

MTX User Guides

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July 5, 2004

For SDLT 320 Autoloader

- MTX operations

```
# mtx --help
Usage:
  mtx --version
  mtx [ -f <loader-dev> ] noattach <more commands>
  mtx [ -f <loader-dev> ] inquiry | inventory
  mtx [ -f <loader-dev> ] [nobarcode] status
  mtx [ -f <loader-dev> ] first [<drive#>]
  mtx [ -f <loader-dev> ] last [<drive#>]
  mtx [ -f <loader-dev> ] next [<drive#>]
  mtx [ -f <loader-dev> ] previous [<drive#>]
  mtx [ -f <loader-dev> ] [invert] load <storage-element-number> [<drive#>]
  mtx [ -f <loader-dev> ] [invert] unload [<storage-element-number>][<drive#>]
  mtx [ -f <loader-dev> ] [eepos eepos-number] transfer <storage-
element-number> <storage-element-number>
  mtx [ -f <device> ] eject

# mtx -f /dev/sg0 status
Storage Changer /dev/sg0:1 Drives, 10 Slots ( 0 Import/Export )
Data Transfer Element 0:Empty
Storage Element 1:Full
Storage Element 2:Full
Storage Element 3:Full
Storage Element 4:Full
Storage Element 5:Full
Storage Element 6:Full
Storage Element 7:Full
Storage Element 8:Full
Storage Element 9:Full
Storage Element 10:Full

# mtx -f /dev/sg0 load 1
Storage Changer /dev/sg0:1 Drives, 10 Slots ( 0 Import/Export )
Data Transfer Element 0:Full (Storage Element 1 Loaded)
Storage Element 1:Empty
Storage Element 2:Full
Storage Element 3:Full
Storage Element 4:Full
```

```
Storage Element 5:Full
Storage Element 6:Full
Storage Element 7:Full
Storage Element 8:Full
Storage Element 9:Full
Storage Element 10:Full
```

Many loaders require you to first eject the tape (using 'mt' or 'tapectl') before you issue an 'unload' command via 'mtx'.

```
# mt -f /dev/st0 eject

# mtx -f /dev/sg0 unload 1
Unloading Data Transfer Element into Storage Element 1...done

# mtx -f /dev/sg0 load 2

# mt -f /dev/st0 eject

# mtx -f /dev/sg0 next(previous, first, last)
Unloading Data Transfer Element into Storage Element 2...done

# mtx -f /dev/sg0 status
Storage Changer /dev/sg0:1 Drives, 10 Slots ( 0 Import/Export )
Data Transfer Element 0:Full (Storage Element 3 Loaded)
Storage Element 1:Full
Storage Element 2:Full
Storage Element 3:Empty
Storage Element 4:Full
Storage Element 5:Full
Storage Element 6:Full
Storage Element 7:Full
Storage Element 8:Full
Storage Element 9:Full
Storage Element 10:Full
```

- RPM : `mtx-1.2.18-4.i386.rpm` (Fedora Core Development for i386)

RPM resource `mtx`

<http://fr2.rpmfind.net/linux/rpm2html/search.php?query=mtx&system=&arch=>

- References

1. Backup with dump and restore on Linux mini-HOWTO, Fukushima Osamu, 2.0, 16 Aug. 2000

2. Internet

<http://mtx.badtux.net/>

<http://mtx.badtux.net/faq.html>

http://www.express.nec.co.jp/linux/tech/knowledge/system/mtx_error.html