

Bei der Einrichtung einer Tape Jukebox müssen Sie die Storage Nodes offenbar nicht immer unbedingt im voraus definieren

Ich weiß - in meinem Tip [gener 774.pdf](#) habe ich noch in der letzten Ausgabe (05/2021) genau das Gegenteil behauptet. Das ist dort auch nicht verkehrt gewesen - die Screenshots beweisen es. Nur habe ich jetzt bei der Definition einer Tape-Library mit verteilten Laufwerken gelernt, daß die vorherige Einrichtung der Storage Nodes wohl doch nicht immer notwendig ist.

Aus gegebenem Anlaß hier das Beispiel für die Einrichtung mit dem Befehl `jbconfig` an einem ‚jungfräulich‘ eingerichteten NetWorker 19.4.0.1 Server mit 2 Storage Nodes.

Hier zunächst der NetWorker Befehl `inquire` (übrigens einer der fundamentalen SCSI Befehle) am NetWorker Server, an dem lediglich die Jukebox-Steuerung und eines der insgesamt 3 LTO4 Laufwerke angeschlossen ist:

```
Microsoft Windows [Version 10.0.17763.1911]
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E:\>inquire
scsidev@0.0.0:VMware Virtual disk 1.0 |Disk, \\.\PhysicalDrive0
      S/N: 6000c29f13b736834e6add28ced94197
      WWNN=6000C29F13B736834E6ADD28CED94197
scsidev@0.1.0:VMware Virtual disk 1.0 |Disk, \\.\PhysicalDrive1
      S/N: 6000c2922ef50ed597c0e5824baee1da
      WWNN=6000C2922EF50ED597C0E5824BAEE1DA
scsidev@0.2.0:VMware Virtual disk 1.0 |Disk, \\.\PhysicalDrive2
      S/N: 6000c295b6ede2a8a9bae5965af9c447
      WWNN=6000C295B6EDE2A8A9BAE5965AF9C447
scsidev@0.3.0:VMware Virtual disk 1.0 |Disk, \\.\PhysicalDrive3
      S/N: 6000c29af42f0d8849adda343272a035
      WWNN=6000C29AF42F0D8849ADDA343272A035
scsidev@3.0.0:HP      Ultrium 4-SCSI H68W|Tape, \\.\Tape0
      S/N: HU1137JCE1
      ATNN=HP      Ultrium 4-SCSI HU1137JCE1
      WWNN=5001438016008712
      WWPN=5001438016008713
      WW2N=5001438016008712
      PORT=00000001
      UNKN=00000000
      Can Encrypt & Decrypt
scsidev@3.0.1:HP      MSL G3 Series 1050|Autochanger (Jukebox),
      S/N: DEC1420807
      ATNN=HP      MSL G3 Series DEC1420807
      WWNN=5001438016008711
      PORT=00000001

4 Disk, 1 Tape, 1 Autochanger (Jukebox), Total: 6

E:\>
```

Es folgt die Einrichtung der Library ohne vorherige Definition der Storage Nodes:

E:>**jbconfig**

Jbconfig is running on host **19-nwserver-a.eval.local** (Windows Server 2019 Standard 10.0), and is using **19-nwserver-a.eval.local** as the **NetWorker server**.

- 1) Configure an Autodetected SCSI Jukebox.
- 2) Configure an Autodetected NDMP SCSI Jukebox.
- 3) Configure an SJI Jukebox.
- 4) Configure an STL Silo.
- 5) Exit.

which activity do you want to perform? [1] **1**

14484:jbconfig: Scanning SCSI buses; this may take a while ...

Installing 'Standard SCSI Jukebox' jukebox - scsidev@3.0.1.

What name do you want to assign to this jukebox device? **jbox**

15814:jbconfig: Attempting to detect serial numbers on the jukebox and drives ...

15815:jbconfig: Will try to use SCSI information returned by jukebox to configure drives.

Turn NetWorker auto-cleaning on (yes / no) [yes]? **no**

The following drive(s) can be auto-configured in this jukebox:

1> LTO Ultrium-4 @ 3.0.0 ==> \\.\Tape0

The 2 drive(s) that cannot be auto-configured will be addressed in a moment, but first:

Do you want to configure any of the detected drives as shared or NDMP drives or otherwise manually change their configuration? (yes / no) [no] **no**

Is (any path of) any drive intended for NDMP use? (yes / no) [no] **no**

Is any drive going to have more than one path defined? (yes / no) [no] **no**

Please enter the device path information in one of the following formats:

\\.\Tape0 --for local path or

host:device-path --for remote node or NDMP device(s) or

host:drive-letter:directory path --for Windows disk file

You will be prompted only for those drives that could not be auto-configured; the others will be skipped. Please provide the paths for these drives:

Drive 2, element 2local bus, target, lun value = 0.0.0,

Drive path ?

Drive path ? **19-snode19-1:\\.\Tape0**

Drive 3, element 3local bus, target, lun value = 0.0.0,

Drive path ? **19-snode19-2:\\.\Tape0**

Only model LTO Ultrium-4 drives have been detected.

Are all drives in this jukebox of the same model? (yes / no) [yes] **yes**

Jukebox has been added successfully

.....

.....

The following configuration options have been set:

- > Jukebox description to the control port and model.
- > Autochanger control port to the port at which we found it.
- > Autocleaning off.
- > Barcode reading to on.
- > Volume labels that match the barcodes.

You can review and change the characteristics of the autochanger and its associated devices using the NetWorker Management Console.

Would you like to configure another jukebox? (yes/no) [no] **no**

E:>

In diesem Fall wurden die Storage Nodes 19-snode-1 & 19-snode-2 durch die Definition der **Remote Devices** automatisch eingerichtet!