

Einstellen einer anderen Blockgröße unter UNIX

Dies kann notwendig werden, wenn Sie ab dem NetWorker 6.1 ein Laufwerk zwischen einem UNIX und einem Windows Storage Node dynamisch 'sharen' (Stichwort: *Dynamc Drive Sharing, DDS*). Wie Sie bereits aus der Datei *ntgen_19.pdf* wissen, kann es zu Problemen kommen, weil UNIX Laufwerke größere Datenblöcke schreiben als Windows.

Und so gehen Sie vor:

- Lassen Sie sich zunächst die Blockgrößen aller Laufwerke anzeigen. Dies erreichen Sie durch das Setzen der Umgebungsvariable `NSR_DEV_BLOCK_SIZE_MSG=yes`.

Wenn Sie dann den NetWorker neu starten, wird die aktuelle Definition für die Blockgrößen aller Laufwerke in die Datei `/nsr/logs/daemon.log` eingefügt. Hier das Beispiel für die NetWorker Version 6.1:

```
09/29/01 16:59:29 nsrd: server notice: started
09/29/01 16:59:31 nsrmmdbd: media db is cross checking the save sets
09/29/01 16:59:31 nsrmmdbd: media db is open for business
09/29/01 16:59:38 nsrindexd: Running nsrck to check client file indices
09/29/01 16:59:38 nsrck: checking index for 'nt800'
09/29/01 16:59:38 nsrck: /nsr/index/ultra contains 36 records occupying 9 KB
09/29/01 16:59:38 nsrck: Completed checking 1 client(s)
09/29/01 16:59:38 nsrd: media notice: name: 3480 block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 3570 block size = 256 KB
09/29/01 16:59:38 nsrd: media notice: name: 3590 block size = 384 KB
09/29/01 16:59:38 nsrd: media notice: name: 4890 block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 4mm block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 4mm 4GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 4mm 8GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 4mm 12GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 4mm 20GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm 5GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm 7GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm 20GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm AIT block size = 64 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm AIT-2 block size = 64 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm Mammoth-2 block size = 192 KB
09/29/01 16:59:38 nsrd: media notice: name: 8mm Mammoth-3 block size = 256 KB
09/29/01 16:59:38 nsrd: media notice: name: 9490 block size = 64 KB
09/29/01 16:59:38 nsrd: media notice: name: 9840 block size = 256 KB
09/29/01 16:59:38 nsrd: media notice: name: 9940 block size = 256 KB
09/29/01 16:59:38 nsrd: media notice: name: dlt block size = 96 KB
09/29/01 16:59:38 nsrd: media notice: name: dlt1 block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: dlt7000 block size = 128 KB
09/29/01 16:59:38 nsrd: media notice: name: dlt8000 block size = 96 KB
09/29/01 16:59:38 nsrd: media notice: name: sdlt block size = 128 KB
09/29/01 16:59:38 nsrd: media notice: name: dlt 20GB block size = 32 KB
09/29/01 16:59:38 nsrd: media notice: name: dst block size = 576 KB
09/29/01 16:59:39 nsrd: media notice: name: dst (NT) block size = 992 KB
09/29/01 16:59:39 nsrd: media notice: name: dtf block size = 384 KB
09/29/01 16:59:39 nsrd: media notice: name: optical block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: magnetic block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: file block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: himt block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: LTO Ultrium block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: LTO Accelis block size = 128 KB
09/29/01 16:59:39 nsrd: media notice: name: qic block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: qic 13GB block size = 32 KB
```

```
09/29/01 16:59:39 nsrd: media notice: name: SD3 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: SLR block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: tk50 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tk70 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz85 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz86 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz87 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz88 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz89 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: tzs20 block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: tkz90 block size = 384 KB
09/29/01 16:59:39 nsrd: media notice: name: vhs block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: VXA block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: 3480 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 3570 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: 3590 block size = 384 KB
09/29/01 16:59:39 nsrd: media notice: name: 4890 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 4mm block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 4mm 4GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 4mm 8GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 4mm 12GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 4mm 20GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm 5GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm 7GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm 20GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm AIT block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm AIT-2 block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm Mammoth-2 block size = 192 KB
09/29/01 16:59:39 nsrd: media notice: name: 8mm Mammoth-3 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: 9490 block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: 9840 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: 9940 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: dlt block size = 96 KB
09/29/01 16:59:39 nsrd: media notice: name: dlt1 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: dlt7000 block size = 128 KB
09/29/01 16:59:39 nsrd: media notice: name: dlt8000 block size = 96 KB
09/29/01 16:59:39 nsrd: media notice: name: sdlt block size = 128 KB
09/29/01 16:59:39 nsrd: media notice: name: dlt 20GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: dst block size = 576 KB
09/29/01 16:59:39 nsrd: media notice: name: dst (NT) block size = 992 KB
09/29/01 16:59:39 nsrd: media notice: name: dtf block size = 384 KB
09/29/01 16:59:39 nsrd: media notice: name: optical block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: magnetic block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: file block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: himt block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: LTO Ultrium block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: LTO Accellis block size = 128 KB
09/29/01 16:59:39 nsrd: media notice: name: qic block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: qic 13GB block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: SD3 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: SLR block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: tk50 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tk70 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz85 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz86 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz87 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz88 block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: tz89 block size = 256 KB
09/29/01 16:59:39 nsrd: media notice: name: tzs20 block size = 64 KB
09/29/01 16:59:39 nsrd: media notice: name: tkz90 block size = 384 KB
09/29/01 16:59:39 nsrd: media notice: name: vhs block size = 32 KB
09/29/01 16:59:39 nsrd: media notice: name: VXA block size = 64 KB
09/29/01 16:59:51 nsrd: Evaluation Edition
09/29/01 16:59:51 nsrd: License Checking disabled
```

- Für eine andere Blockgröße müssen jetzt diese Variable setzen:

```
NSR_DEV_BLOCK_SIZE_media_type=xx
```

Beispiel:

```
NSR_DEV_BLOCK_SIZE_8MM_AIT-2=32
```

Nur Großbuchstaben!

- Starten Sie den NetWorker neu.
- Überprüfen Sie die Funktionalität der neuen Umgebungsvariable:
 - Labeln Sie ein Band in dem entsprechenden Laufwerk
 - Überprüfen Sie dann die tatsächliche Blockgröße - sie finden Sie in den Einstellungen für das Laufwerk unter *Details - Volume block size*

ACHTUNG: Die Kontrolle mit dem Befehl `mt` zeigt nicht die tatsächliche Blockgröße!

Hierzu noch die Anmerkung eines Kunden:

Es werden offenbar keine Bindestriche (-) verwandt sondern ausschließlich Unterstriche (_). Somit müsste der oben aufgeführte Parameter nicht heißen:

```
NSR_DEV_BLOCK_SIZE_8MM_AIT-2
```

sondern

```
NSR_DEV_BLOCK_SIZE_8MM_AIT_2
```

Ich kann es leider wegen des Fehlen passender Hardware nicht nachtesten. Im Zweifelsfall sollten Sie also die jeweils andere Variante auch ausprobieren.