#### lengths.

Asterisk (\*)

• An Asterisk before a set of characters will show all items that end with those characters. Using the filter \*L4 in the Volume-ID field will show all Volume-ID's ending in L4.

The Asterisk is used as a wildcard to allow String matching in multiple positions and variable String

# Pattern matching

TapeTrack has powerful pattern matching functionality that can be utilized globally in TapeMaster.

## **String Pattern Matching**

To illustrate the effects of where and how the asterisk wildcard affects search results all examples will be performed against the following Volume values.

100000L4, 100001L4, 100002L4, 100003L4, 100004L4, 100012L4, 100022L4, 200000L5, 200012L5, 200022L5

Volumes							
ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
Enter text h 🗑	'Enter text h 🍸	Enter text 🍸	Enter 🍸	Enter t 🍸	Enter t 🍸	Enter t 🍸	Enter 🝸
100000L4	Library		Cn		Unspecified	Unassigned	Permanent
<b>100001L4</b>	Library		Cn				
<b>100002L4</b>	Library		Cn				
<b>100003L4</b>	Library		Cn				
<b>100004L4</b>	Library		Cn				
<b>100012L4</b>	Library		Cn				
<b>100022L4</b>	Library		Cn				
200000L5	Library		Cn				
200012L5	Library		Cn				
200022L5	Library		Cn				

Volumes							
ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Nex
*L4 🛛	7 Enter text h 🍸	Enter text 🍸	Enter 🝸	Enter t 🍸	Enter t 🍸	Enter t 🍸	Ente
100000L4	Library		Cn		Unspecified	Unassigned	Per
<b>100001L4</b>	Library		Cn				
<b>100002L4</b>	Library		Cn				
<b>100003L4</b>	Library		Cn				
<b>100004L4</b>	Library		Cn				
<b>100012L4</b>	Library		Cn				
100022L4	Library		Cn				

• An **Asterisk** after a set of characters will show all items that begin with those characters. Using the filter 20\* in the Volume-ID field will display all Volume-ID's starting with 20.

Volumes											
ID		Current Locatio	n	Target Locatio	n	Flags	Move Ti	me	Due in	Container	Ne
20*	Y	Enter text h	7	Enter text	7	Enter 🗑	Enter t	Y	Enter t 🍸	Enter t 🍸	En
200000L5	-	Library			_	Cn	-		Unspecified	Unassigned	Pe
200012L5		Library				Cn					
20002215		Library				Cn					

- If used on its own, the **Asterisk** will match everything and, as such, will have no effect on Volumes displayed.
- Using two Asterisks, one on either side of a character or set of characters will show all items containing that character or set of characters at any character position.
  Using the filter \*02\* in the Volume-ID field will display all Volume-ID's that have 02 anywhere within the ID.

Volumes													
ID		Current Locati	on	Target Locati	ion	Flags		Move Time	e	Due	in	Container	Next
*02*	7	Enter text h	7	Enter text	Y	Enter	7	Enter t	7	Enter t	Y	Enter t 🛐	Ente
<b>100002L4</b>		Library				Cn				Unspecifi	ed	Unassigned	Perr
<b>100022L4</b>		Library				Cn							
200022L5		Library				Cn							

• The Asterisk does not need to be used when entering a full Object-ID or when searching for Flags in the Volume List.

📓 Inventory 📢	2 0	OR Strategies 🛛	() c	Data Clusters 🚦	0	Simple Man	age	ement 🛄	Up	loaded Files				1
Volumes														
ID		Current Locati	on	Target Locatio	on	Flags		Move Tin	ne	Due	in	Container	r	Next N
200000L5	7	Enter text h	7	Enter text	7	E	7	Enter t	7	Enter t	Y	Enter t	Y	Enter
200000L5		📓 Library				CEn				Unspecifi	ed	Unassign	ed	Perma
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		L_^	~	~			~~	~~~^

#### **Question Mark (?)**

The **Question Mark** is used to indicate that any character can exist in a specific character position.

Using the filter ?????L4 in the Volume-ID field will display all eight character Volume-ID's ending in L4.

ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
?????L4	Enter text h 🍸	2		Enter t 🍸	Enter t 🍸	Enter t 🝸	Enter 🗑
100000L4	Library		Cn		Unspecified	Unassigned	Permanent
100001L4	Library		CEn				
100002L4	Library		CEn				
100003L4	Library		Cn				
100004L4	Library		Cn				
100012L4	Library		Cn				
100022L4	Library		Cn				

### Square Brackets ([ ])

**Square Brackets** can be used to provide parameters for a specific character position that are longer than one character. There are four different configurations:

#### **Multiple Characters**

When multiple characters are put in a **Square Bracket**, any of the characters listed will be displayed at the specified character position.

Using the filter, in the Volume-ID field, [12]????L[45] will display all eight character Volume-ID's that start in either 1 or 2 and end in either L4 or L5.

#### **Range Of Characters**

Using the filter, in the Volume-ID field, [12]????L[4-7] will display all eight character Volume-ID's that start in either 1 or 2 and end in either L4, L5, L6 or L7.

Volumes							
ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
?????L[1-4] 🏻 🍸	Enter text h 🍸	Enter text 🍸	Enter 🍸	Enter t 🍸	Enter t 🍸	Enter t 🍸	Enter 🝸
100000L4	Library		Cn		Unspecified	Unassigned	Permanent
100001L4	Library		CEn				
100002L4	Library		CEn				
100003L4	Library		Cn				
100004L4	Library		Cn				
100012L4	Library		Cn				
100022L4	Library		Cn				

### Vertical Bar (|)

When two or more characters are placed between **Square Brackets** and separated by **Vertical Bars**, the **Vertical Bar** will act as the word "OR" displaying any of the characters.

Using the filter, in the Volume-ID field, ?????L[4|5] will display all eight character Volume-ID's that end in either L4 **OR** L5.

ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
?????L[4 5] 🏾 🍸	Enter text h 🍸	Enter text 🏼	E 🍸	Enter t 🍸	Enter t 🍸	Enter t 🍸	Enter 🍸
100001L4	Library		CEn		Unspecified	Unassigned	Permanent
<b>100002L4</b>	Library		CEn				
200000L5	Library		CEn				
20001215	Library		CEn				

## Hyphen (-)

When two characters are placed between **Square Brackets** and separated by a **Hyphen**, any character alphanumerically between the two characters inclusive will display.

Using the filter, in the Volume-ID field, ?????L[1-4] will display all eight character Volume-ID's that end in L1, L2, L3 OR L4.

Volumes							
D	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
?????L[1-4]	Enter text h 🍸	Enter text 🍸	Enter 🍸	Enter t 🝸	Enter t 🍸	Enter t 🍸	Enter 🛐
100000L4	Library		Cn		Unspecified	Unassigned	Permanent
100001L4	Library		CEn				
100002L4	Library		CEn				
100003L4	Library		Cn				
100004L4	Library		Cn				
100012L4	Library		Cn				
100022L4	Library		Cn				

## Exclamation Point (!)

When the **Exclamation Point** is placed immediately following the left **Square Bracket** in a set of **Square Brackets**, any character except for the characters listed after the **Exclamation Point** will display. This functionality also works with **Multiple Characters**, **Vertical Bars**, and **Hyphens**.

Using the filter, in the Volume-ID field, ?????L! ([1-4]) will display all eight character Volume-ID's that start end in anything other than 1, 2, 3 or 4.

ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next Move
??????L!([1-4]) 🍸	Enter text h 🍸	Enter text 🍸	Enter 🍸	Enter t 🍸	Enter t 🍸	Enter t 🍸	Enter 🛐
200000L5	Library		CEn		Unspecified	Unassigned	Permanent
200012L5	Library		CEn				
20002215	Library		Cn				

## **Date Pattern Matching**

TapeTrack Date Format

TapeTrack allows you to represent dates both as literal date values and date calculations.

### Syntax

• YYYY-MM-DD: ISO Date format.

5/6

- \*: Today.
- \*±x: Today plus or minus number of days (x).
- M: The first day of this month.
- m: The last day of this month.
- Y: The first day of the year.
- y: The last day of the year.
- M±x: The first day of the month plus or minus number of months (x).
- M±x±y: The first day of the month plus or minus number of months (x), plus or minus number of days (y).
- Y±x: The first day of the year plus or minus x months.
- Y±x±y: The first day of the year plus or minus number of years (x) plus or minus number of months (y).
- Y±x±y±z: The first day of the year plus or minus number of years (x) plus or minus number of months (y) plus or minus number of days (z).

#### Examples

*-10	10 days ago
Y	the beginning of this year
M-1	the last day of last month
y-1	the last day of last year
Y-1+3-1	the last day of February last year

From: https://rtfm.tapetrack.com/ - **TapeTrack Documentation** 

Permanent link: https://rtfm.tapetrack.com/general/pattern\_matching?rev=1583364939



Last update: 2025/01/21 22:07