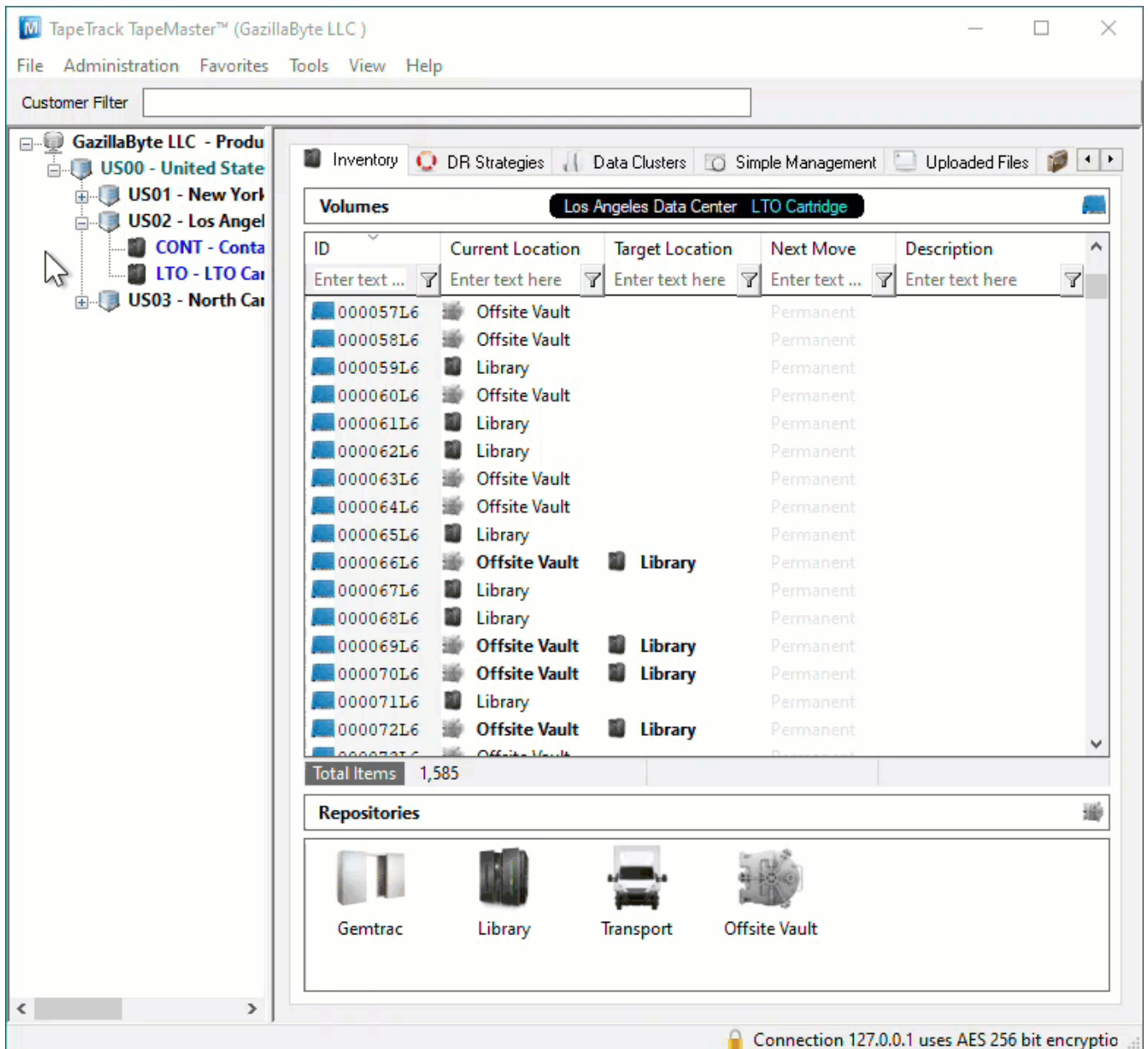


Barcode Interpretation Definition

A Barcode Interpretation Definition uses a string pattern to identify the barcodes format and handle the barcode accordingly.

The string pattern allows the dissection, translation or substitution of a barcode to identify [Customer-ID](#), [Media-ID](#) and [Volume-ID](#).

To view, add, remove or alter current Barcode Interpretation Definitions, open the [Barcode Administration](#) window in TapeMaster.



The screenshot shows the TapeTrack TapeMaster™ (GazillaByte LLC) interface. The main window displays a list of volumes under the heading "Los Angeles Data Center LTO Cartridge". The list has the following columns: ID, Current Location, Target Location, Next Move, and Description. The 'Current Location' column shows various locations like 'Offsite Vault' and 'Library'. The 'Next Move' column shows 'Permanent'. The 'Total Items' is 1,585. Below the list, there are icons for 'Gemtrac', 'Library', 'Transport', and 'Offsite Vault'.

| ID | Current Location | Target Location | Next Move | Description |
|----------|------------------|-----------------|-----------|-------------|
| 000057L6 | Offsite Vault | | Permanent | |
| 000058L6 | Offsite Vault | | Permanent | |
| 000059L6 | Library | | Permanent | |
| 000060L6 | Offsite Vault | | Permanent | |
| 000061L6 | Library | | Permanent | |
| 000062L6 | Library | | Permanent | |
| 000063L6 | Offsite Vault | | Permanent | |
| 000064L6 | Offsite Vault | | Permanent | |
| 000065L6 | Library | | Permanent | |
| 000066L6 | Offsite Vault | Library | Permanent | |
| 000067L6 | Library | | Permanent | |
| 000068L6 | Library | | Permanent | |
| 000069L6 | Offsite Vault | Library | Permanent | |
| 000070L6 | Offsite Vault | Library | Permanent | |
| 000071L6 | Library | | Permanent | |
| 000072L6 | Offsite Vault | Library | Permanent | |

Barcode Administration

When TapeTrack is installed the Barcode Administration window comes with generic barcode definitions pre-installed. These barcode definitions will handle the majority of standard barcode

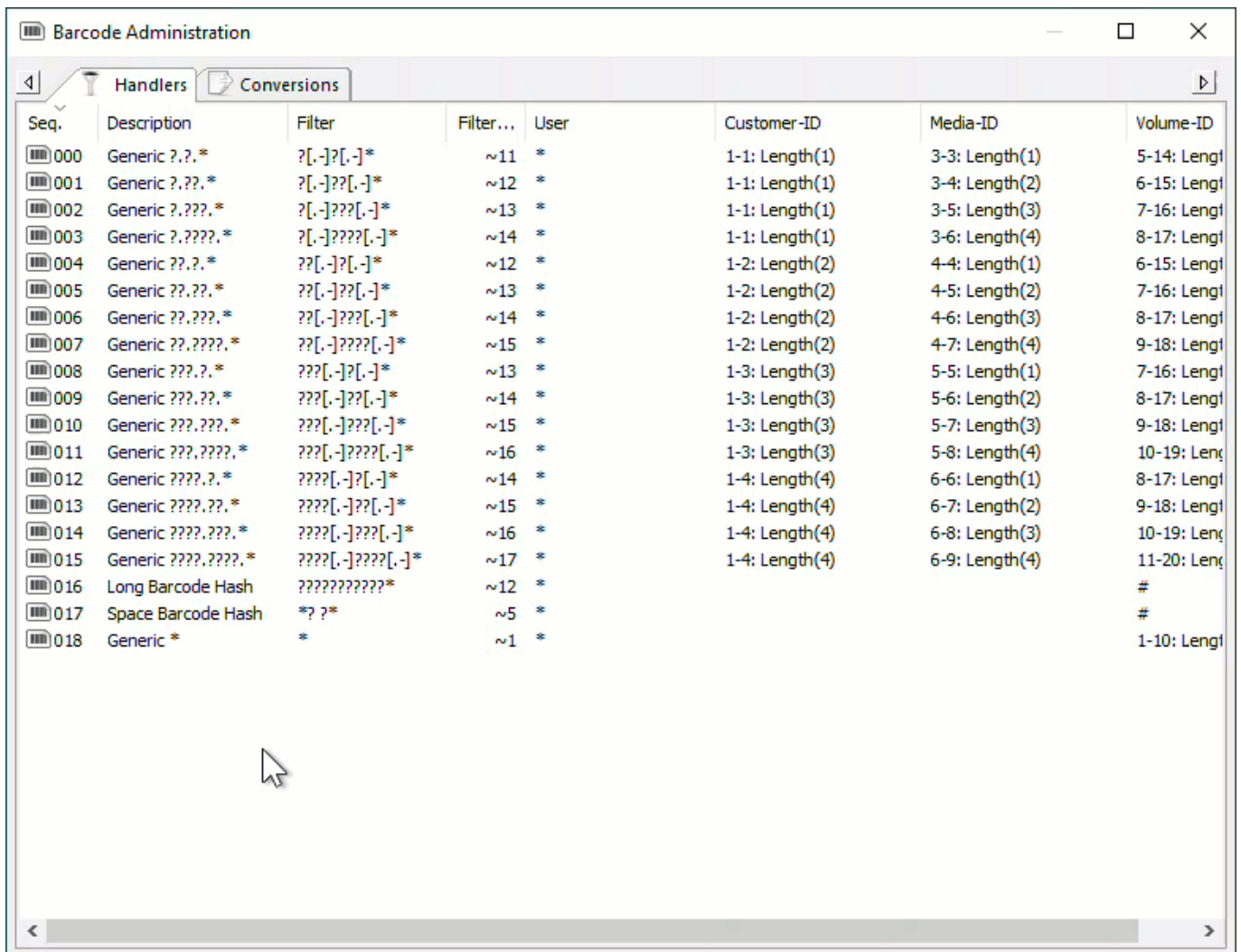
formats. If you use a custom formatted barcodes or deal with Customers that do you will need to add barcode definitions to instruct TapeTrack how to read them.

Barcode definition are read by TapeTrack from the top of the list (position 000) sequentially to the last definition, stopping when a match is found. It is therefore important to make sure your list is structured in such a way that the correct barcode definition is used to parse the barcodes.

For example, if you had a current barcode definition which encompassed most of your Volume-ID's but had a handful of Volume-ID's that needed customised processing but still met the above pattern, you would need to place the customised definition before it as the first compatible definition will be used.

Add New Barcode Definition

Right click on a current Barcode Definition in a position you want to add the new definition to. Select Add and then Before, After or End depending on where you want the new definition added to.



The screenshot shows the 'Barcode Administration' window with a table of barcode definitions. The table has columns for Seq., Description, Filter, Filter..., User, Customer-ID, Media-ID, and Volume-ID. The definitions range from 000 to 018, including generic patterns and specific hash types like 'Long Barcode Hash' and 'Space Barcode Hash'.

| Seq. | Description | Filter | Filter... | User | Customer-ID | Media-ID | Volume-ID |
|------|--------------------|----------------|-----------|------|----------------|----------------|-------------|
| 000 | Generic ?.?.* | ?[-]?[-]* | ~11 | * | 1-1: Length(1) | 3-3: Length(1) | 5-14: Leng |
| 001 | Generic ???.* | ?[-]??[-]* | ~12 | * | 1-1: Length(1) | 3-4: Length(2) | 6-15: Leng |
| 002 | Generic ?....* | ?[-]???[-]* | ~13 | * | 1-1: Length(1) | 3-5: Length(3) | 7-16: Leng |
| 003 | Generic ?.....* | ?[-]????[-]* | ~14 | * | 1-1: Length(1) | 3-6: Length(4) | 8-17: Leng |
| 004 | Generic ???.* | ??[-]?[-]* | ~12 | * | 1-2: Length(2) | 4-4: Length(1) | 6-15: Leng |
| 005 | Generic ??...* | ??[-]??[-]* | ~13 | * | 1-2: Length(2) | 4-5: Length(2) | 7-16: Leng |
| 006 | Generic ??....* | ??[-]???[-]* | ~14 | * | 1-2: Length(2) | 4-6: Length(3) | 8-17: Leng |
| 007 | Generic ??.....* | ??[-]????[-]* | ~15 | * | 1-2: Length(2) | 4-7: Length(4) | 9-18: Leng |
| 008 | Generic ????.* | ???[-]?[-]* | ~13 | * | 1-3: Length(3) | 5-5: Length(1) | 7-16: Leng |
| 009 | Generic ???...* | ???[-]??[-]* | ~14 | * | 1-3: Length(3) | 5-6: Length(2) | 8-17: Leng |
| 010 | Generic ???....* | ???[-]???[-]* | ~15 | * | 1-3: Length(3) | 5-7: Length(3) | 9-18: Leng |
| 011 | Generic ???.....* | ???[-]????[-]* | ~16 | * | 1-3: Length(3) | 5-8: Length(4) | 10-19: Leng |
| 012 | Generic ????.* | ???[-]?[-]* | ~14 | * | 1-4: Length(4) | 6-6: Length(1) | 8-17: Leng |
| 013 | Generic ???...* | ???[-]??[-]* | ~15 | * | 1-4: Length(4) | 6-7: Length(2) | 9-18: Leng |
| 014 | Generic ???....* | ???[-]???[-]* | ~16 | * | 1-4: Length(4) | 6-8: Length(3) | 10-19: Leng |
| 015 | Generic ???.....* | ???[-]????[-]* | ~17 | * | 1-4: Length(4) | 6-9: Length(4) | 11-20: Leng |
| 016 | Long Barcode Hash | ??????????* | ~12 | * | | | # |
| 017 | Space Barcode Hash | *? ?* | ~5 | * | | | # |
| 018 | Generic * | * | ~1 | * | | | 1-10: Leng |

Edit New Barcode Definition

Examples

Barcode Pattern Definition `????.????.*`

? translates to a single character * translates as a wild card and matches anything

The screenshot shows the 'Edit Barcode' dialog box with the following configuration:

| | |
|---------------------------|----------------------------------|
| Enabled | True |
| Barcode Description | Generic <code>????.????.*</code> |
| Scope | |
| Barcode Pattern | <code>????[-]????[-].*</code> |
| User Pattern | * |
| Range Start | |
| Range End | |
| Editing | |
| Edit Mask | 00000000000000000000 |
| Strip Characters | |
| Elements | |
| Customer-ID | |
| Use substring | True |
| Substring First Character | 1 |
| Substring Last Character | 4 |
| Media-ID | |
| Use substring | True |
| Substring First Character | 6 |
| Substring Last Character | 9 |
| Volume-ID | |
| Use substring | True |
| Substring First Character | 11 |
| Substring Last Character | 20 |

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Barcode US01.CONT.CT100100

The filter will dissect the barcode to

- Customer-ID: US01
- Media-ID: CONT
- Volume-ID: CT100100

Barcode Pattern Definition `*? ?*`

? translates to a single character * translates as a wild card and matches anything

