

# What Filter Conditions and Formats are Available for Creating Widgets

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## Introduction

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MSPbots has prebuilt widgets to help organize your reports on one page. If these widgets do not fit your requirements, you can create custom widgets and use the guide below in configuring datasets.

Here are the filter conditions and formats available when creating custom widgets.

## Required permissions

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Only users with **admin** privileges can create a widget and subsequently use this article.

## Filter Conditions

No.	Conditions	Description
1	Is Empty	Pulls data with a null value.
2	Is Not Empty	Pulls data with a value.
3	Is Blank	Pulls data with an empty string.
4	Is Not Blank	Pulls data with a non-empty string.
5	Equals/Equal To/Equal	Pulls data that is equal to only one specific value.
6	Not Equals/Not Equal To/Not Equal	Pulls data that is not equal to one specific value.
7	Contains	Pulls data where the field's value matches the input; functions like " ilike '%input%' ".
8	Not Contains	Pulls data where the field's value does not match the input; functions like " not ilike '%input%' ".
9	Start With	Pulls data where the first part of the field's value matches the input; functions like " ilike 'input%' ".
10	End With	Pulls data where the last part of the field's value matches the input; functions like " ilike '%input' ".
11	Not Start With	Pulls data where the first part of the field's value does not match the input.
12	Not End With	Pulls data where the last part of the field's value does not match the input.
13	IN	Pulls data that is equal to any value in the list; allows choosing a list of values.
14	Any	Pulls data that contains any value from the list; allows choosing a list of values.
15	Not IN	Pulls data that is not equal to any value in the list; allows choosing a list of values.
16	Any IN	Pulls data that contains any value from the list; allows choosing a list of values.
17	Match	Uses regular expression; functions similarly to "Contains".
18	Not Match	Uses regular expression; functions similarly to "Not contains".
19	=	Pulls data that is equal to only one specific value.
20	>	Pulls data that is greater than only one specific value.
21	>=	Pulls data greater than or equal to a specific value.

22	<	Pulls data less than a specific value.
23	<=	Pulls data less than or equal to a specific value.
24	!=	Pulls data that is not equal to one specific value.
25	Later Than	Pulls data later than a specific value.
26	Earlier Than	Pulls data earlier than a specific value.
27	Less Than	Pulls data less than a specific value.
28	Time of Day	Pulls data at a specific time of the day.
29	Between	Pulls data between two points in time.

Filter:

The screenshot shows a filter configuration interface. At the top, there are logical operators: AND, OR, and a plus sign (+). Below this, there are more operators: AND, OR, a plus sign (+), and a minus sign (-). The main filter is set to 'form\_time'. A dropdown menu is open, showing the following options: 'Is Empty' (highlighted with a red box), 'Is Not Empty', 'Equal To', 'Later Than', 'Earlier Than', 'Less Than', 'Not Equal To', and 'In'. To the right of the dropdown, there is a 'Value' field, a 'Slicer' checkbox, and a minus sign (-). Below the filter configuration, there are sections for 'Measure', 'Dimension', 'DrillThrough Order By', and 'Order By', each with a plus sign (+) to its right.

## Time Variate

No.	Category	Name	Description
1	Time attribute	Last	Refers to the past time. For example, if Last 2 Weeks (Mon-Sun) is set, it means the past two weeks' Mondays to Sundays, totaling 14 days. If Include this is checked, it includes the present day as well.
2		Next	Refers to the upcoming time. For example, if Next 2 Weeks (Mon-Sun) is set, it means the next two weeks' Mondays to Sundays, totaling 14 days. If Include this is checked, it includes the present day as well.
3		Current	Refers to the <b>present time</b> .
4		Previous	Refers to a specific time or period in the past. For example, if <i>previous 2 Weeks (Mon-Sun)</i> is set, it means the second week before, starting from Monday to Sunday, totaling 7 days.
5	Time unit	BusinessDay	Refers to working days, which may not necessarily be Monday to Friday. Some companies' working days include Saturdays.
6		Minutes	-
7		Hours	-
8		Days	-
9		Weeks (Mon-Sun)	A week from Monday to Sunday.
10		Weeks (Sun-Sat)	A week from Sunday to Saturday.
11		Weeks (Sat-Fri)	A week from Saturday to Friday.
12		Weekend	Refers to Saturday and Sunday.

13	WeekDay	Refers to Monday to Friday.
14	Months	-
15	Quarter	-
16	Years	-
17	Financial Year(QA)	The specific day that marks the beginning of each financial year.
18	Include this	If this option is checked, pulling data will include the data for the current day.

Filter:

## Time

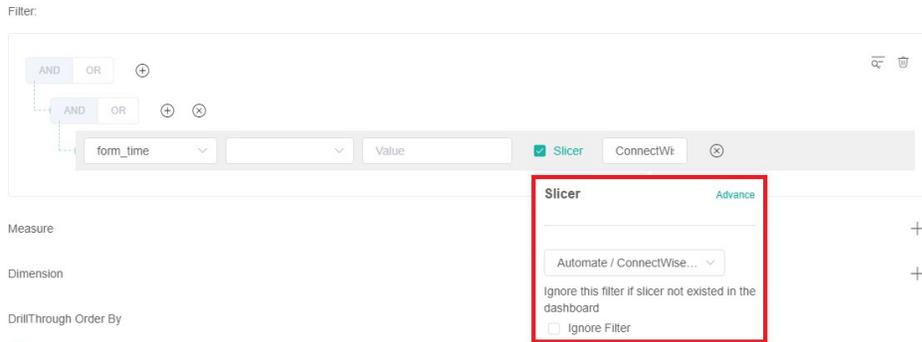
Please select a time accurate to the second, starting from the year.

Filter:

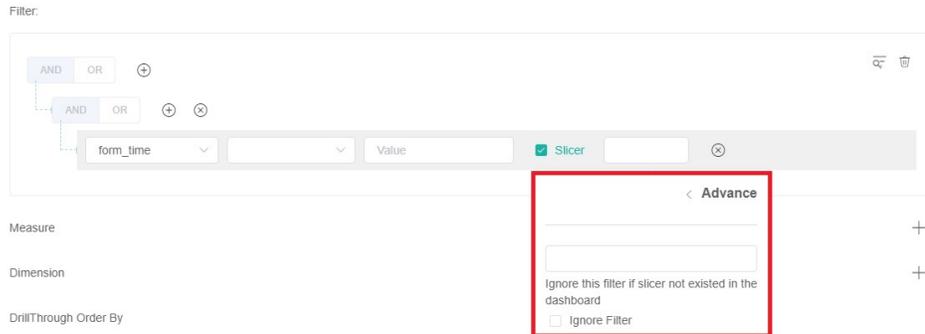
## Slicer

1. Check **Slicer** to configure it.  
Ignore this filter if the Slicer does not exist in the dashboard.
2. Click the blank box to the right of **Slicer**.

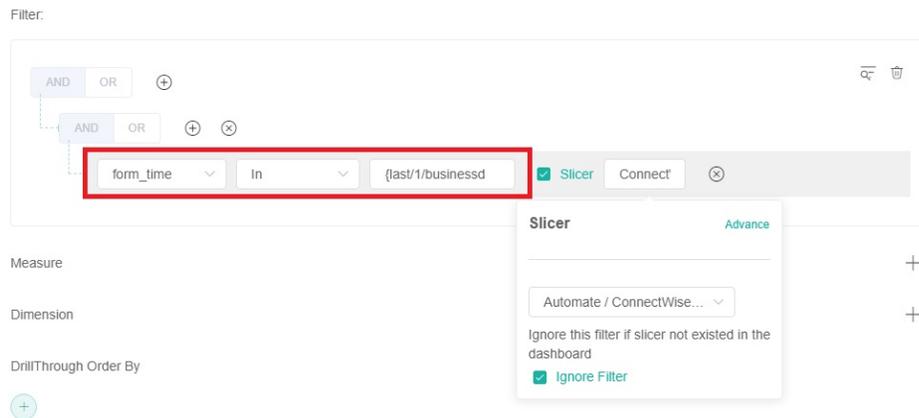
3. Select the filtering criteria from the **Select** dropdown menu.



- a. If the desired filter criteria are not available in the Slicer, please click **Advance** to customize advanced filtering conditions.
- b. Enter the advanced conditions in the blank box.



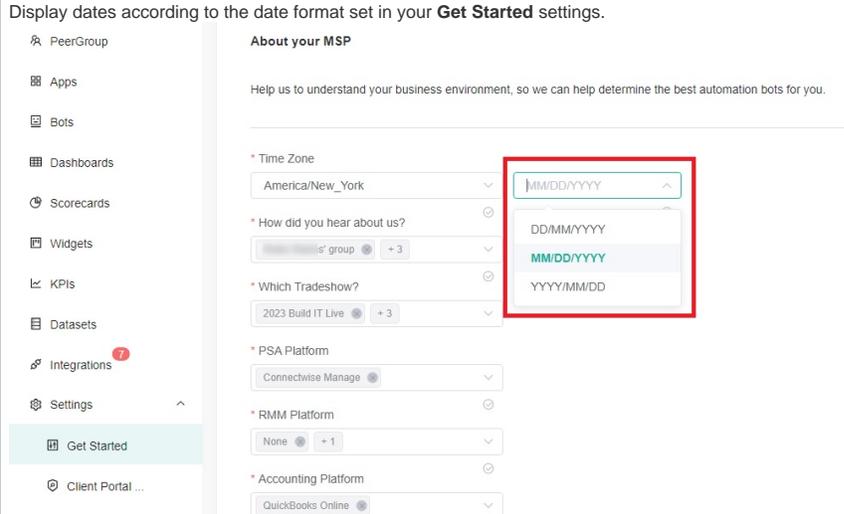
- If **Ignore Filter** is checked, the filtering conditions configured before the Slicer will be disregarded; only the Slicer will be effective.



## Date Format

No.	Name	Description	Example
1	MM-DD-YYYY	Display dates as month-day-year.	01-31-2024
2	DD-MM-YYYY	Display dates as day-month-year.	31-01-2024
3	YYYY-MM-DD	Display dates as year-month-day.	2024-01-31
4	MM-DD-YY	Display dates as month-day-year, showing only the last two digits of the year.	01-31-24
5	DD-MM-YY	Display dates as day-month-year, showing only the last two digits of the year.	31-01-24
6	YY-MM-DD	Display dates as year-month-day, showing only the last two digits of the year.	24-01-31
7	MM YYYY	Display dates as month year.	01 2024
8	YYYY	Display dates as year.	2024
9	MMM YYYY	Display dates as month year, with the month displayed as a three-letter abbreviation of the English word, capitalized.	Jan 2024

## Date Time Format

No.	Category	Name	Description	Example
1	Date	MM-DD-YYYY	Display date as month-day-year.	01-31-2024
2		DD-MM-YYYY	Display date as day-month-year.	31-01-2024
3		YYYY-MM-DD	Display date as year-month-day.	2024-01-31
4		MM-DD-YY	Display date as month-day-year, showing only the last two digits of the year.	01-31-24
5		DD-MM-YY	Display date as day-month-year, showing only the last two digits of the year.	31-01-24
6		YY-MM-DD	Display date as year-month-day, showing only the last two digits of the year.	24-01-31
7		MM YYYY	Display date as month year.	01 2024
8		YYYY	Display date as year.	2024
9		MMM YYYY	Display dates as month year, with the month displayed as a three-letter abbreviation of the English word, capitalized.	Jan 2024
10	Same as account setting	<p>Display dates according to the date format set in your <b>Get Started</b> settings.</p> 		If your selected date format in <b>Get Started</b> is MM/DD/YYYY, then all dates in this widget will be displayed in the format MM-DD-YYYY.
11	NULL	Do not display date.	When the date time is 2024.01.31, 18:30:30, display it as 18:30:30.	
12	Time	HH:mm	Display time as hours (in 24-hour format): minutes	18:30
13		HH:mm:ss	Display time as hours (in 24-hour format): minutes: seconds	18:30:30
14		hh:mm	Display time as hours (in 12-hour format): minutes	06:30
15		hh:mm:ss	Display time as hours (in 12-hour format): minutes: seconds	06:30:30
16		NULL	Do not display time.	When the date time is 2024.01.31, 18:30:30, display it as 2024.01.31.
17	Time Indicators	a	When Time format is set to hh:mm and hh:mm:ss, this option will appear for configuration. Display lowercase am and pm after the time.	6:30:30 pm
18		A	When Time format is set to hh:mm and hh:mm:ss, this option will appear for configuration. Display uppercase AM and PM after the time.	6:30:30 PM
19		NULL	When Time format is set to hh:mm and hh:mm:ss, this option will appear for configuration. Do not display am, pm, AM, or PM after the time.	If the time is 6:30:30 pm, do not display pm and display it as 6:30:30.

## Related Topics

- [How to Create Slicers in Widgets](#)
- [How to Create a Target Card Widget](#)
- [Creating a Scorecard Dashboard](#)
- [How to change the URL used by bots to send alerts](#)
- [How to Create a Date Range Slicer](#)

- [How to Add a Slicer to the Dashboard](#)
- [Creating a Column Chart Widget](#)
- [Creating a Grid Widget](#)
- [Creating the Line Chart and Stacked Line Widgets](#)
- [Creating a Card Number Widget](#)
- [Creating a Pie Chart Widget](#)
- [Creating a Progress Tracker Widget](#)
- [How to Clone a Widget](#)
- [Prebuilt Widgets](#)
- [How to Add PSA Hyperlinks to Ticket Numbers in a Widget](#)