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Procedure

Resolving Inventory Conflict between Legato Volumes/Barcode and Jukebox Status

Symptoms:

Sometimes there's a conflict between the Legato inventory and the Jukebox inventory. In such cases, you need to identify exactly which Legato volumes are situated in the Jukebox, according to their barcodes.

Solution:

1. To obtain the Jukebox SCSI address:
   ```
   # /etc/L*/inquire |grep Jukebox
   scsidev@4.0.0:QUALSTARTLS-4222i  2.18|Autochanger (Jukebox)  ;TLS-4xxx
   Firmware (2.18)
   ```
   where `scsidev@4.0.0` is the Qualstar Jukebox SCSI address

2. The following Legato command reads the information directly from the Jukebox PROM and not from the Legato inventory:
   ```
   # sjirdtag scsidev@4.0.0.
   ```

The following table lists the system messages according to system.

2-drive system	`Tag Data for scsidev@4.0.0, Element Type DATA TRANSPORT:`
	
	`Elem[001]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00009>`
	`Elem[002]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00008>`

22-slot system	`Tag Data for scsidev@4.0.0, Element Type STORAGE:`
	
	`Elem[001]: tag_val=0 pres_val=1 med_pres=0 med_side=0`
	`Elem[002]: tag_val=0 pres_val=1 med_pres=0 med_side=0`
	`Elem[003]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00013>`
	`Elem[004]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00006>`
	`Elem[005]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00005>`
	`Elem[006]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00010>`
	`Elem[007]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00003>`
	`Elem[008]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00002>`
	`Elem[009]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00004>`
	`Elem[010]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00007>`
	`Elem[011]: tag_val=1 pres_val=1 med_pres=1 med_side=0`
	`VolumeTag=<A00018>`
	`Elem[012]: tag_val=1 pres_val=1 med_pres=1 med_side=0`

	VolumeTag=<A00011> Elem[013]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00001> Elem[014]: tag_val=0 pres_val=1 med_pres=0 med_side=0 Elem[015]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00019> Elem[016]: tag_val=0 pres_val=1 med_pres=0 med_side=0 Elem[017]: tag_val=0 pres_val=1 med_pres=0 med_side=0 Elem[018]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00012> Elem[019]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00017> Elem[020]: tag_val=0 pres_val=1 med_pres=0 med_side=0 Elem[021]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00000> Elem[022]: tag_val=1 pres_val=1 med_pres=1 med_side=0 VolumeTag=<A00179>
Robotic	Tag Data for scsidev@4.0.0, Element Type MEDIA TRANSPORT: Elem[001]: tag_val=0 pres_val=1 med_pres=0 med_side=0
Mail slot	Tag Data for scsidev@4.0.0, Element Type IMPORT/EXPORT: Elem[001]: tag_val=1 pres_val=1 inp_enab=1 exp_enab=1 access=1 full=1 imp_exp=0 VolumeTag=<A00015

Note: You can move a volume from Mail slot into a regular slot and/or out of the Jukebox:
`# nsrjb -d -S 14` which means put Volume A00015 into slot 14
`# nsrjb -w -S 3` which means put Volume A00013 (slot 3) in the Mail (Import/Export) slot,
and `-d` is deposit and `-w` is withdraw
Then request the customer to press the **CALL** button in front of the Jukebox and remove the requested volume.

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