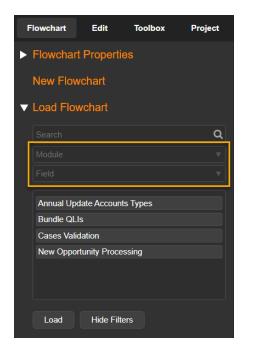
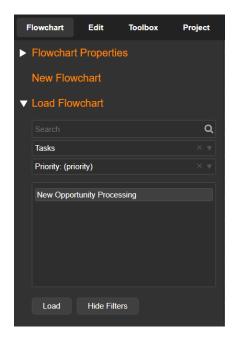
Filtering flowcharts

With a new **Flowchart Filtering** feature, you can search for flowcharts by field and module names used in them. This filtering feature is available right on **Load Flowchart** dialog box. The following pictures demonstrate the process of searching for flowcharts related to Accounts module:

 Flowchart Properties New Flowchart Load Flowchart Load Flowchart Search Annual Update Accounts Types Bundle QLIs Cases Validation New Opportunity Processing Field 	Flov	wchart	Edit	Toolbox	Project
New Flowchart New Flowchart Load Flowchart Load Flowchart Search Q Annual Update Accounts Types Module Bundle QLIs Annual Update Accounts Types Cases Validation Bundle QLIs New Opportunity Processing Cases Validation	FI	owcha	rt Proper	ties	
▼ Load Flowchart	N	ew Flov	wchart		
Search Q Search Q Module Image: Comparison of the second s					
Annual Update Accounts Types Bundle QLIs Cases Validation New Opportunity Processing			wchart		
Annual Update Accounts Types Bundle QLIs Cases Validation New Opportunity Processing Cases Validation					Q
Bundle QLIs Annual Update Accounts Types Cases Validation Bundle QLIs New Opportunity Processing Cases Validation	A	Annual Up	odate Accou	nts Types	
New Opportunity Processing Cases Validation		Bundle QLIs			
	C	Cases Val	idation		
New Opportunity Processing	N	lew Oppo	ortunity Proc	cessing	
		Load	Show F	ilters	
Load Hide Filters					

You can narrow down the list to find only those flowcharts that mention a specific field of the module. The following pictures demonstrate the process of searching for flowcharts related to Priority field of Tasks module:





Locating operators in flowcharts

Find Operator feature allows easily locating specific operators on large flowcharts. **Find Operator** dialog box displays all operators from the currently loaded (or created) flowchart. You can narrow down the list of operators by typing any part of the operator name in **Search** field. When you click any operator in the list, it is displayed in the center of the drawing area.

Search Q APIDateTest Image: Comparison of the second s	▼ Lo	ad Flowchart	
Load Show Filters Find Operator Show Filters Ø Ø On Data Change Ø Get Entity Attributes Ø Ø Get Entity Attributes Ø Ø det Entity Attributes Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø Ø a ≠ b Ø			Q
 Find Operator Search On Data Change Get Entity Attributes a ≠ b Get Entity Attributes a ≠ b 		PIDate Test	
Bearch On Data Change Get Entity Attributes a ≠ b Get Entity Attributes a ≠ b		Load Show Filters	
On Data Change Get Entity Attributes a ≠ b Get Entity Attributes a ≠ b	_		ام
Get Entity Attributes a ≠ b Get Entity Attributes a ≠ b		Juion	<u>~ر</u>
a ≠ b Get Entity Attributes a ≠ b	0	n Data Change	
Get Entity Attributes a ≠ b	G	et Entity Attributes	
a≠b	а	≠b	
	G	et Entity Attributes	
a≠b	а	≠b	

The old way of locating operators with the help of the mini-map is still available. You can type the name of the operator in Highlight field of Mini-map dialog box and it will highlight the correspondent operators. Click on any point of the mini-map in order to display it in the center of the drawing area.

▼ Mini-map
Rest Client

New operators for working with dates

A number of new operators added to enhance the way you can work with dates in your flowcharts.

Get Date from String operator is intended for converting strings to dates. Feed **String** and **Format** ports of the operator with the string representing some date and its format respectively. You can find the allowed date formats <u>here</u>. If you want a resulting date to be converted according to the current Sugar user's time zone settings, then select Yes in **Is In User's Timezone** port.

Result: 2020-04-29 08:29:55 (GMT) **UNIX Timestamp** i Get Date From String String 1588148995 string date C format U is in user's timezone No w Result: 2020-04-28 22:29:55 (User's Timezone -10) Get Date From String date 🔿 string format U is in user's timezone Yes ×v

The following picture shows the example of converting a string representing UNIX timestamp to a date:

In order to convert a date back to a string, you can use **Get String From Date** operator. Format port defines the resulting string format. Allowed formats are the same that are used for **Get Date from String** operator.

The following picture shows the example of converting a date to a string using d/m/Y format:

Get Attribute Data	i	Get String From	Date	
entity	value 🔵	🗕 🔵 date	string 🔵 🗕 🗕	
O attribute name	text 🔿	o format		
Valid Until (date_quote × ▼	label 🔿	d/m/Y		
	name 🔿			

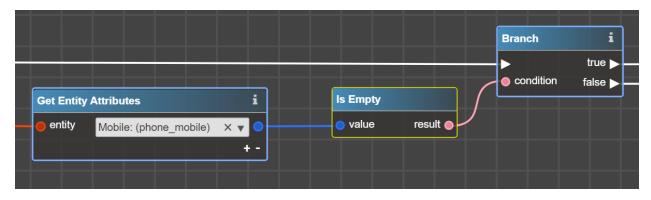
The following are the examples of some commonly used date formats:

- Y-m-d H:i:s (2020-12-17 10:24:59)
- U Seconds since the Unix Epoch (e.g. 1608222665)
- c ISO 8601 date (e.g. 2004-02-12T15:19:21+00:00)

Important notice: If you use Date Type fields to compose API requests (using **Rest Client** operator), then you'll need to use **Get String From Date** operator there in order to format dates properly.

Checking values for emptiness

Is Empty operator is useful when you need to check if any particular value is empty. The result of this operator will be True if a value-under-test is either NULL or empty string. The following picture shows the example of using **Is Empty** operator.



New ready-made metadata

A bunch of new ready-made metadata packages added to Logic Builder. Now you can create new projects based on the following presets:

- Sugar 10.0.2 Pro
- Sugar 10.0.3 Ent
- Sugar Sell & Serve 10.2