



lsm events

ONTAP 9.13.1 EMS reference

NetApp
February 12, 2024

Table of Contents

- lsm events 1
 - lsm.merge events 1
 - lsm.pal events 2
 - lsm.rangedelete events 2

Ism events

Ism.merge events

Ism.merge.alog.problem

Severity

NOTICE

Description

This message occurs when a block store encounters an error while merging an append log. Normally these merges should recover, but it is important to keep track of exactly when and where the problem happened to help with performance tuning and recovery options.

Corrective Action

(None).

Syslog Message

Block store LSM "%u" (level %u) of keyspace "%u" on volume "%s" has encountered the following error while merging an append log: "%u : %s"

Parameters

Ism_id (INT): LSM identifier.
Ism_level (INT): LSM level.
keyspace_id (INT): Keyspace identifier.
volume_name (STRING): Volume name.
error_code (INT): Error code.
error_string (STRING): Error string.

Ism.merge.slog.problem

Severity

NOTICE

Description

This message occurs when a block store encounters an error while merging a sorted log. Normally these merges should recover, but it is important to keep track of exactly when and where the problem happened to help with performance tuning and recovery options.

Corrective Action

(None).

Syslog Message

Block store LSM "%u" (level %u) of keyspace "%u" on volume "%s" has encountered the following error while merging a sorted log: "%u : %s"

Parameters

Ism_id (INT): LSM identifier.
Ism_level (INT): LSM level.
keyspace_id (INT): Keyspace identifier.

volume_name (STRING): Volume name.
error_code (INT): Error code.
error_string (STRING): Error string.

Ism.pal events

Ism.pal.problem

Severity

NOTICE

Description

This message occurs when a block store PAL operation encounters an error. Normally these PAL operations should recover, but it is important to keep track of exactly when and where the problem happened to help with performance tuning and recovery options.

Corrective Action

(None).

Syslog Message

Block store PAL has encountered the following error while processing operation "%s": "%u"

Parameters

pal_op (STRING): PAL operation being done.
error_code (INT): WAFL error code.

Ism.rangedelete events

Ism.rangeDelete.problem

Severity

NOTICE

Description

This message occurs when a block store encounters an error while performing a range delete operation. Normally these deletes should recover, but it is important to keep track of exactly when and where the problem happened to help with performance tuning and recovery options.

Corrective Action

(None).

Syslog Message

Block store LSM "%u" (level %u) of keyspace "%u" on volume "%s" has encountered the following error while performing a range delete operation: "%u : %s"

Parameters

Ism_id (INT): LSM identifier.
Ism_level (INT): LSM level.
keyspace_id (INT): Keyspace identifier.
volume_name (STRING): Volume name.
error_code (INT): Error code.

error_string (STRING): Error string.

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.