



## **kmip2 events**

### ONTAP EMS reference

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# 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.

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