Pattern matching

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

String Pattern Matching

Asterisk (*)

The **Asterisk is used** to indicate which character positions are to be filtered. image

- An **Asterisk** before a set of characters will show all items that end with those characters.
- An **Asterisk** after a set of characters will show all items that begin with those characters.
- If used on its own, the **Asterisk** will display all data in that column.
- 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.

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

Question Mark (?)

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

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. image

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. image

Hyphen (-)

When two characters are placed between **Square Brackets** and separated by a **Hyphen**, any

character alphanumerically between the two characters will display. image

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**. image

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
- ***:** Today
- ***[+-]x:** Today + or - x days
- **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 + or - x months
- **M+-x+-y:** The first day of the month + or - x months + or - y days
- **Y+-x:** The first day of the year + or - x months
- **Y+-x+-y:** The first day of the year + or - x years + or - y months
- **Y+-x+-y+-z:** The first day of the year + or - x years + or - y months + or - x days

Examples

*-10 *10 days ago Y* the beginning of this year

M-0-1 *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*

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