



kmip2 events

ONTAP EMS reference

NetApp
November 20, 2025

Table of Contents

- kmip2 events 1
 - kmip2.cannot events 1
 - kmip2.cannot.import.NSE.key 1
 - kmip2.cannot.import.NVE.key 1
 - kmip2.cannot.read.client.cert 1
 - kmip2.cannot.read.private.key 2
 - kmip2.invalid events 2
 - kmip2.invalid.key.length 2
 - kmip2.ssl events 3
 - kmip2.ssl.cannot.connect 3

kmip2 events

kmip2.cannot events

kmip2.cannot.import.NSE.key

Severity

ALERT

Description

This message occurs when the KMIP2 client cannot import an NSE key from a KMIP key server. A key was retrieved from a KMIP key server, but an error occurred when trying to add the key to an ONTAP® data structure.

Corrective Action

Run the "security key-manager restore" command to restore keys from external key servers.

Syslog Message

KMIP2 client failed to import NSE key from KMIP key server, error: %d

Parameters

err (INT): Error code from system call to sysctlbyname().

kmip2.cannot.import.NVE.key

Severity

ALERT

Description

This message occurs when the KMIP2 client cannot import an NVE key from a KMIP key server. A key was retrieved from a KMIP key server, but an error occurred when trying to add the key to an ONTAP® data structure.

Corrective Action

Run the "security key-manager restore" command to restore keys from external key servers.

Syslog Message

KMIP2 client failed to import NVE key from KMIP key server, error: %d

Parameters

err (INT): Error code from system call to sysctlbyname().

kmip2.cannot.read.client.cert

Severity

ALERT

Description

This message occurs when the client certificate cannot be read. On a Cloud ONTAP® system, this message indicates one of the following: 1) A request to create an encrypted aggregate will not succeed

because the key cannot be sent to the external KMIP server, or 2) The request to retrieve a key from the external KMIP server will fail. In this case, the encrypted aggregate will not be able to be mounted. On a NSE system, this message indicates one of the following: 1) A request to re-key a NSE drive will not succeed because the key cannot be sent to the external KMIP server, or 2) The ability to read/write data to/from a NSE drive might be impacted if power to the drive or to the disk shelf is lost.

Corrective Action

Examine the KMIP client certificate and ensure that the certificate has been created properly.

Syslog Message

KMIP Failed to read client certificate with error: %s

Parameters

err (STRING): KMIP error code.

kmip2.cannot.read.private.key

Severity

ALERT

Description

This message occurs when the client private key certificate can't be read. On a Cloud ONTAP® system, this message indicates one of the following: 1) A request to create an encrypted aggregate will not succeed because the key cannot be sent to the external KMIP server, or 2) The request to retrieve a key from the external KMIP server will fail. In this case, the encrypted aggregate will not be able to be mounted. On a NSE system, this message indicates one of the following: 1) A request to re-key a NSE drive will not succeed because the key cannot be sent to the external KMIP server, or 2) The ability to read/write data to/from a NSE drive might be impacted if power to the drive or to the disk shelf is lost.

Corrective Action

Examine the KMIP client private certificate and ensure that the certificate has been created properly.

Syslog Message

KMIP Failed to read client private certificate with error: %s

Parameters

err (STRING): KMIP error code.

kmip2.invalid events

kmip2.invalid.key.length

Severity

ALERT

Description

This message occurs when ONTAP cannot push a key to a KMIP key server because the key has an invalid length.

Corrective Action

(None).

Syslog Message

ONTAP failed to push an %s key to a KMIP key server due to invalid key length. Vserver Name: %s, Key ID: %s.

Parameters

keyType (STRING): Key type (NSE, AES, XTS) that has invalid length.

vserverName (STRING): Vserver name.

keyID (STRING): Key ID of key being pushed to key server.

kmip2.ssl events

kmip2.ssl.cannot.connect

Severity

ALERT

Description

This message occurs when a KMIP SSL/TLS connection error is detected in either a Cloud ONTAP system with encrypted aggregates or a NSE system. On a Cloud ONTAP® system, this message indicates one of the following: 1) A request to create an encrypted aggregate will not succeed because the key cannot be sent to the external KMIP server, or 2) The request to retrieve a key from the external KMIP server will fail. In this case, the encrypted aggregate will not be able to be mounted. On a NSE system, this message indicates one of the following: 1) A request to re-key a NSE drive will not succeed because the key cannot be sent to the external KMIP server, or 2) The ability to read/write data to/from a NSE drive might be impacted if power to the drive or to the disk shelf is lost.

Corrective Action

Examine the KMIP certificates and ensure that the certificates have been created properly.

Syslog Message

Unable to make SSL/TLS connection to KMIP server. Error: %s

Parameters

err (STRING): KMIP error code with details.

Copyright information

Copyright © 2025 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.