

# Using Date Formatter, Date Filter and Date Range Filter

In this article, one will learn on how to configure the Form element's [Date Picker](#) and on how it would affect other elements down the line based on the sample below.

The objective of this article is to configure everything that is related to date picker (date elements) to a single format, which is **dd-mm-yyyy** and to be able to sort records correctly using the same date element too.

Travel Plan

Drag This Column

Title

Departure

Arrival

ADVANCED: JSON Definition

Advanced Options

Edit Date Picker > Advanced Options

Data

Default Value

Data Format  
In Java date format. Eg. yyyy-MM-dd for 2011-06-01

Validation

Validator

Start Date Field ID

End Date Field ID

Set Current Date As

UI

Display Format  
In jQuery date format. Eg. dd-mm-yy for 01-06-2011

< Prev Next >

OK Cancel

Figure 1: Form Date Picker Configurations

Based on the configurations above on [Date Picker](#), when one picks a date, (e.g. June 2, 2016), it will display **02-06-2016** to the user. This is because the **Display Format** is set to **dd-mm-yy**.

When the form is submitted, it will be stored as **2016-06-02** because the **Data Format** is set to **yyyy-MM-dd**.

Design  
Design Columns

Properties  
Main Properties

Preview  
Preview Data

Property Editor  
[close]

Drag Filters Here

Departure

Drag Columns Here

Title	Departure	Arrival
Sample Data 1	Sample Data 1	Sample Data 1
Sample Data 2	Sample Data 2	Sample Data 2
Sample Data 3	Sample Data 3	Sample Data 3
Sample Data 4	Sample Data 4	Sample Data 4
Sample Data 5	Sample Data 5	Sample Data 5
Sample Data 6	Sample Data 6	Sample Data 6

Drag Actions Here

Configure Date Formatter

General > Action Mapping > Formatter > Configure Date Formatter

Data Date Format \*  
Data are stored in this date format

Display Date Format \*  
Display data with this date format

Figure 2: Date Formatter Configurations

When the form is submitted, it will be stored as **2016-06-02**

When one view the records submitted in a Datalist, the date value shown will be based on the **Data Format** set earlier. Therefore, to make the date to show in our desired format, we will need to make use of the [Date Formatter](#) with the configurations as shown above.

Sorting based on this date column will work as sorting is based on data format, **yyyy-MM-dd**



#### Good to know

All form fields will be treated and saved as string/characters to maintain flexibility in form design.

Drag Filters Here

Departure From To

Drag Columns Here

Departure	Arrival
◦ Sample Data 1	◦ Sample Data 1
◦ Sample Data 2	◦ Sample Data 2
◦ Sample Data 3	◦ Sample Data 3
◦ Sample Data 4	◦ Sample Data 4
◦ Sample Data 5	◦ Sample Data 5
◦ Sample Data 6	◦ Sample Data 6

Drag Actions Here

Configure Date Range Filter

General > Configure Date Range Filter

Show Label of Filter? ☒

Default Value (From)

Default Value (To)

Label for From Field \*

Label for To Field \*

Display Format \*   
In jQuery date format. Eg. dd-mm-yy for 13-06-2011

Data Format \*   
In Java date format. Eg. yyyy-MM-dd for 2011-06-13

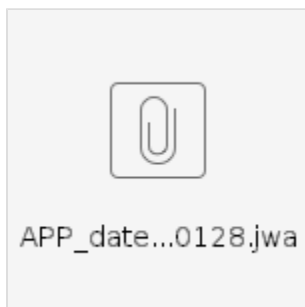
Date Picker Year Range \*

Figure 3: Date Range Filter Configurations

Likewise, in order to make use of any filter (i.e. Date Range Filter) in relation to the date picker's form element, one should also configure the **Display Format** and **Data Format** according to the format first set in Date Picker itself as shown in the figure above.

#### Tutorial Video:

#### Sample App:



#### Related Elements

- [Date Picker](#)
- [Date Formatter](#)
- [Date Range Filter](#)
- [Date Filter](#)