Status code 96 - Barcode & Media ID

2019년 10월 16일 수요일 오후 5:27

Barcode와 Media ID의 불일치 때문에 생기는 문제.
Media를 제거하고 업데이트를 하지 않은 상태에서 새로운 Media를 삽입 할 경우
NetBackup에서 바뀐 것을 인지하지 못하고 바코드만 읽어들여서 Media ID 와 달라서 Fail

조치 방법으로는 vmchange 명령어를 사용. NetBackup이 기존의 상태를 인식하도록 변경시키고, 그 이후 Inventory robot을 수행

vmchange -barcode [] -m []

vmchange
vmchange – change media information in EMM database
SYNOPSIS
vmchange [-h EMM_server | volume_database_host] -vg_res -rt robot_type
-rn robot_number -rh robot_control_host -v volume_group
vmchange [-h EMM_server | volume_database_host] -res -m media_id -mt
media_type -rt robot_type -rn robot_number -rh robot_control_host -v
volume_group -rc1 rob_slot
vmchange [-h EMM_server | volume_database_host] -exp date -m media_id
vmchange [-h EMM_server | volume_database_host] -barcode barcode -m
media_id [-rt robot_type]
vmchange [-h EMM_server | volume_database_host] -m media_id -vltcid
vault_container_id
vmchange [-h EMM_server | volume_database_host] -barcode barcode
-vltcid vault_container_id
vmchange [-h EMM_server | volume_database_host] -d "media_description"
-m media_id
vmchange [-h EMM_server | volume_database_host] -p pool_number -m
media_id
vmchange [-h EMM_server | volume_database_host] -maxmounts max_mounts
-m media_id
vmchange [-h EMM_server | volume_database_host] -clean cleanings left
-m media_id
vmchange [-h EMM_server | volume_database_host] -n num_mounts -m
media_id
vmchange [-h EMM_server | volume_database_host] -new_mt media_type
-m media_id

vmchange [-h EMM_server | volume_database_host] -new_rt robot_type
-m media_id -rn robot_number
vmchange [-h EMM_server | volume_database_host] -new_v volume_group
[-m media_id |{-b barcode -mt media_type -rt robot_type}]
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vmchange [-h EMM_server | volume_database_host] -vltname vault_name
-m media_id
vmchange [-h EMM_server | volume_database_host] -vltsent date -m
media_id
vmchange [-h EMM_server | volume_database_host] -vltreturn date -m
media_id
vmchange [-h EMM_server | volume_database_host] -vltslot vault_slot
-m media_id
vmchange [-h EMM_server | volume_database_host] -vltsession
vault_session_id -m media_id
vmchange -api_eject -map map_id:mapid:...:mapid | any -w [-h
EMM_server | volume_database_host] -res -ml media_id:media_id:
...:media_id -rt robot_type -rn robot_number -rh robot_control_host
[-v volume_group]
vmchange -multi_eject -w [-h EMM_server | volume_database_host] -res
-ml media_id:media_id: ....:media_id -rt robot_type -verbose -rn
robot_number -rh robot_control_host
vmchange -multi_inject -w [-h EMM_server | volume_database_host] -res
-rt robot_type -verbose -rn robot_number -rh robot_control_host
vmchange [-h EMM_server | volume_database_host] -res -robot_info
-verbose -rn robot_number -rt robot_type -rh robot_control_host
On UNIX systems, the directory path to this command is
/usr/openv/volmgr/bin/
On Windows systems, the directory path to this command is
install_path₩Volmgr₩bin₩
DESCRIPTION
Change volume information in the Enterprise Media Manager database.
Any authorized user can run this command.
FormoreinformationaboutNetBackupauthorization,refertotheNetBackupSecurity
and Encryption Guide.
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OPTIONS
-h EMM_server | volume_database_host

This option is only applicable for NetBackup Enterprise Server.
The name of the Enterprise Media Manager database host that contains information about volumes. If no host is specified, the configured EMM server is used by default.
-vg_res
Change volume group residence.
-rt robot_type
Specifies the robot type of the robot where the volume is located.
Valid robot types for NetBackup Enterprise Server follow:
none, acs, tl4, tl8, tld, tlh, tlm
Valid robot types for NetBackup Server follow:
none, tl4, tl8, tld
-rn robot_number
Unique, logical identification number for the robot where the volume is located.
-rh robot_control_host
Name of the host that controls the robot, where the volume is located.
-v volume_group
A volume group is a logical grouping that identifies a set of volumes that reside at the same physical location.
-res
Changes the volume's residence.
-m media_id
Specifies the media ID of the volume to change.
-mt media_type
Specifies the media type of the volume to change.
Valid media types for NetBackup Enterprise Server follow:
4mm, 8mm, 8mm2, 8mm3, dlt, dlt2, dlt3, dtf, hcart, hcart2, hcart3, qcart, 4mm_clean, 8mm_clean, 8mm2_clean, 8mm3_clean, dlt_clean, dlt2_clean, dlt3_clean, dtf_clean, hcart_clean, hcart2_clean, hcart3_clean
Valid media types for NetBackup Server follow:
4mm, 8mm, dlt, hcart, qcart, 4mm_clean, 8mm_clean, dlt_clean, hcart_clean
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-rc1 rob_slot
Robot coordinate 1 is the robot slot number where the volume is located.
The following applies only to NetBackup Enterprise Server:
Do not enter slot information for API robot types. The robot software tracks the slot locations for these robots.
-exp date
Expiration date for this volume.

The required date and time values format in NetBackup commands varies according to your locale. The /usr/openv/msg/.conf file (UNIX) and the install_path₩VERITAS₩msg₩LC.CONF file(Windows)containinformationsuch as the date-time formats for each supported locale. The files contain specific instructions on how to add or modify the list of supported locales and formats. See the "About specifying the locale of the NetBackup installation" topic in the NetBackup Administrator's Guide, Volume II for more information.

-barcode barcode

Specifies the barcode that is attached to the volume.

-d "media_description"

Media description for the volume. The double quote marks are required if the description contains any spaces.

-p pool_number

Index of the volume pool that contains this volume. You can get the pool index using vmpool -listall .

-maxmounts max_mounts

Maximum number of mounts that are allowed for this volume. Only used for non-cleaning media.

-n num_mounts

For non-cleaning media, num_mounts is the number of times this volume has been mounted.

-clean cleanings_left

For cleaning media, cleanings_left is the number of cleanings that remain for this cleaning tape.

-new_mt media_type

Specifies the media type of the volume to change. See the -mt option for a list of media types.

-new_rt robot_type

Specifies the robot type. See the -rt option for a list of robot types.

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-new_v volume_group

A volume group is a logical grouping that identifies a set of volumes that reside at the same physical location.

-b barcode

Specifies the barcode that is attached to the volume.

-vltcid vault_container_id

Changes the container in which a volume is stored. vault_container_id (a string of up to 29 alphanumeric characters) specifies the new container for the volume. Use the -m or -barcode option to specify the volume.

-vltname vault_name
Specifies the name of the logical vault that is configured for the robot that ejected the volume.
-vltsent date
Specifies the date the volume was sent off site.
The format of date depends on the user's locale setting. For the C locale, the date syntax is as follows:
mm/dd/yyyy [hh[:mm[:ss]]]
-vltreturn date
Specifies the date the volume was requested for return from the vault vendor. For catalog backup volumes, this date is the date that the volume is requested for return from the vault vendor.
The required date and time values format in NetBackup commands varies according to your locale. The /usr/openv/msg/.conf file (UNIX) and the install_path₩VERITAS₩msg₩LC.CONF file(Windows)containinformationsuch as the date-time formats for each supported locale. The files contain specific instructions on how to add or modify the list of supported locales and formats. See the "About specifying the locale of the NetBackup installation" topic in the NetBackup Administrator's Guide, Volume II for more information.
-vltslot vault_slot
Specifies the vault vendor's slot number for the slot that this volume occupies.
-vltsession vault_session_id
Specifies the ID of the vault session that ejected this media.
-api_eject
Eject ACS, TLH, or TLM volumes from the specified robot. For ACS and TLM robots, the ejection timeout period is one week. For TLH robots, the robot allows an unlimited period to remove media.
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-map map_id:mapid: ...:mapid | any
For ACS robots, this option can specify multiple media access ports (MAPs) to use for eject operations. The map_id (also known as the CAP ID) can be all or ALL , which specifies all MAPs in the robot. Or it can be a colon-separated list of MAP IDs in the format of ACS,LSM,CAP. When the -map option is used, media are ejected to the MAPs that are specified by using a nearest MAP algorithm. The algorithm assumes that the LSMs are connected in a line.
For TLM robots, use map_id "ANY" to eject to the MAP that is configured for each media type on the DAS/SDLC server.
For TLH robots, select the "standard" MAP or the "BULK" MAP, depending on the library's hardware configuration.

-w

Wait flag. This flag must be used with the eject, multiple eject, and multiple inject commands.

-verbose

Selects the verbose mode.

-ml media_id:media_id: ....:media_id

Specifies a list of media to be ejected from the robot.

-multi_eject

Uses the robotic library's media access port to eject multiple volumes. This option is valid only for TL8 and TLD robot types. The ejection timeout period is 30 minutes.

-multi_inject

Uses the robotic library's media access port to inject multiple volumes. This option is valid only for TL8 and TLD robot types. The user must run the vmupdate command after this operation to update the EMM database.

-robot_info

Retrieves the information about a robotic library. This option is valid only for TLD and TL8 robot types

■ Field 1 = Number of slots
■ Field 2 = Number of mail slots
■ Field 3 = Number of drives
■ Field 4 = Robot type and subtype (e.g., tld -> 0)
■ Field 5 = Barcode reader. If a barcode reader exists on this robotic device, this field contains the following string: This robot has a barcode reader.
■ Field 6 = Starting slot

■ Field 7 = Ending slot
■ Field 8 = Primary inquiry string (e.g., HP~~~~~~C6240-8000~~~~~~2912)

CAUTIONS

Some robotic libraries implement different functionality for their media access ports. For example, some libraries have the front-panel inject and the eject features that conflict with NetBackup's use of the media access port. (For example, Spectra Logic Bullfrog.) Other libraries require front-panel interaction when you use the media access port (for example, Spectra Logic Gator).

The media is returned to (injected into) the robot in the following situation: you use an eject option and the media is not removed and a timeout condition occurs. If this action occurs, inventory the robot and then eject the media that was returned to the robot.

Make sure that you read the operator manual for your robotic library to gain an understanding of its media access port functionality. Libraries such as those that are noted may not be fully compatible with NetBackup inject and eject features if

not properly handled. Other libraries may not be compatible at all. In addition, NetBackup performs limited validation of these option parameters.

EXAMPLES

Example 1 - Change the expiration date of volume AJS100:

```
# vmchange -exp 12/31/12 23:59:59 -m AJS100
```

Example 2 - Change the pool (which contains volume AJS999) to pool 1 (the NetBackup pool):

```
# vmchange -p 1 -m AJS999
```

Example 3 - Eject volumes abc123 and abc124 from ACS robot number 700. The residences for these two volumes are changed to standalone.

```
# vmchange -res -api_eject -w -ml abc123:abc124 -rt acs -rn 700 -rh
verbena -map 0,0,0
```

Example 4 - Change the container ID of volume ABC123:

```
# vmchange -vltcid Container001 -m ABC123
```

SEE ALSO

See vmadd on page 891.