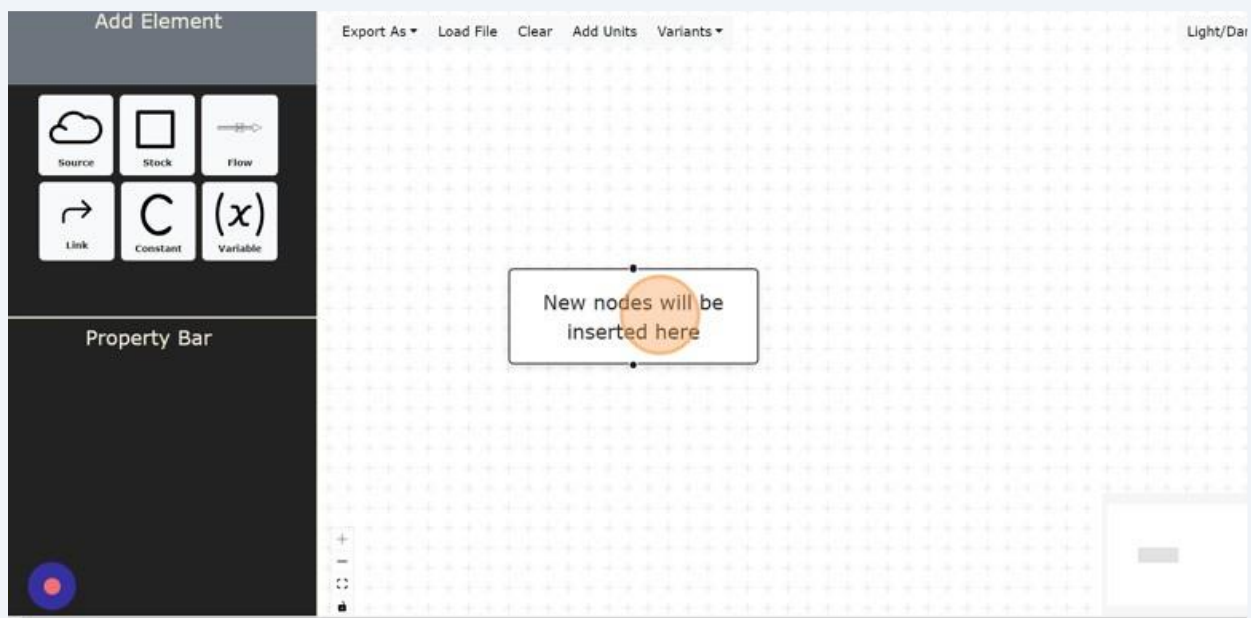
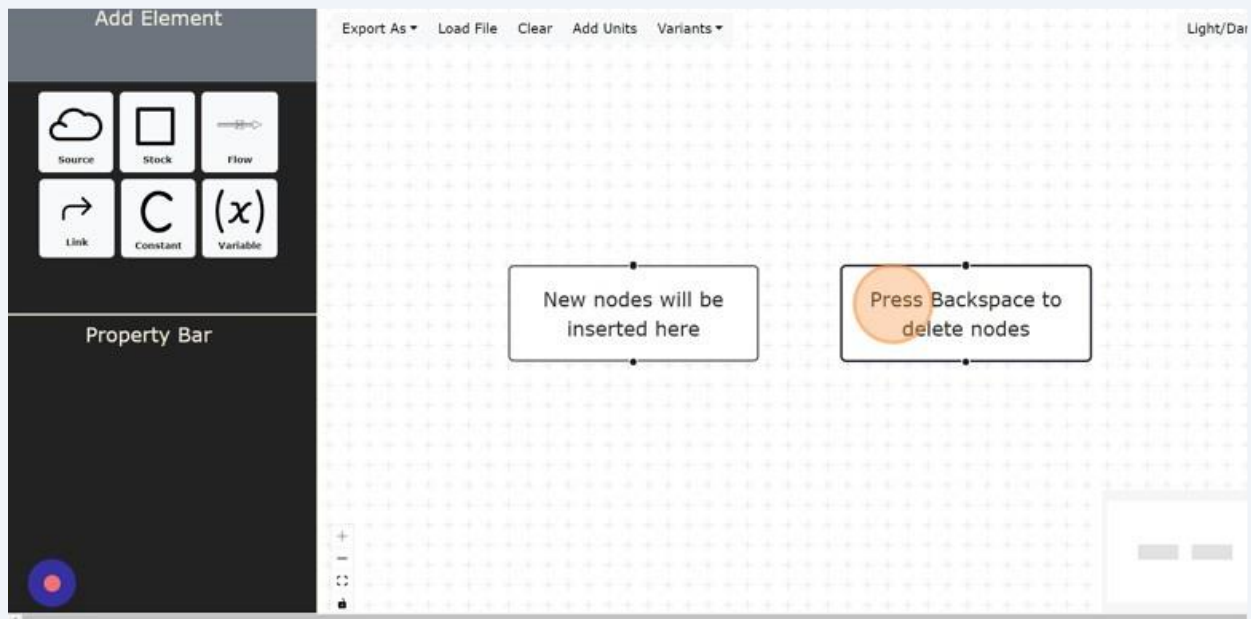


# How to Create a Stock and Flow Model with Multiple Elements, Actions and features

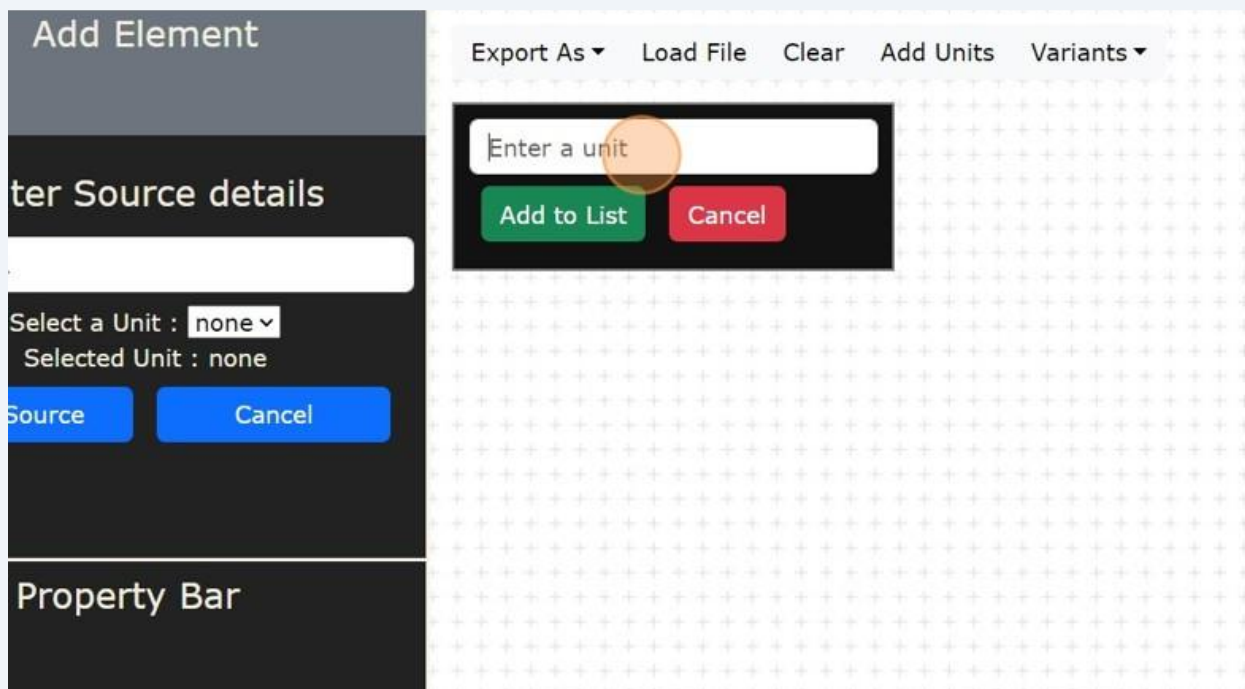
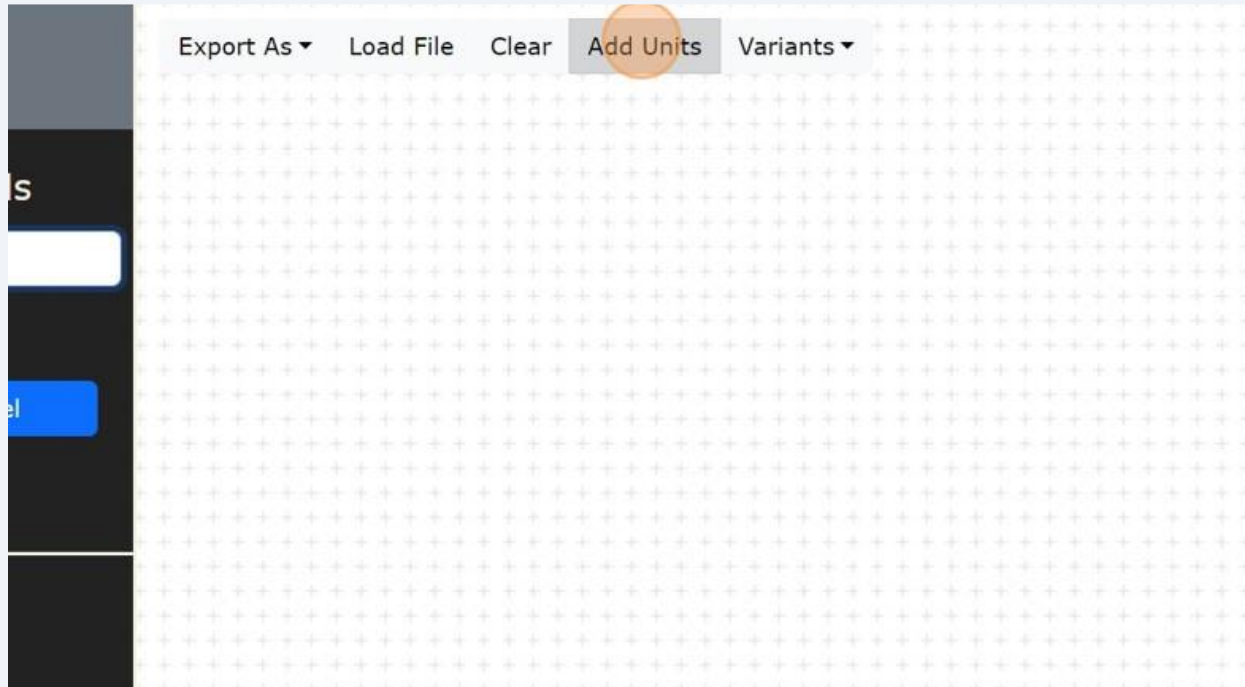
1

Navigate to [localhost:3000](http://localhost:3000)  
Click "**BACKSPACE**" to delete nodes



2

Click **"ADD UNITS"** Button Click  
the **"ENTER A UNIT"** field.  
Type any unit you want to use, Example : **"KG"**  
Click **"ADD TO LIST"** to add in unit list Click  
**"CANCEL"**



### Add Element

#### Enter Source details

Select a Unit : none ▾  
Selected Unit : none

Add Source
Cancel

#### Property Bar

Export As ▾
Load File
Clear
Add Units
Variants ▾

kg

Add to List
Cancel

### Add Element

#### Source details

a Unit : none ▾  
ed Unit : none

Cancel

#### Property Bar

Export As ▾
Load File
Clear
Add Units
Variants ▾

kg

Add to List
Cancel

kg

3

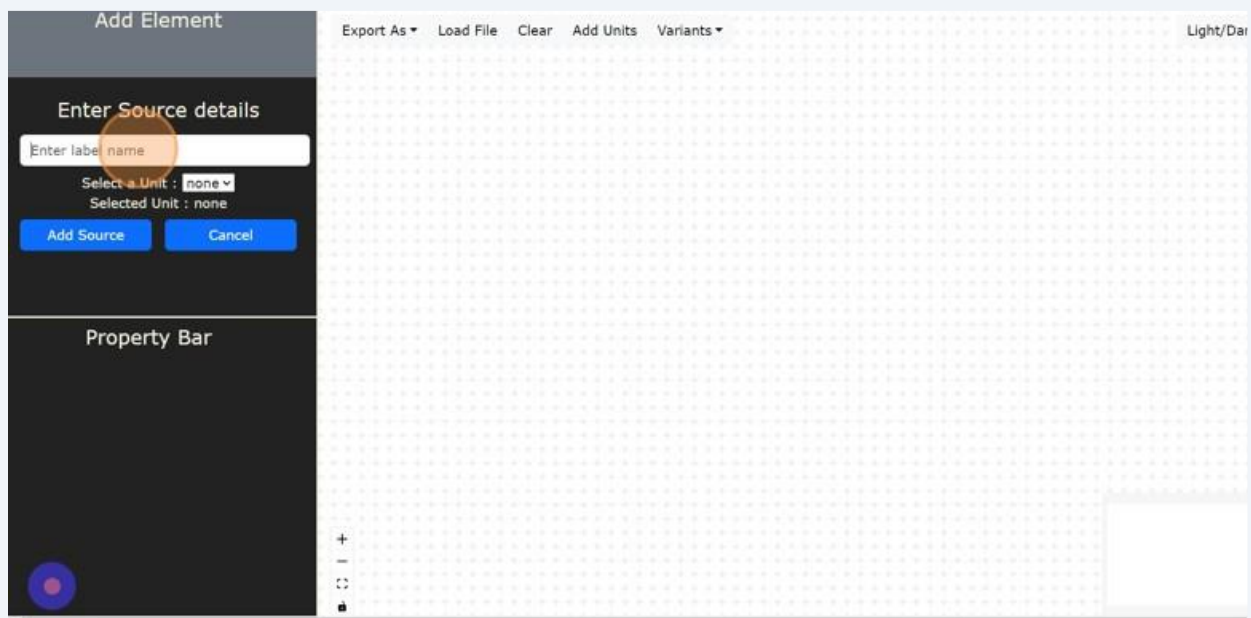
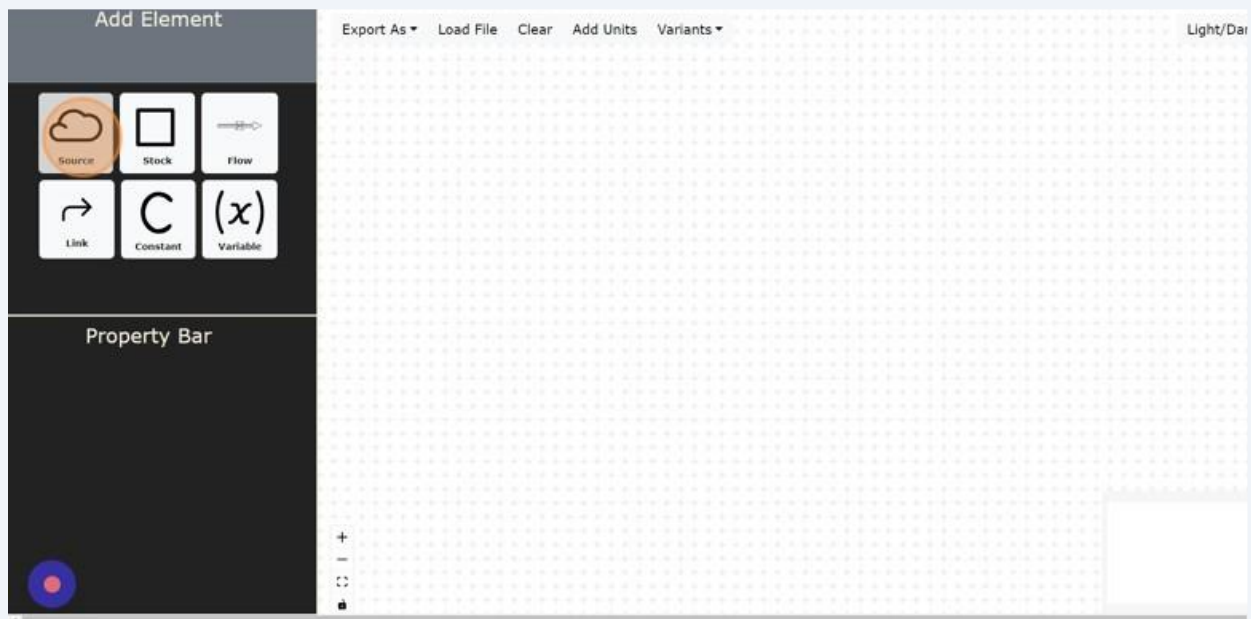
Click this **"SOURCE"** icon Button.

Then Click the **"ENTER LABEL NAME"** field.

Type any name you want to give to the source for Example : **"SOURCE1"** Then Click this dropdown **"SELECT UNIT"** you want to give which you added before in add unit section.

Then Click **"ADD SOURCE"**.

Your **"SOURCE1"** is on Screen now .



### Add Element

#### Enter Source details

source1

Select a Unit : none ▾

Selected Unit : none

Add Source Cancel

#### Property Bar

Export As ▾ Load File Clear Add Units Variant

### Add Element

#### Enter Source details

source1

Select a Unit : kg ▾

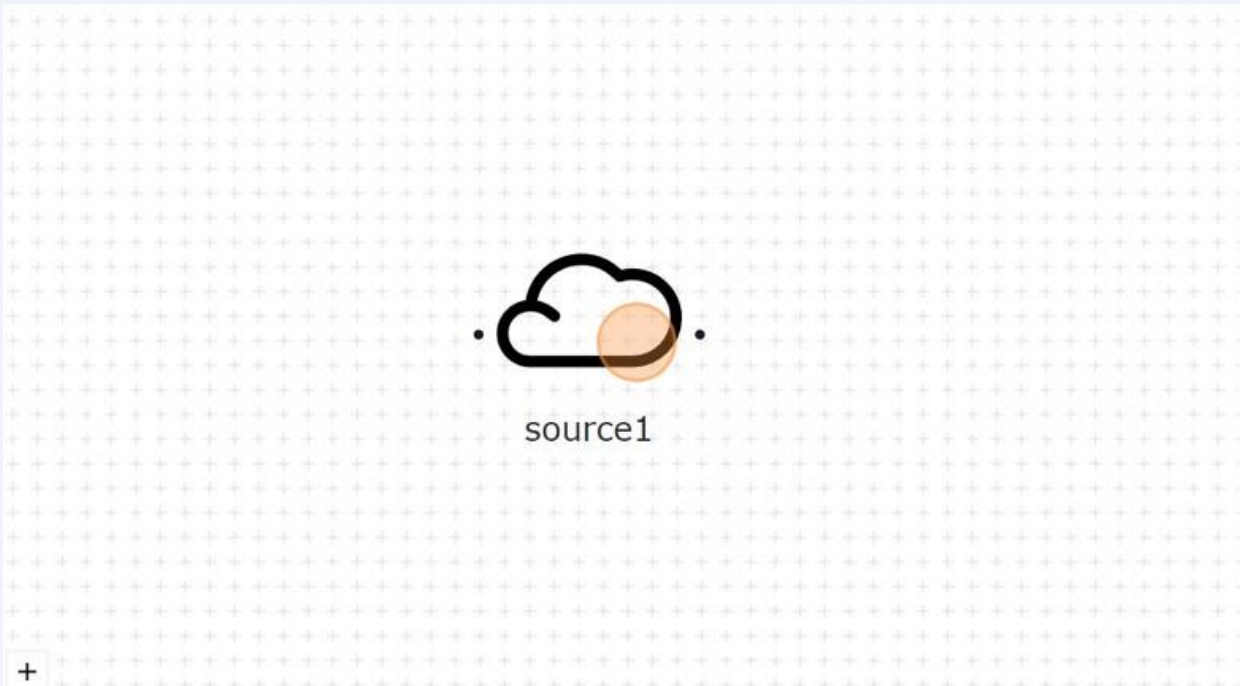
Selected Unit : kg

Add Source Cancel

#### Property Bar

Export As ▾ Load File Clear Add Units Variant





4

Click this **"STOCK"** icon Button.

Then Click the **"ENTER LABEL NAME"** field.

Type any name you want to give to the stock for Example: **"STOCK1"**

Then Click the **"ENTER VALUE"** field.







Type any value you want to give for Example: "10"

Then Click this dropdown **"SELECT UNIT"** you want to give which you added before in add unit section.

Then Click **"ADD STOCK"**


Your **"STOCK1"** is on Screen now .

### Add Element

 Source	 Stock	 Flow
 Link	 Constant	 Variable

### Property Bar

Export As ▾
Load File
Clear
Add Units
Variants



Add Element

Enter Stock details

Enter label name

Enter value

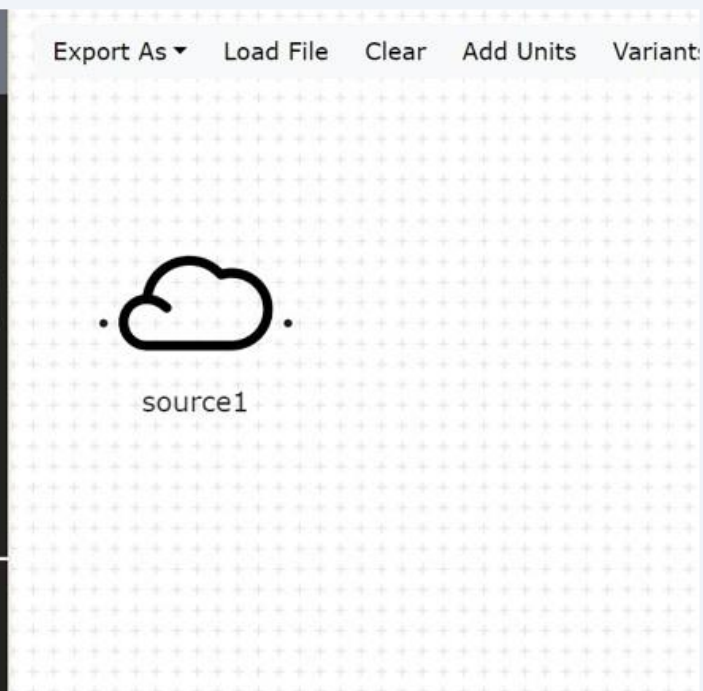
Select a Unit : none

Selected Unit : none

Add Stock

Cancel

Property Bar



Add Element

Enter Stock details

stock1

Enter value

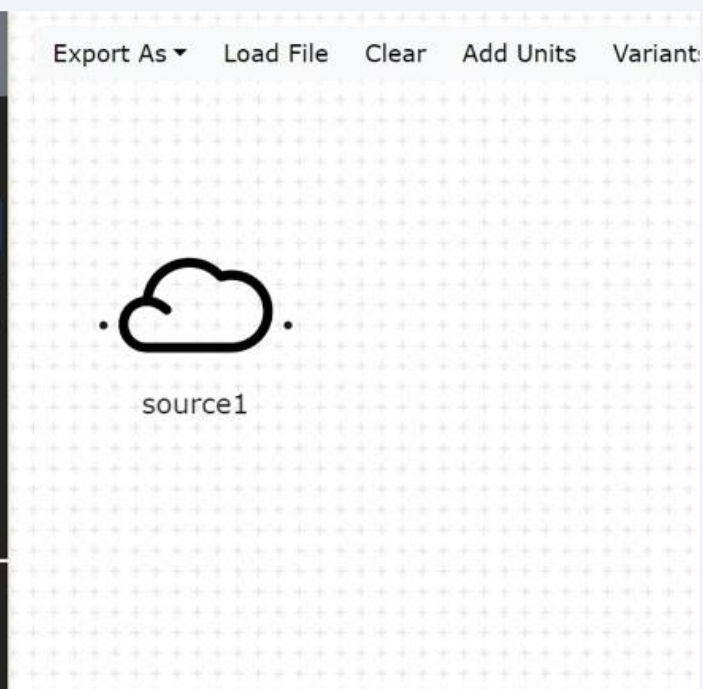
Select a Unit : none

Selected Unit : none

Add Stock

Cancel

Property Bar



### Add Element

#### Enter Stock details

stock1

10


Select a Unit : **none** ✓

Selected Unit : none

**Add Stock** **Cancel**

#### Property Bar

Export As ▾ Load File Clear Add Units Variant

.  .

source1

### Add Element

#### Enter Stock details

stock1

10

Select a Unit : **kg** ▾

Selected Unit : kg

**Add Stock** **Cancel**

#### Property Bar

Export As ▾ Load File Clear Add Units Variant

.  .

source1





source1



5

Click this **"FLOW"** Icon button.

Then Click the **"ENTER LABEL NAME"** field.

Type any name you want to give to the Flow for Example: **"FLOW1"**. Then

Click **"SOURCE"** dropdown which is for selecting source of the flow, Then

Click **"TARGET"** dropdown which is for selecting Target of the flow. Then

Click the **"ENTER VALUE"** field.

Type any value you want to give for Example "15"

Then Click the **"ENTER EQUATION"** field.







Type equation which includes factors which have role in flow1

Then Click this dropdown **"SELECT UNIT"** you want to give which you added before in add unit section.

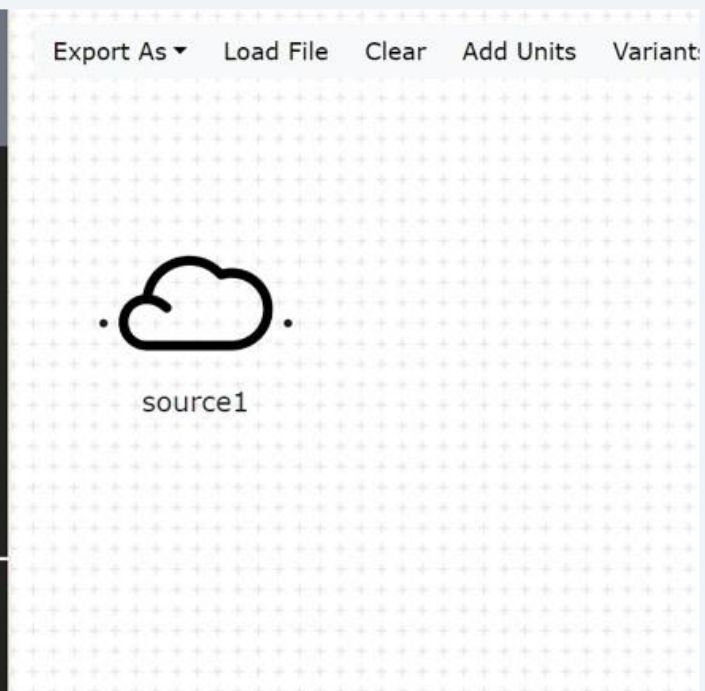
Click **"ADD FLOW"**

Your **"FLOW1"** is on Screen now.

### Add Element

 Source	 Stock	 Flow
 Link	 Constant	 Variable

### Property Bar



### Add Element

#### Enter Uniflow details

Enter label name

Source:

Target:

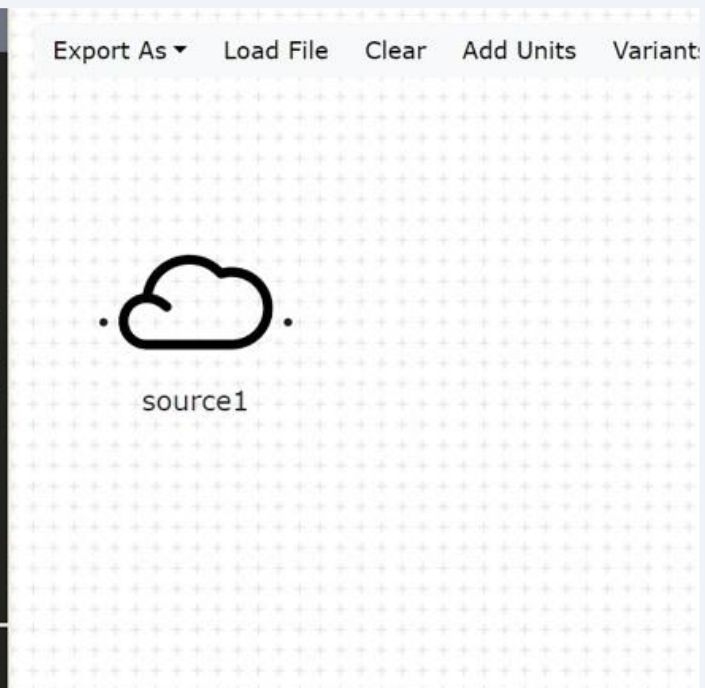
Enter value

Enter equation

Select a Unit :

Selected Unit :

### Property Bar



Add Element

Enter Uniflow details

flow1

Source:

Target:

Enter value

Enter equation

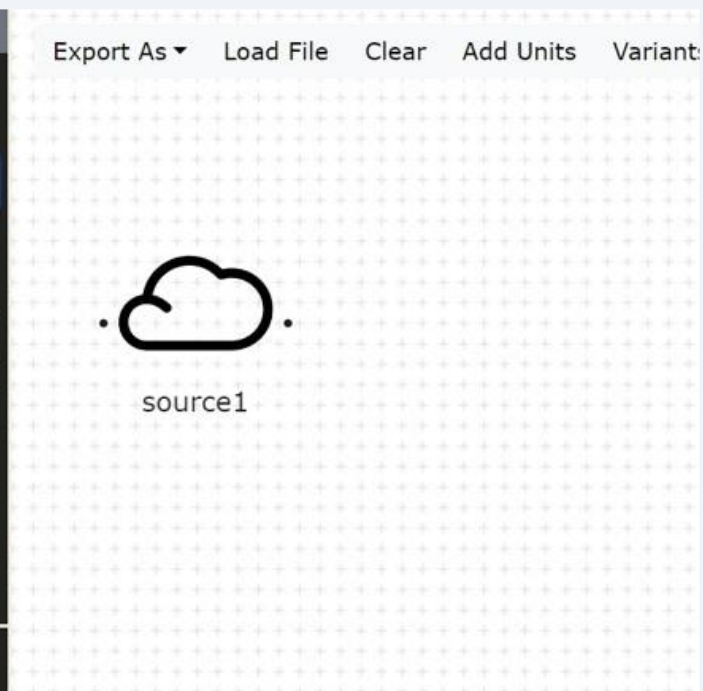
Select a Unit : none

Selected Unit :

Add Flow

Cancel

Property Bar



Add Element

Enter Uniflow details

flow1

Source: source1

Target:

Enter value

Enter equation

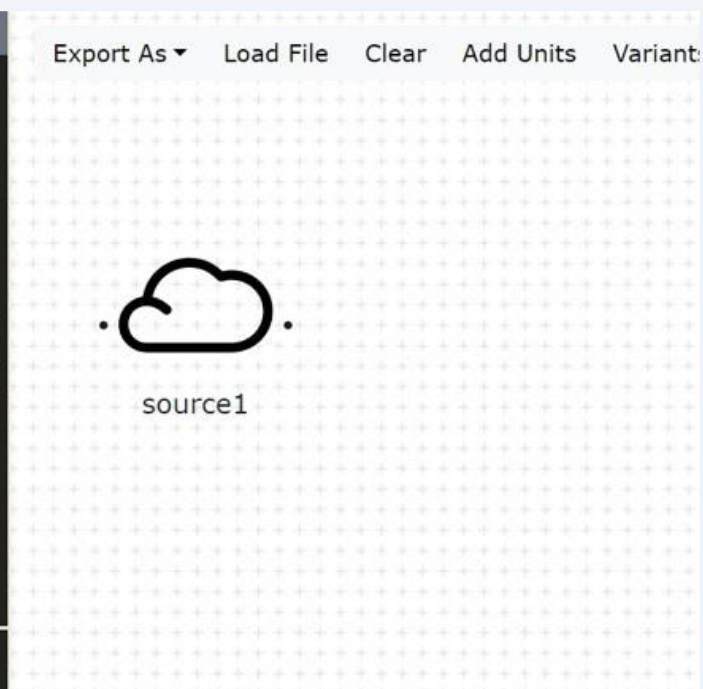
Select a Unit : none

Selected Unit :

Add Flow

Cancel

Property Bar



### Add Element

#### Enter Uniflow details

flow1

Source: source1 ▾  
Target: stock1 ▾

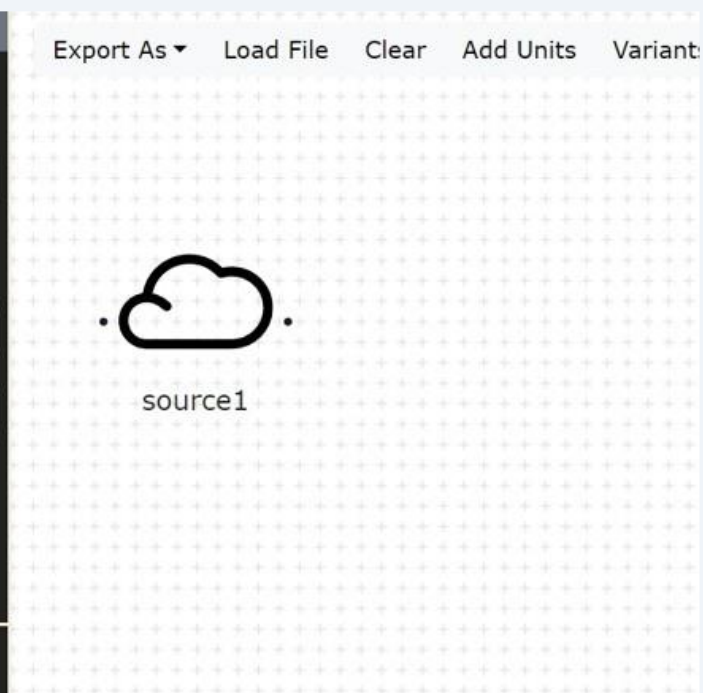
Enter value

Enter equation

Select a Unit : none ▾  
Selected Unit :

Add Flow Cancel

#### Property Bar



### Add Element

#### Enter Uniflow details

flow1

Source: source1 ▾  
Target: stock1 ▾

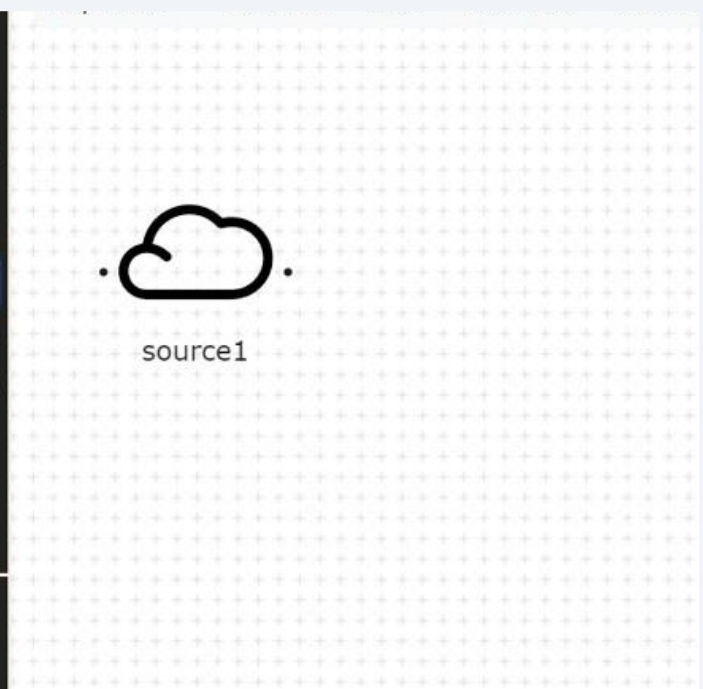
15

Enter equation

Select a Unit : none ▾  
Selected Unit :

Add Flow Cancel

#### Property Bar



flow1

Source: source1 ▾  
Target: stock1 ▾

15

2\*var1+var2

Select a Unit : none ▾  
Selected Unit :

Add Flow Cancel

Property Bar



Source: source1 ▾  
Target: stock1 ▾

15

2\*var1+var2

Select a Unit : kg ▾  
Selected Unit : kg

Add Flow Cancel

Property Bar







6

Click this "**VARIABLE**" Icon Button. Click the "**ENTER LABEL NAME**" field.

Type any name you want to give to the Variable for Example: "**VAR1**". Then Click the "**ENTER VALUE**" field.

Type any value you want to give for Example: "20".

Then Click the "**ENTER EQUATION**" field.

Type equation which includes factors which have role in var1

Then Click this dropdown "**SELECT UNIT**" you want to give which you added before in add unit section.

Click "**ADD VARIABLE**".

Your "**VAR1**" is on Screen now.

Source

Stock

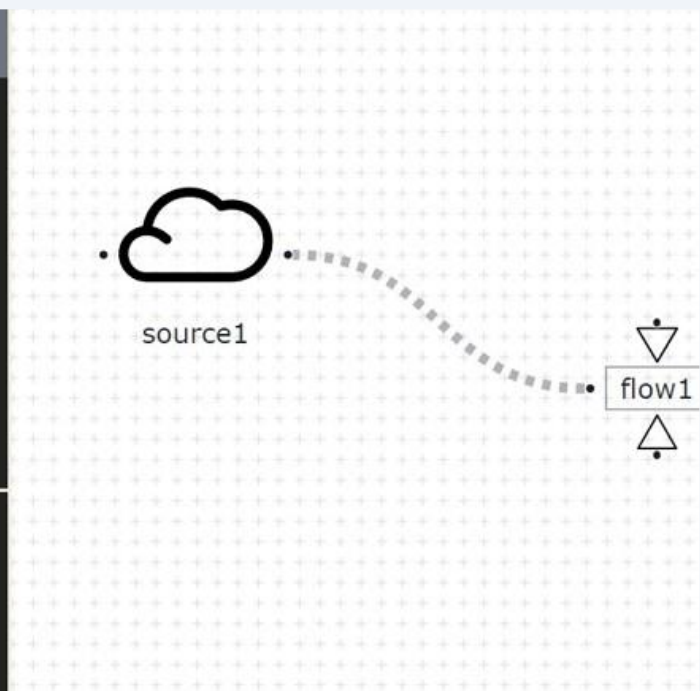
Flow

Link

Constant

Variable

Property Bar



Add Element

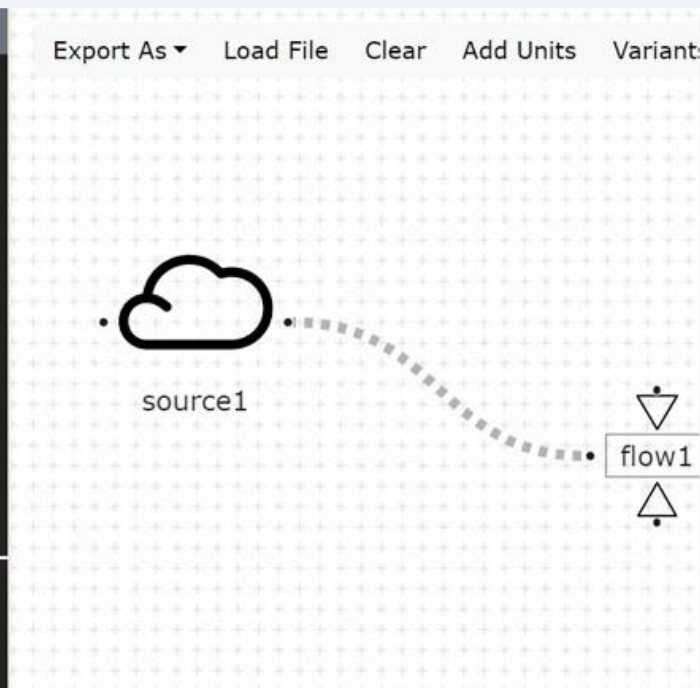
Enter Variable details

Select a Unit : none
Selected Unit :

Add Variable

Cancel

Property Bar



### Add Element

#### Enter Variable details

var1

Enter value

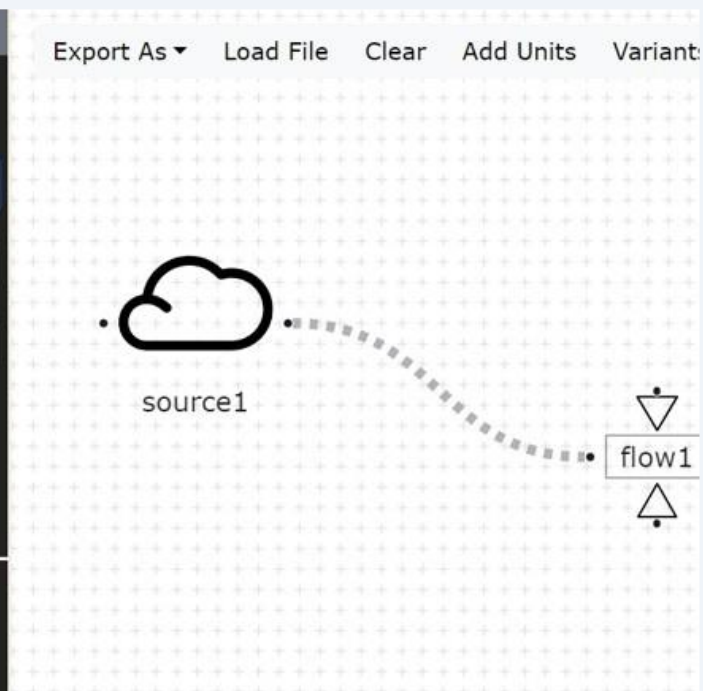
Enter equation

Select a Unit : none ▾

Selected Unit :

Add Variable Cancel

#### Property Bar



### Add Element

#### Enter Variable details

var1

20

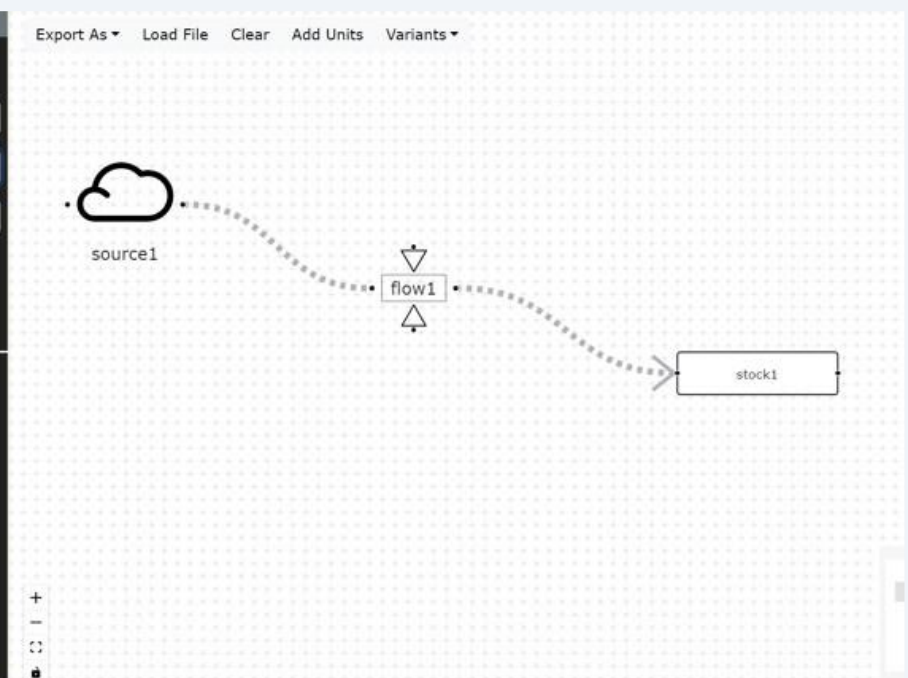
Enter equation

Select a Unit : none ▾

Selected Unit :

Add Variable Cancel

#### Property Bar



Add Element

Enter Variable details

var1

20

2\*const

Select a Unit : none

Selected Unit :

Add Variable

Cancel

Property Bar

Export As

Load File

Clear

Add Units

Variants

source1

flow1

stock1

var1

20

2\*const

Select a Unit : kg

Selected Unit : kg

Add Variable

Cancel

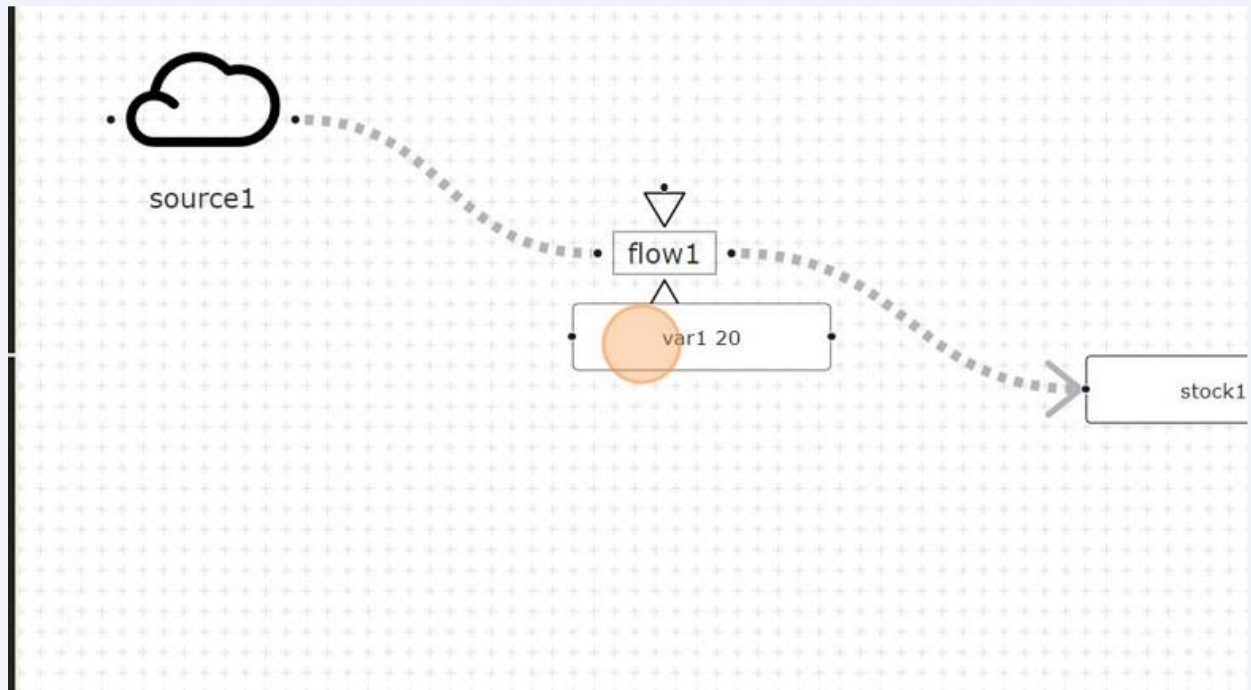
Property Bar

source1

flow1

TCS Research

17



var1  
20  
2\*const  
Select a Unit : kg  
Selected Unit : kg  
Add Variable  
Cancel

Property Bar

The image shows a software interface with a form on the left and a diagram on the right. The form has fields for 'var1', '20', and '2\*const', a unit selector set to 'kg', and buttons for 'Add Variable' and 'Cancel'. The diagram on the right shows a cloud icon labeled 'source1' connected by a dashed line to a box labeled 'flow1', which is then connected to a variable box labeled 'var1 20'.

7

Click this **"CONSTANT"** icon Button.

Then Click the **"ENTER LABEL NAME"** field.

Type any name you want to give to the stock for Example: **"CONST1"**. Then

Click the **"ENTER VALUE"** field.

Type any value you want to give for Example: "22"

Then Click this dropdown **"SELECT UNIT"** you want to give which you added before in add unit section.

Then Click **"ADD CONSTANT"**. Your

**"CONST1"** is on Screen now .



Source

Stock

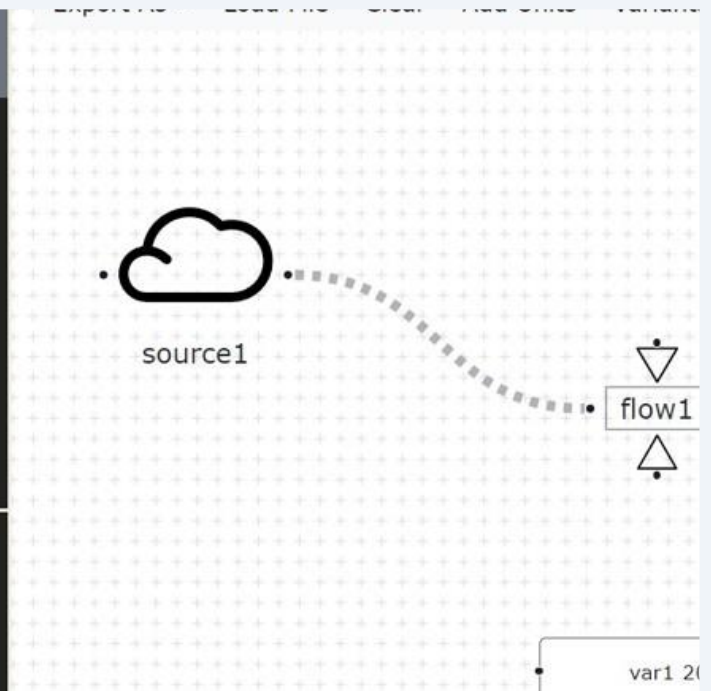
Flow

Link

Constant

Variable

Property Bar



Add Element

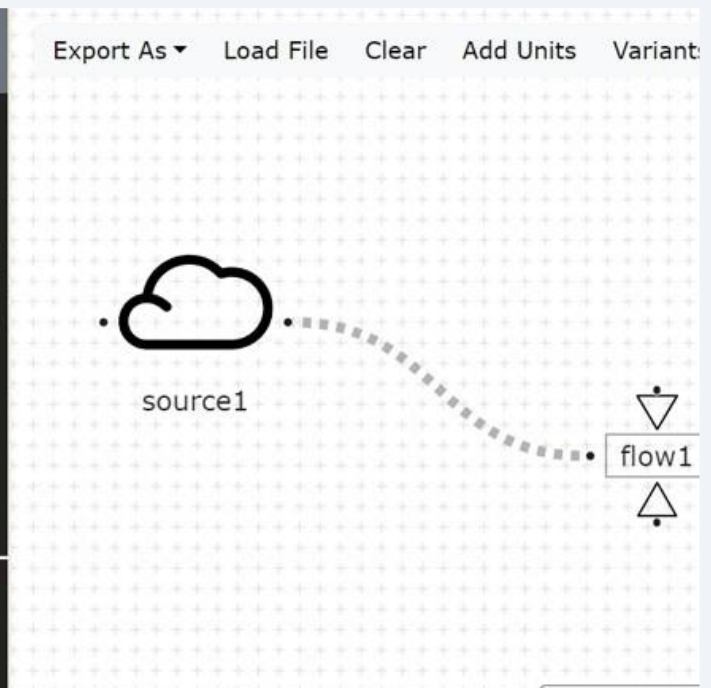
Enter Constant details

Select a Unit : none
Selected Unit : none

Add Constant

Cancel

Property Bar



### Add Element

#### Enter Constant details

const1

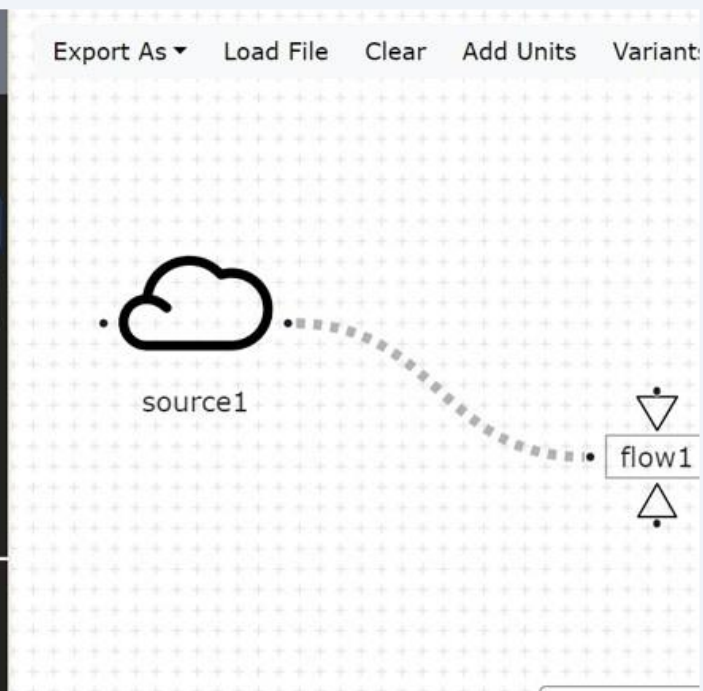
Enter value

Select a Unit : none

Selected Unit : none

Add Constant Cancel

#### Property Bar



### Add Element

#### Enter Constant details

const1

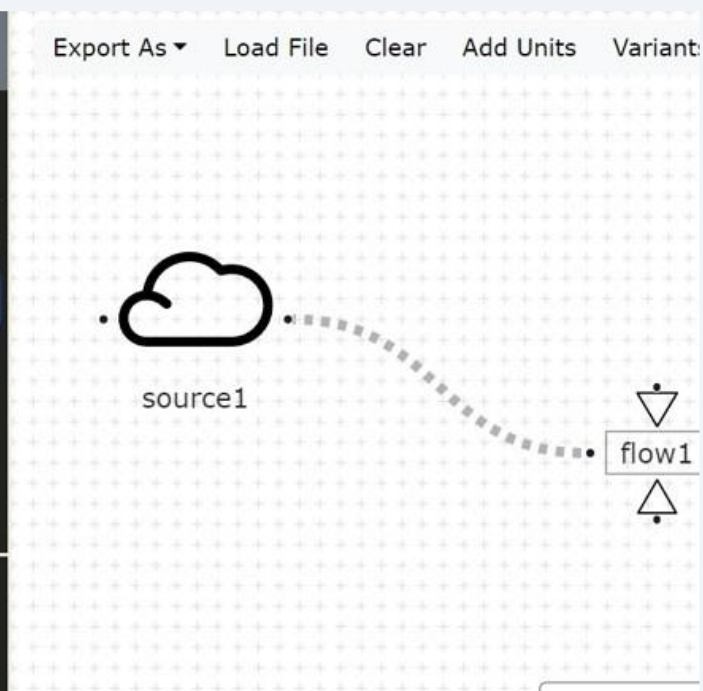
22

Select a Unit : none

Selected Unit : none

Add Constant Cancel

#### Property Bar



### Enter Constant details

const1

22

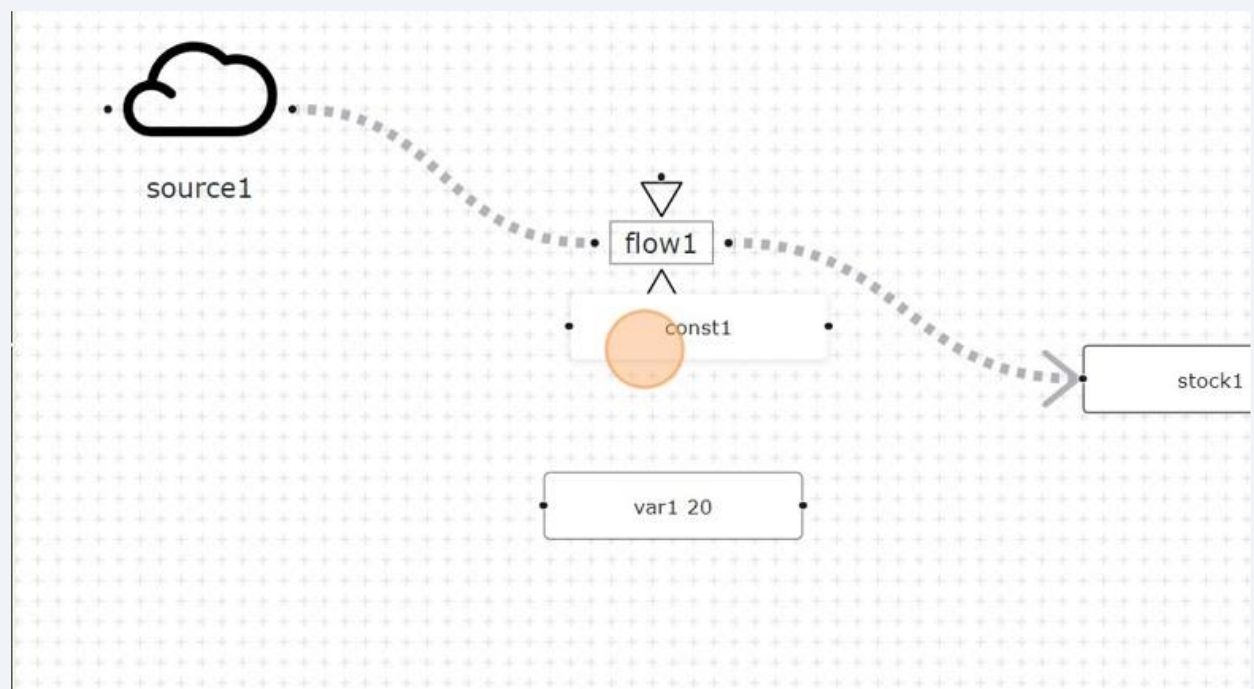
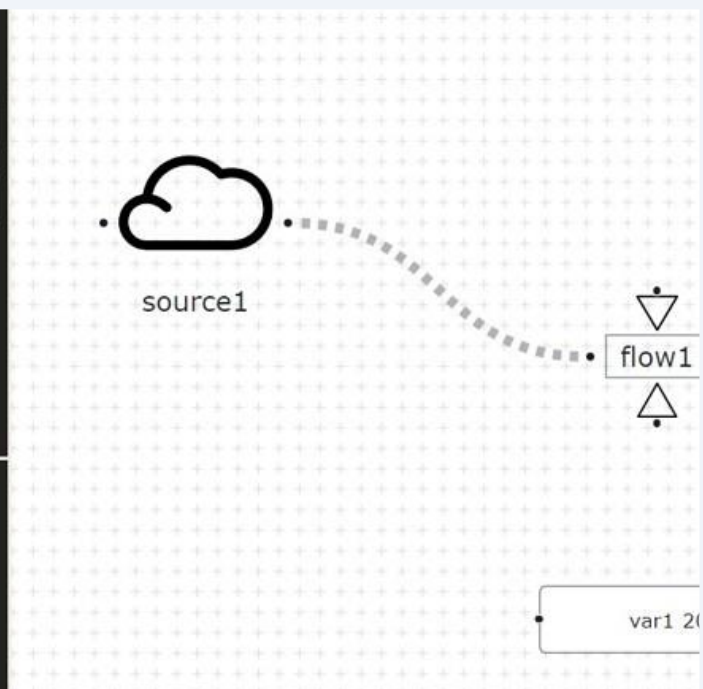
Select a Unit :

Selected Unit : kg

**Add Constant** **Cancel**

---

### Property Bar



### Enter Constant details

const1

22

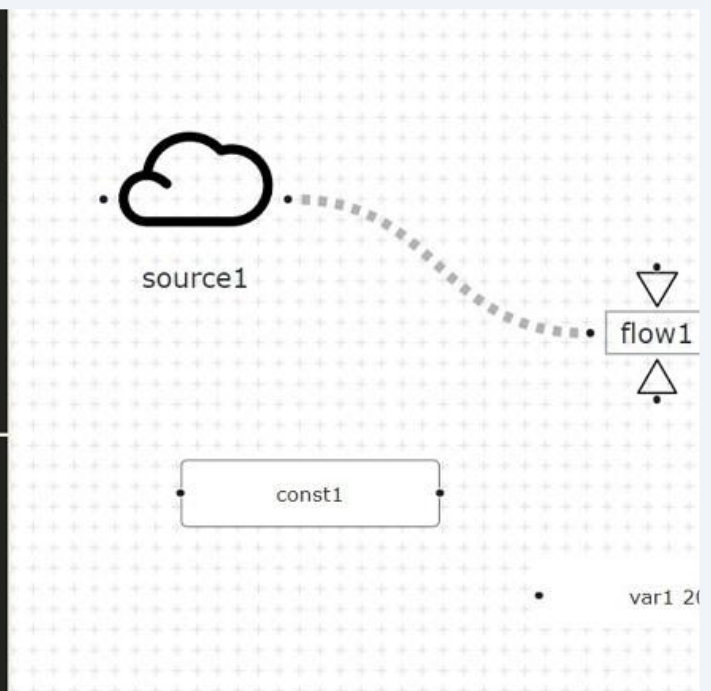
Select a Unit : kg

Selected Unit : kg

Add Constant Cancel

---

### Property Bar



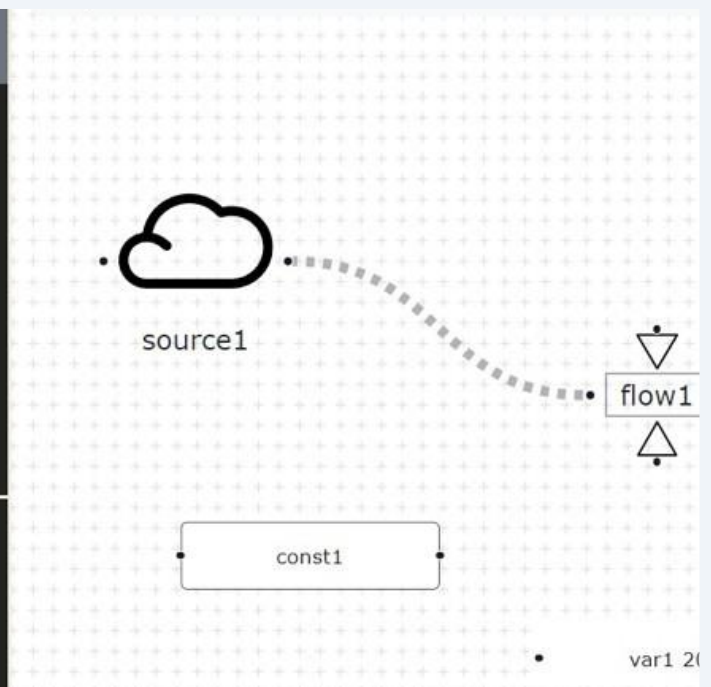
8

Click this **"LINK"** Icon button.  
 Then Click the **"ENTER LABEL NAME"** field.  
 Type any name you want to give to the Link for Example: **"LINK1"**.  
 Then Click **"SOURCE"** dropdown which is for selecting source of the Link.  
 Then Click **"TARGET"** dropdown which is for selecting Target of the Link.  
 Then Click **"ADD LINK"**  
 Your **LINK1** is on Screen now.

 Source	 Stock	 Flow
 Link	 Constant	 Variable

---

### Property Bar



### Add Element

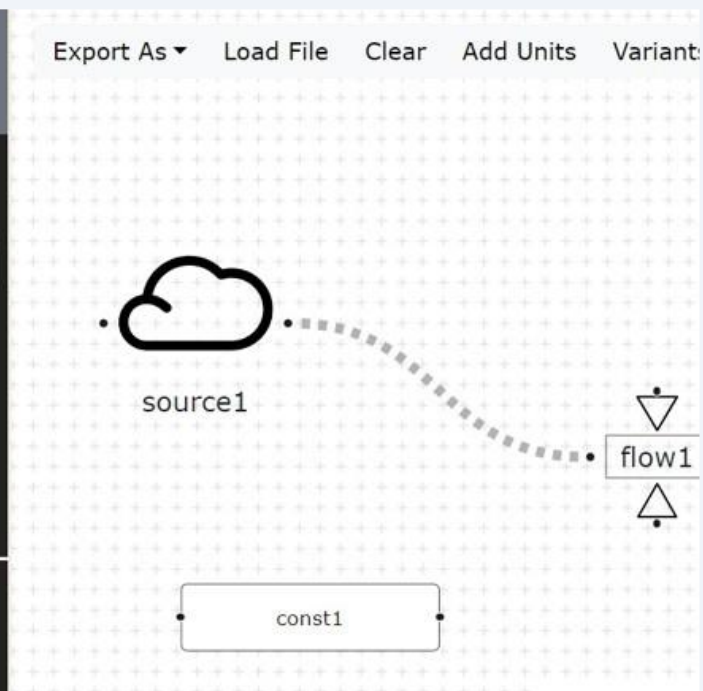
#### Enter Link details

Enter label name

Source:

Target:

#### Property Bar



### Add Element

#### Enter Link details

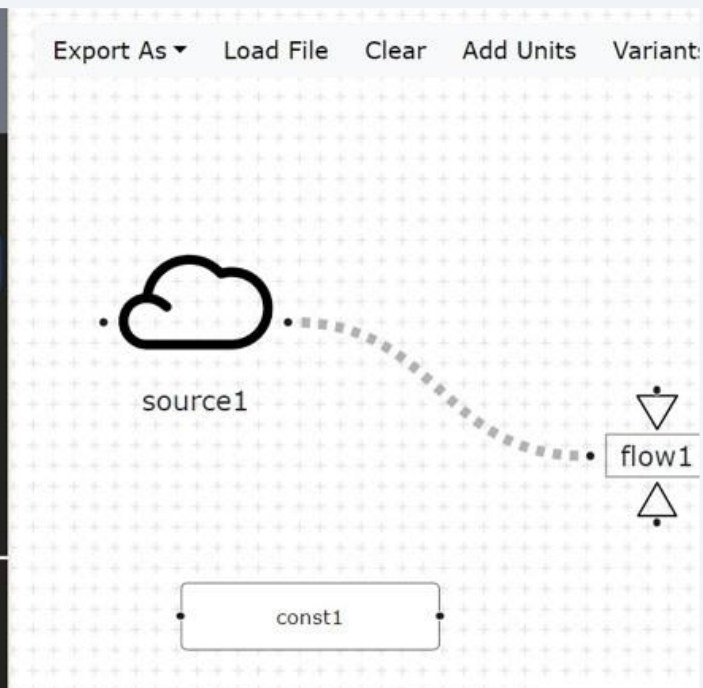
link1

Source:

Target:

stock1  
flow1  
var1 20  
const1

#### Property Bar





### Add Element

#### Enter Link details

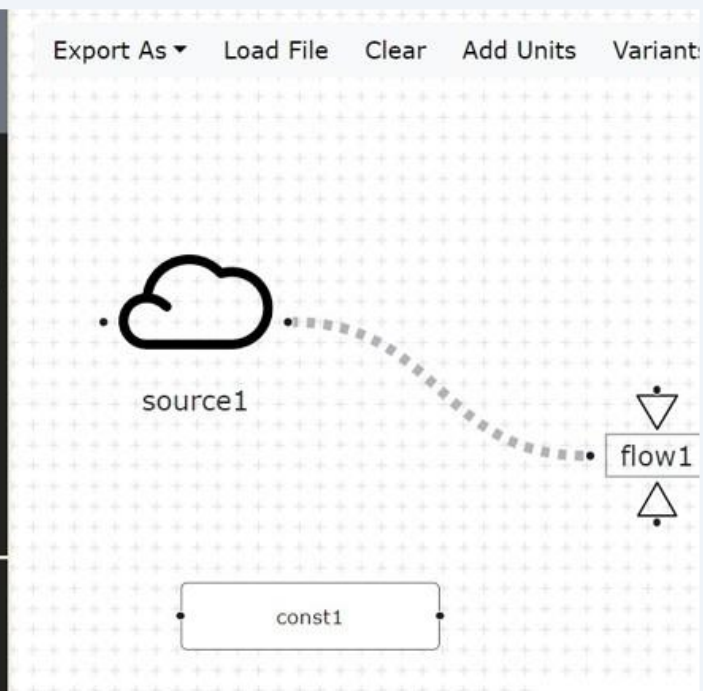
link1

Source: var1 20 ▾

Target: ▾

Add Link Cancel

#### Property Bar



### Add Element

#### Enter Link details

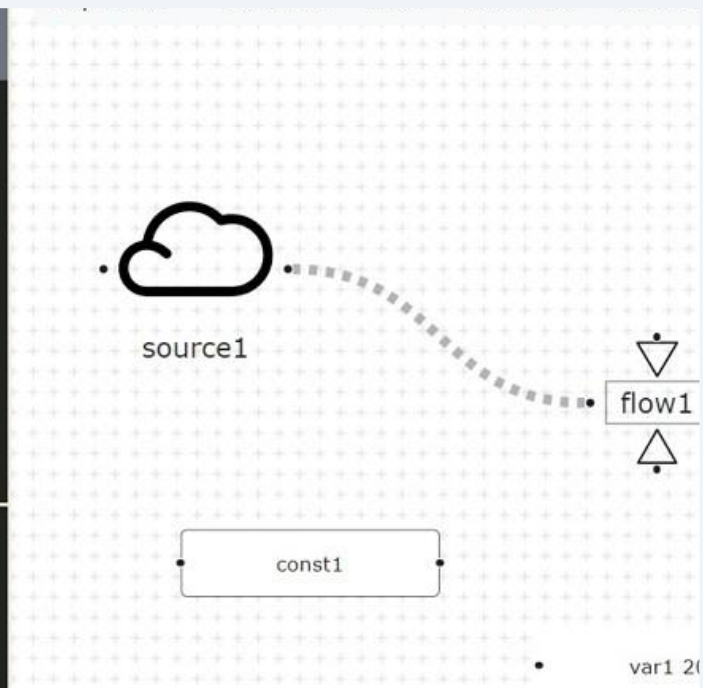
link1

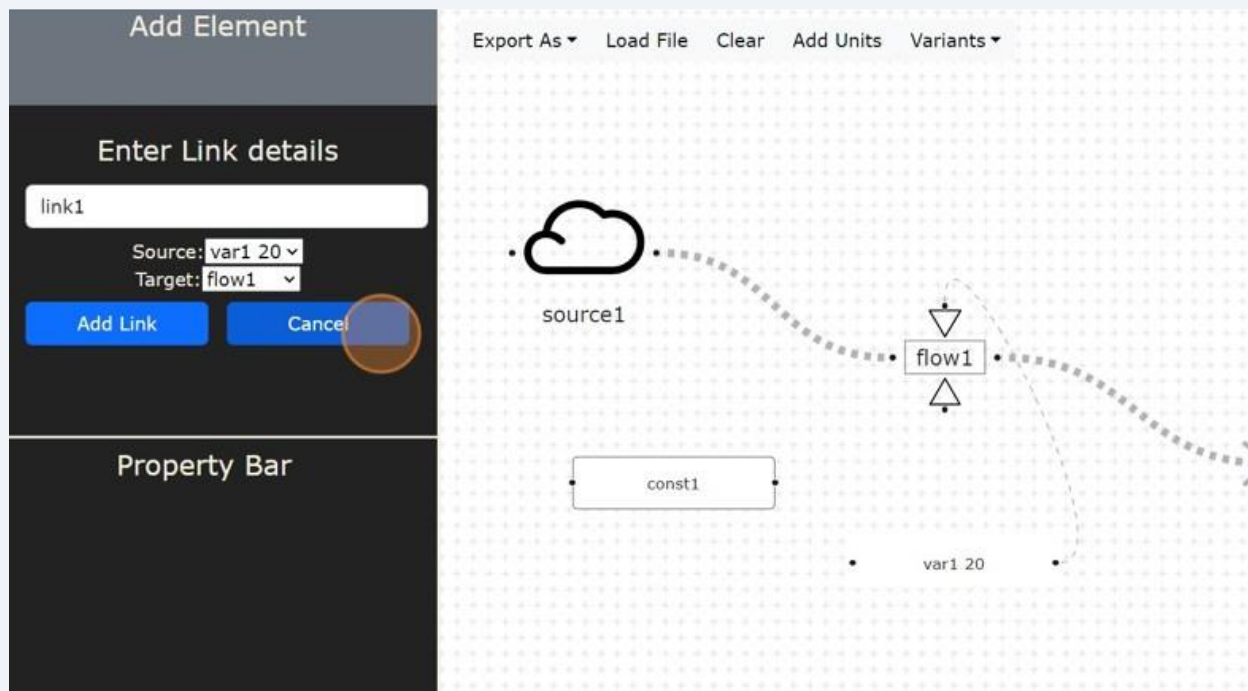
Source: var1 20 ▾

Target: flow1 ▾

Add Link Cancel

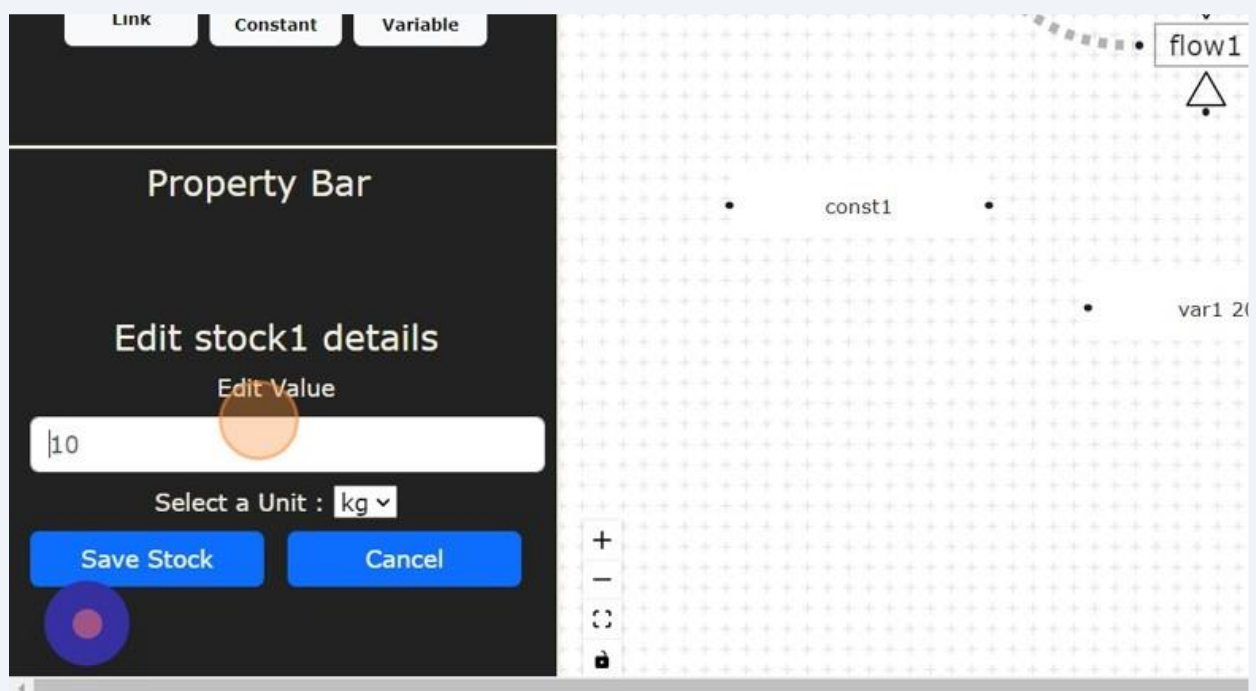
#### Property Bar

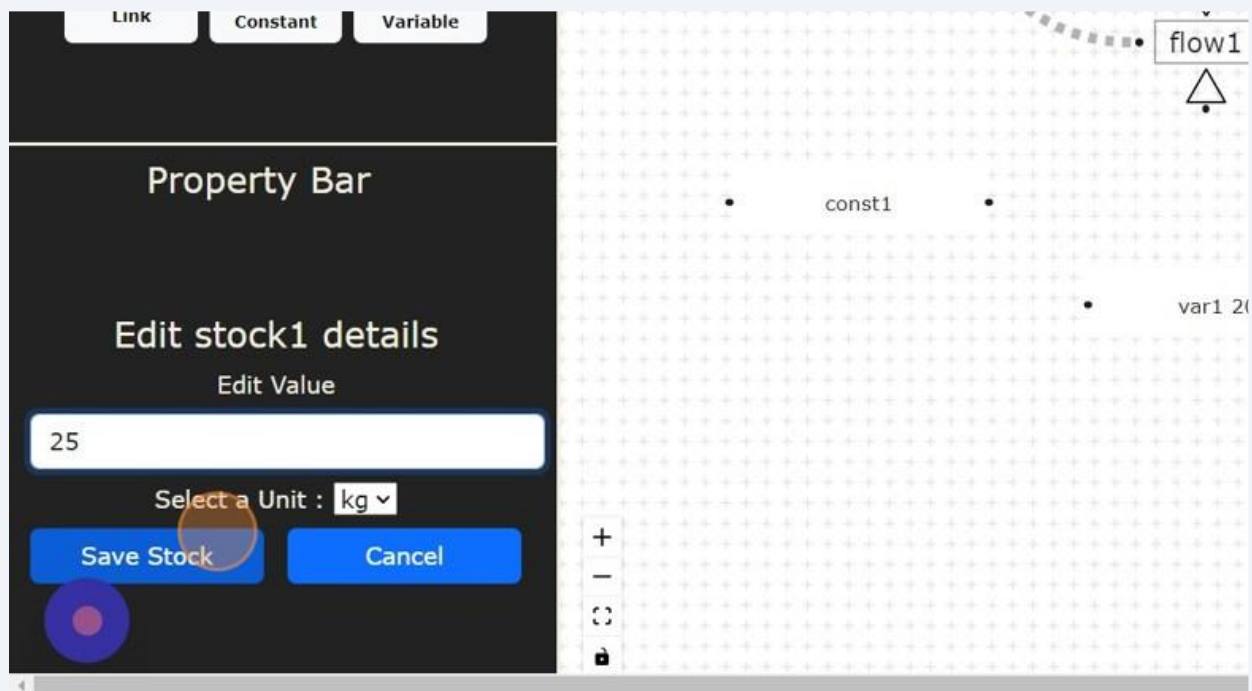




9

After creating Elements on canvas section screen if you want to edit its values just **"CLICK ON THAT ELEMENT"** you get Pop up in **"PROPERTY BAR"** **"EDIT VALUE"** and the **"SAVE"** it for further use.





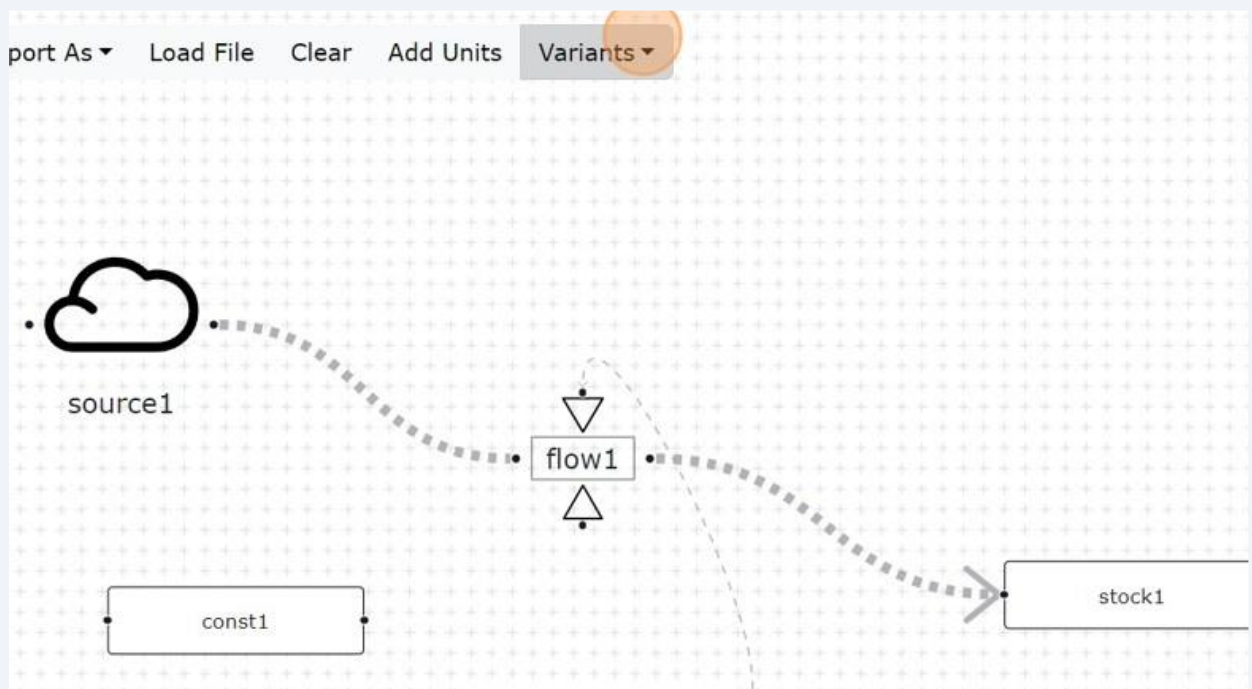
10

Click "**VARIANTS**" Dropdown Button which have 3 sections which change Background variants.

Click "**LINES**" Button to change background as lines. Click

"**CROSS**" Button to change background as cross. Click

"**DOTS**" Button to change background as dots.



Export As ▾ Load File Clear Add Units Variants ▾

dots  
lines  
cross



flow1

stock1

const1

Export As ▾ Load File Clear Add Units Variants ▾

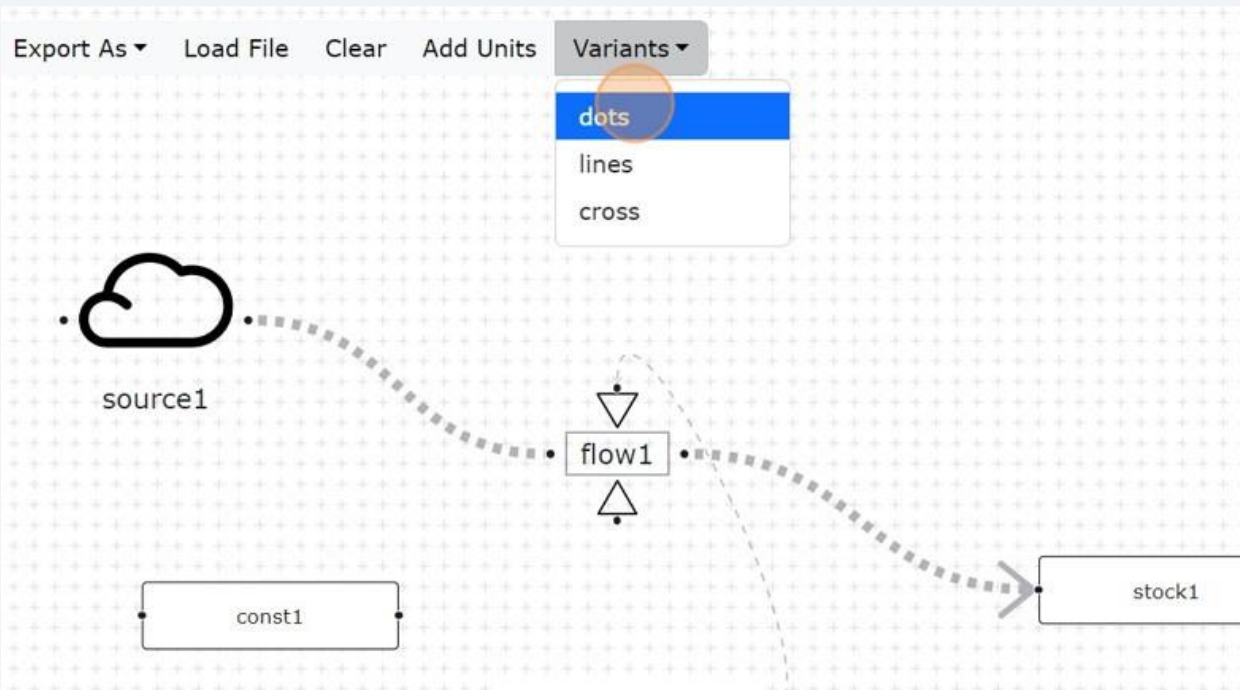
dots  
lines  
cross



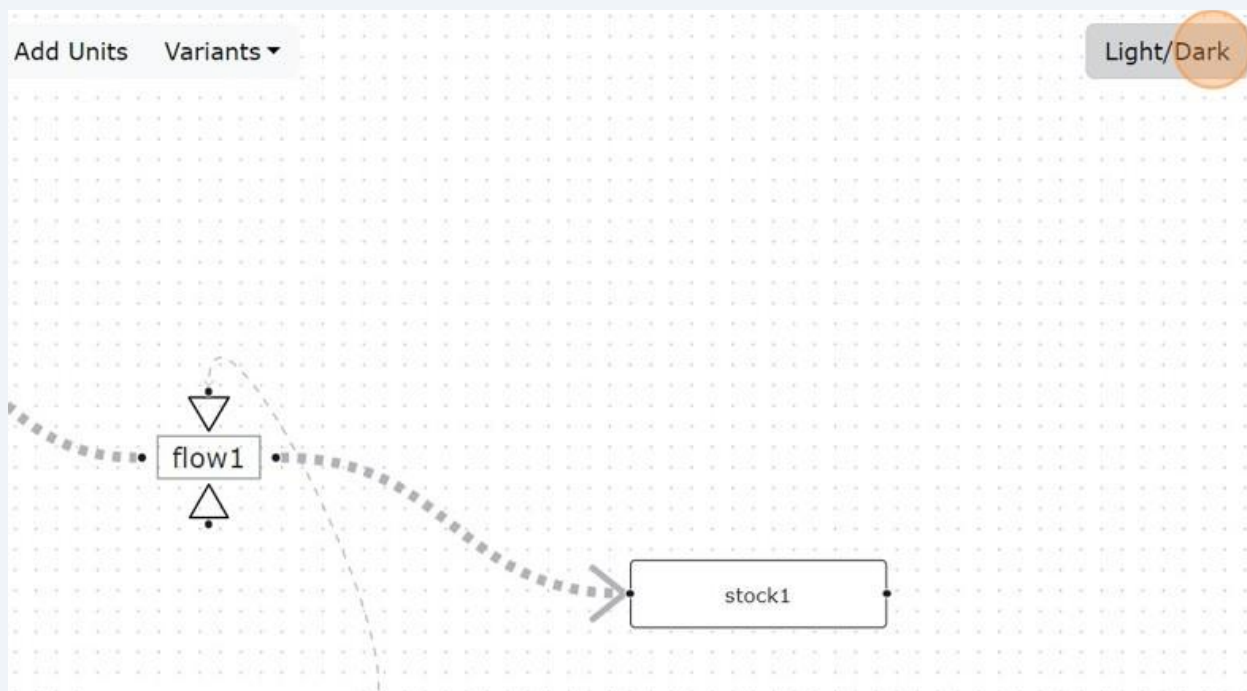
flow1

stock1

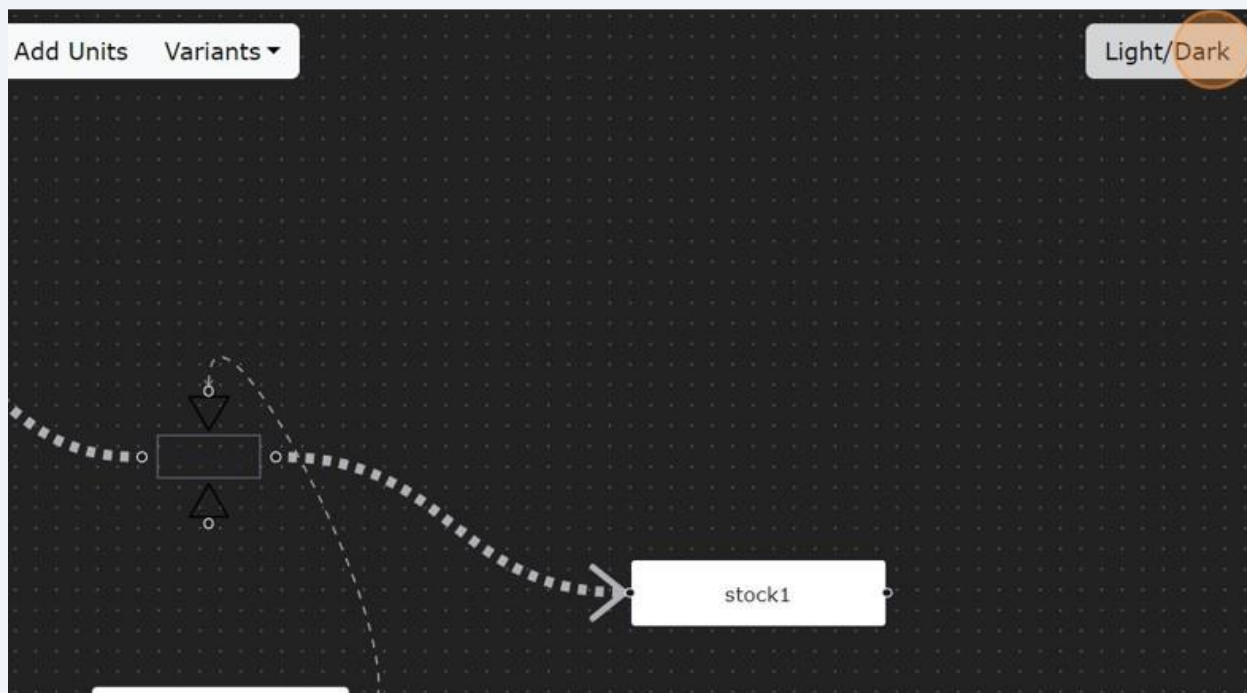
const1



- 11 Click **"LIGHT/DARK"** Button which changes the Theme of the Canvas section screen from light to dark and vice-versa.







12

This is "**CONTROL**" which has 4 sections which represent functionality on the canvas section screen :

Click this "+" icon Button to Zoom In.

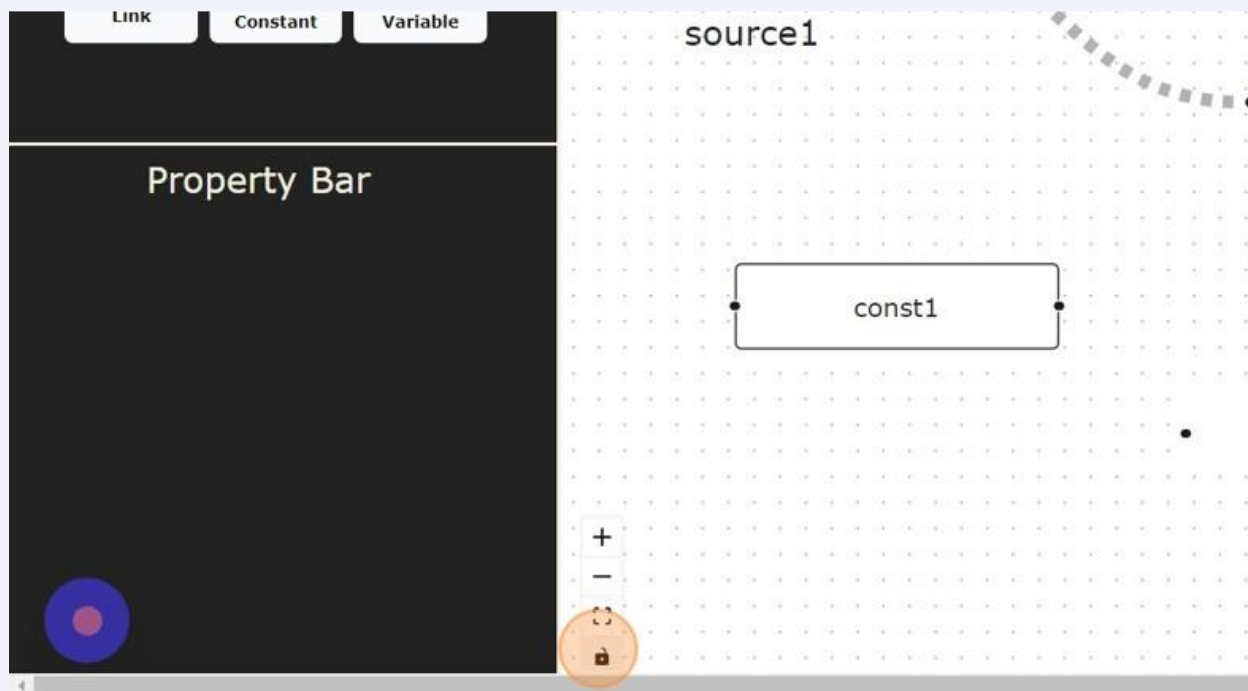
Click this "-" icon Button to Zoom Out.

Click this "[[ [ ] ]]" icon Button to Fit View.

Click this "**LOCK**" icon Button to Lock.

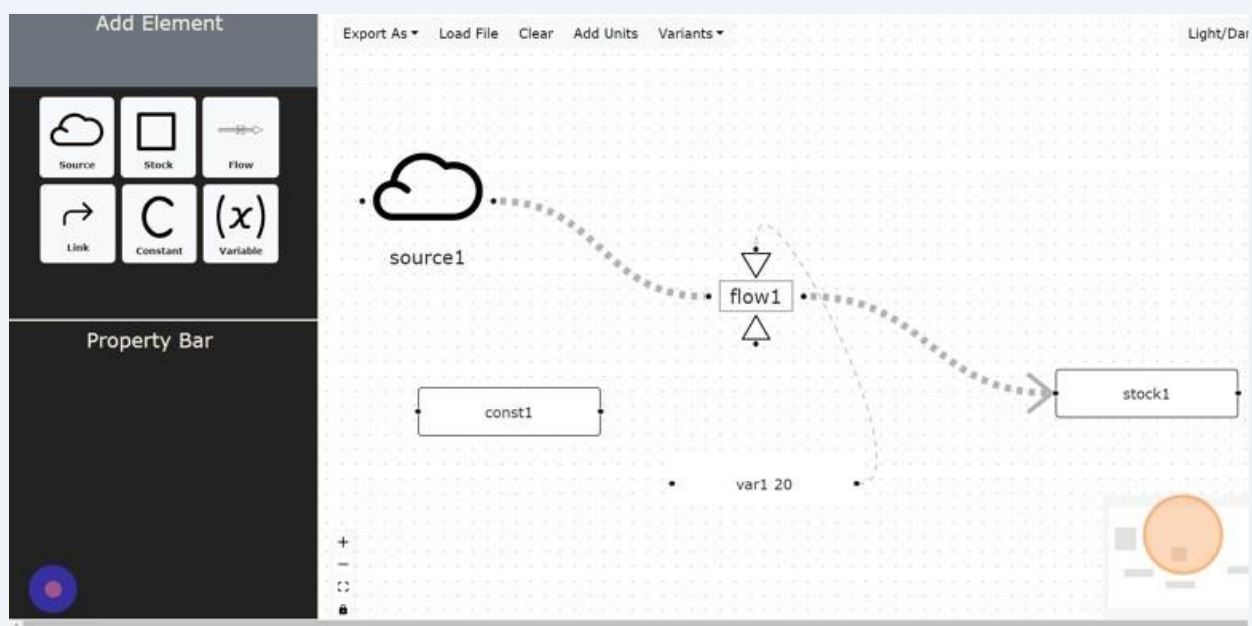






13

Click this Right Corner **"MINIMAP"** you can visit to overall canvas section screen on single click without much drag and scroll.



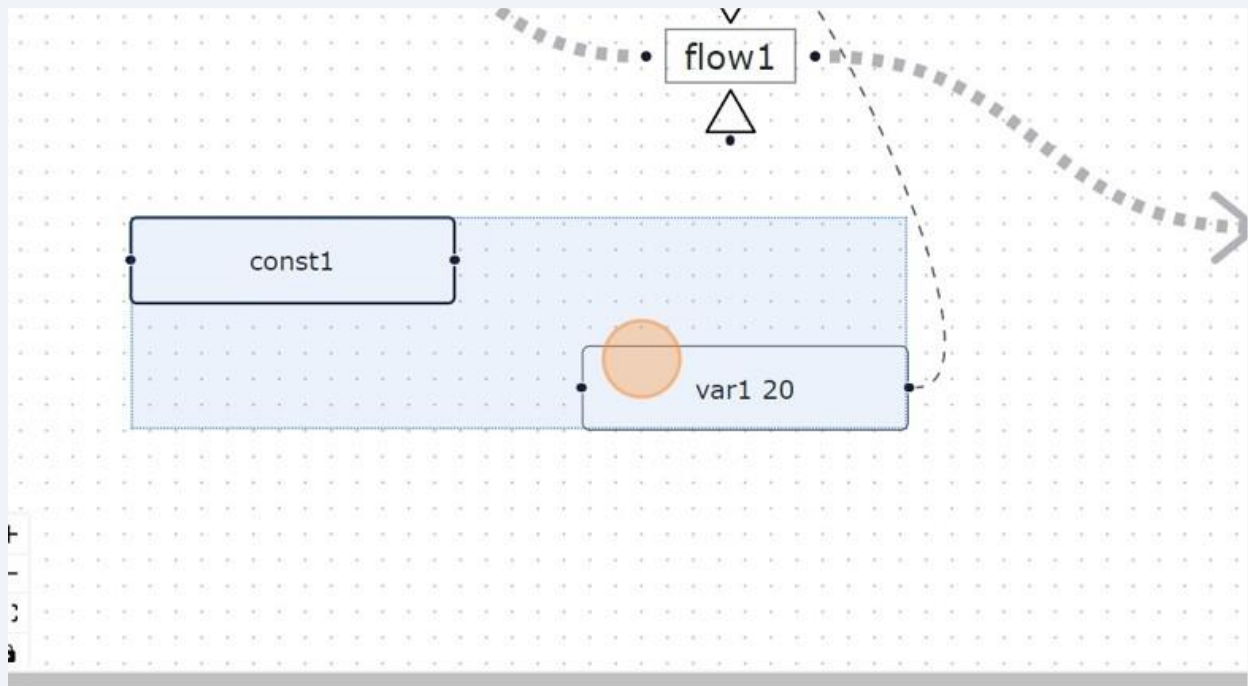
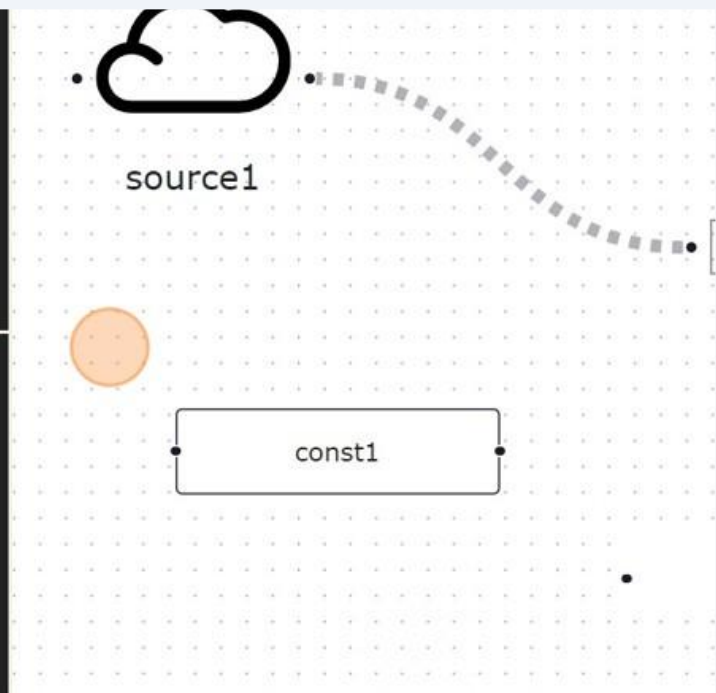
14

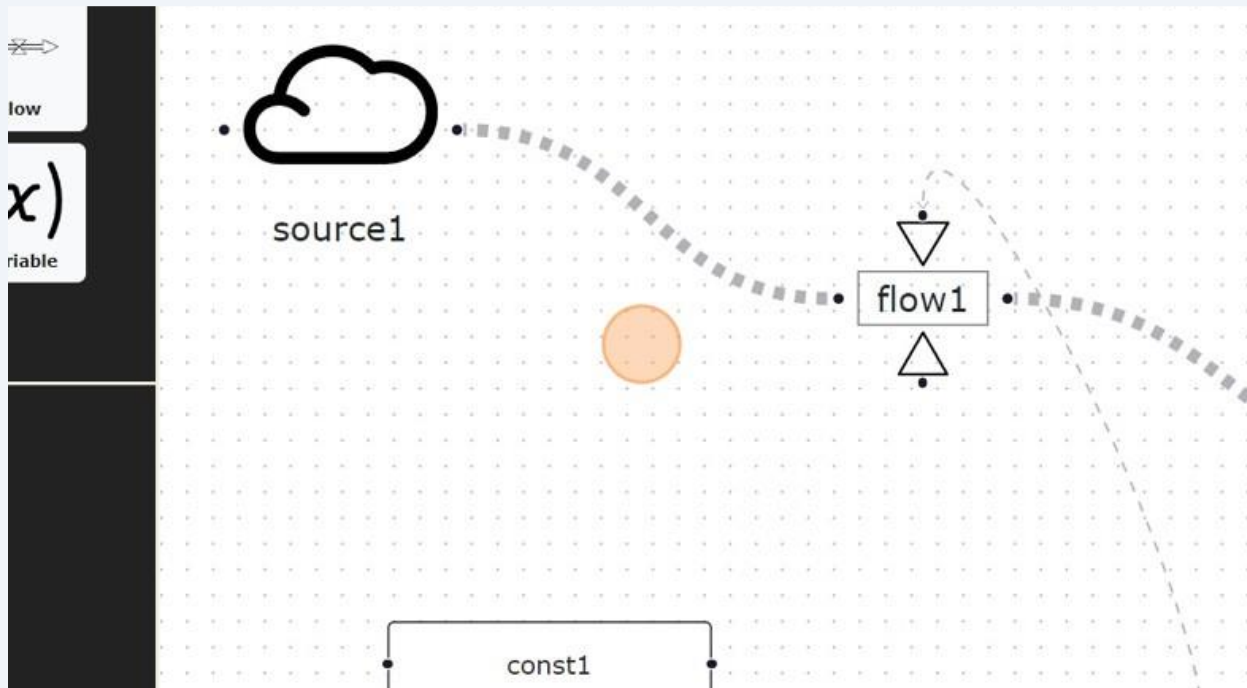
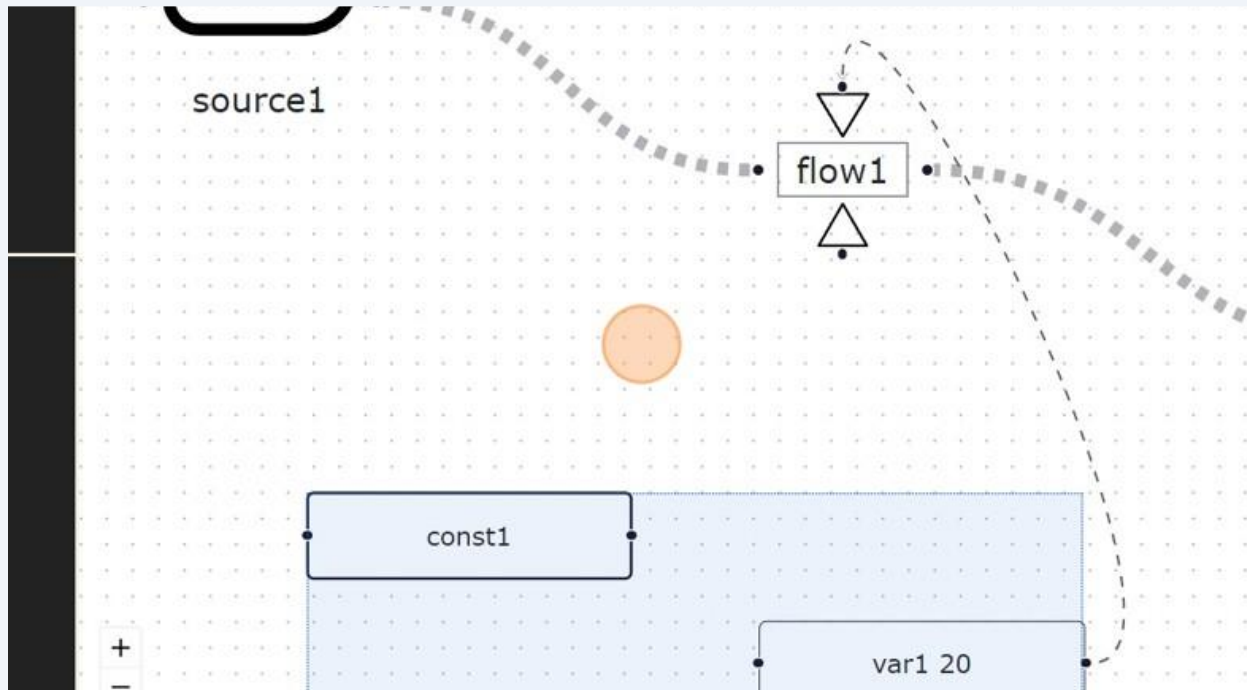
Here on Click **"RIGHT MOUSE"** Button you can select the any portion of the Model and drag to the place where you want to place it. And then on Click **"LEFT MOUSE"** Button you can drag the background of canvas section screen.

Source Stock Flow

Link Constant Variable

Property Bar

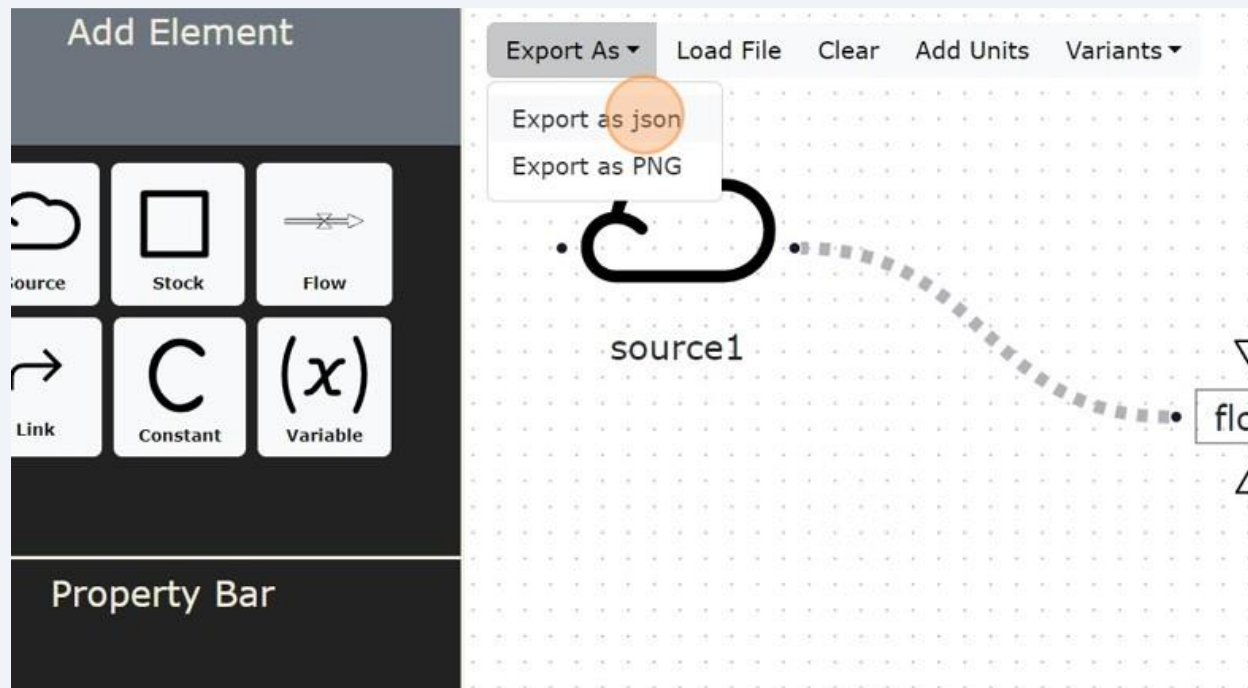
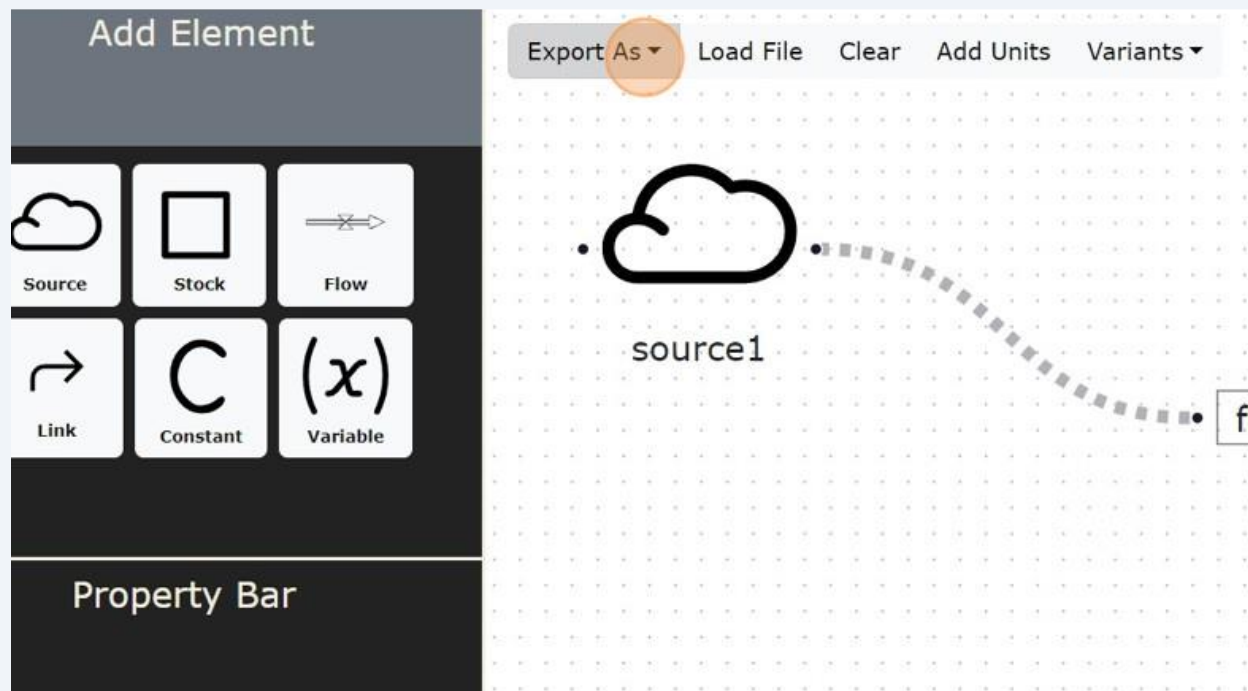


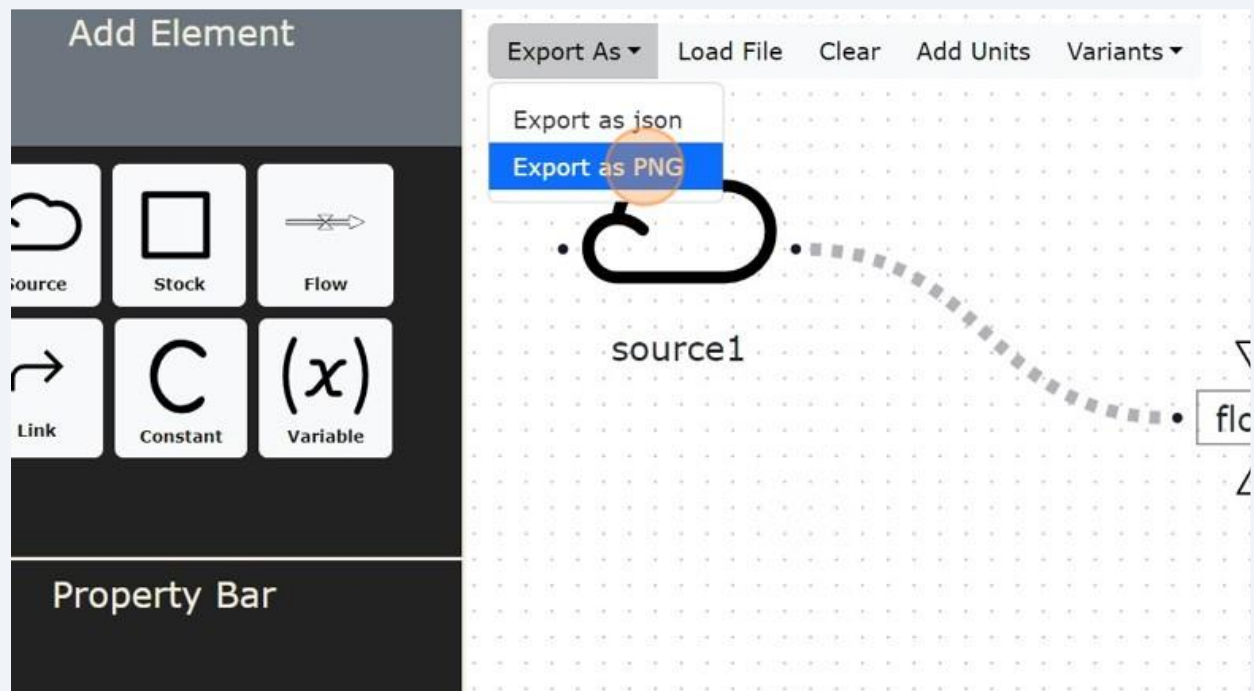


15

Click **"EXPORT AS"** Dropdown Button :  
 Then Click **"EXPORT AS JSON"** to Export the Model as JSON file.  
 Then Click **"EXPORT AS PNG"** to Export the Model as PNG file.





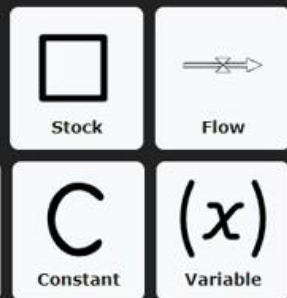


16

Click "**CLEAR**" Button to clear the canvas section screen of the stock and flow model.  
 Click "**LOAD FILE**" Button to Load JSON file which renders the JSON based stock and flow model on canvas section screen.  
 Now on Click any Element in Model you can Edit that and "**RESTRUCTURE**" Previous Loaded Model



## Add Element



## Property Bar

Export As ▾

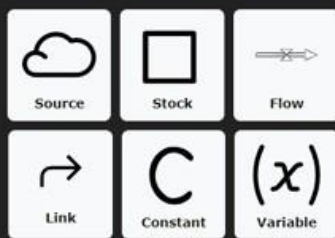
Load File

Clear

Add Units

Variants ▾

## Add Element



## Property Bar

Export As ▾

Load File

Clear

Add Units

Variants ▾



flow1

const1

