



token events

ONTAP EMS reference

NetApp
November 22, 2024

Table of Contents

- token events 1
- token.copy events 1
- token.inactive events 1
- token.max events 1
- token.node events 2
- token.pit events 3
- token.vol events 3

token events

token.copy events

token.copy.complete.info

Severity

NOTICE

Description

This message occurs when a 'copy complete' request fails to free the reference on a remote node.

Corrective Action

(None).

Syslog Message

A 'copy complete' request on node %s and volume DSID %d failed - %s.

Parameters

blade_id (STRING): Blade ID of the node to which the 'copy complete' request was sent.

dsid (LONGINT): DSID of the source volume where the token was created.

reason (STRING): Reason for the failure.

token.inactive events

token.inactive.ref.deleted

Severity

NOTICE

Description

This message occurs when a reference is deleted on a token that has existed for longer than the timeout window. The reference is deleted to clear stale entries in the cache.

Corrective Action

(None).

Syslog Message

Reference %s of token %d in volume %s was deleted.

Parameters

blade_id (STRING): Blade ID of the token reference that was deleted.

index (INT): Index of the token whose reference was deleted.

volume_name (STRING): Name of the volume whose token's reference was deleted.

token.max events

token.max.count.in.volume

Severity

INFORMATIONAL

Description

This message occurs when the maximum number of tokens that can be created in a volume is determined.

Corrective Action

(None).

Syslog Message

Volume %s can contain up to %d tokens.

Parameters

volume_name (STRING): Name of the volume in which tokens can be created.

max (INT): Maximum number of tokens in the volume.

token.node events

token.node.max.count.reached

Severity

NOTICE

Description

This message occurs when the maximum number of tokens per node is reached. Tokens cannot be created in the node unless some existing tokens expire.

Corrective Action

(None).

Syslog Message

Tokens cannot be created on this node because the maximum number of tokens per node has been reached.

Parameters

(None).

token.node.out.of.quorum

Severity

NOTICE

Description

This message occurs when a node goes out of quorum. Any references on a token by that node will be dropped.

Corrective Action

(None).

Syslog Message

All token references from node (ID - %s) are dropped because the node went out of quorum.

Parameters

blade_id (STRING): Blade ID of the node that went out of quorum.

token.pit events

token.pit.file.create.info

Severity

NOTICE

Description

This message occurs when the token manager cannot create a PIT file in a volume. This can happen for the following reasons: insufficient space in the volume, unable to create the directory, or unable to set attributes.

Corrective Action

(None).

Syslog Message

PIT file creation in volume %s failed - %s.

Parameters

volume_name (STRING): Name of the volume in which PIT file creation failed.

reason (STRING): Reason for the failure.

token.pit.file.deleted

Severity

NOTICE

Description

This message occurs when the PIT file of a volume is deleted. A new PIT file will be created automatically during the first 'token create' request for this volume.

Corrective Action

(None).

Syslog Message

PIT file in volume %s was deleted.

Parameters

volume_name (STRING): Name of the volume in which the PIT file was deleted.

token.vol events

token.vol.cache.cleared

Severity

NOTICE

Description

This message occurs when a 'volume offline' operation results in clearing the token cache for that volume.

Corrective Action

(None).

Syslog Message

Token cache for volume %s was cleared because the volume went offline.

Parameters

volume_name (STRING): Name of the volume whose token cache was cleared.

token.vol.is.compressed

Severity

NOTICE

Description

This message occurs when a 'token create' request fails because the container is a compressed volume.

Corrective Action

(None).

Syslog Message

A 'token create' request in volume %s failed because the volume is compressed.

Parameters

volume_name (STRING): Name of the volume for which the 'token create' request failed.

token.vol.is.sparse

Severity

NOTICE

Description

This message occurs when a 'token create' request fails because the container is a sparse volume.

Corrective Action

(None).

Syslog Message

A 'token create' request in volume %s failed because the volume is sparse.

Parameters

volume_name (STRING): Name of the volume for which the 'token create' request failed.

token.vol.max.count.reached

Severity

NOTICE

Description

This message occurs when the maximum number of tokens per volume is reached. Tokens cannot be created in the volume unless some existing tokens expire.

Corrective Action

(None).

Syslog Message

Tokens cannot be created in volume %s because the maximum number of tokens per volume has been reached.

Parameters

volume_name (STRING): Name of the volume in which the maximum number of tokens has been reached.

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.