code: %s.

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

exceptionCode (STRING): Exception code.

master.demote events

master.demote.cm.committed

Severity

NOTICE

Description

This message occurs when the associated node successfully updates the global database to demote current cluster master. As a result, a new cluster is promoted.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) successfully updated database to demote cluster master with sequence number %u and service ID %u.

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

sequenceNumber (INT): Sequence number of the cluster master last known by this node.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

master.new events

master.new.connection.state

Severity

NOTICE

Description

This message occurs when the connection state from the associated node to current cluster master has changed.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) has a new MVIP address connection state "%s" to cluster master with service ID %u. The best connection state is "%s".

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

currentState (STRING): Current management virtual IP (MVIP) address connection state.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

highestState (STRING): Best MVIP address connection state reached since the node connected to current cluster master.

master.releasing events

master.releasing.cm

Severity

NOTICE

Description

This message occurs when the node is demoted from being the cluster master.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) releases control as the cluster master.

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

master.taking events

master.taking.over.cm

Severity

NOTICE

Description

This message occurs when the node is promoted to the cluster master and takes control as the master.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) takes over as the cluster master.

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

master.try events

master.try.demote.cm

Severity

NOTICE

Description

This message occurs when the associated node can not connect to current cluster master and tries to demote it by making associated global database change. The database change might fail if multiple cluster nodes try to do the same thing, and one of them has updated global database successfully.

Corrective Action

(None).

Syslog Message

Service ID %u on node ID %u (UUID: %s) tries to demote the cluster master with sequence number %u and service ID %u from the global database based on the votes (forVotes=%u, againstVotes=%u, staleVotes=%u).

Parameters

serviceID (INT): Service ID that identifies the associated master service.

nodeID (INT): Node ID number of the associated node.

nodeUuid (STRING): Node UUID of the associated node.

sequenceNumber (INT): Sequence number of the cluster master last known by this node.

lastKnownClusterMasterServiceID (INT): Service ID number of the cluster master last known by this node.

forVotes (INT): Number of votes to keep current cluster master in the poll.

againstVotes (INT): Number of votes to demote current cluster master in the poll.

staleVotes (INT): Number of stale votes to update current cluster master in the poll.

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.