kmip2 events

ONTAP EMS reference

NetApp
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kmip2 events

kmip2.cannot events

kmip2.cannot.import.MROOTAK

Severity

ALERT

Description

This message occurs when the KMIP2 client cannot import the MROOT-AK key from a Key Management Interoperability Protocol (KMIP) key server. A key was retrieved from a KMIP key server, but an error occurred when trying to add the key to ONTAP®. The node fails the boot up process when this happens.

Corrective Action

Reboot the node. If the issue persists, contact NetApp technical support for assistance.

Syslog Message

KMIP2 client fails to import MROOT-AK from KMIP key server. Error: %d.

Parameters

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

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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