

# Documentation on Elsa Workflows

Workflows in Elsa can be defined in two ways:

Programmatically: By writing .NET code, developers can define complex workflows tailored to specific business needs.

Visually: Using the built-in designer, non-developers or those who prefer a visual approach can create and modify workflows with ease.

For designing Workflows visually, we need to setup the built-in designer.

We need to setup two things:

1. Elsa Studio
2. Elsa Server

From here you can Clone Elsa Studio and Elsa server. Branch Link:

[<https://github.com/smartdusttechnologies/CookWithUsApp/tree/ElsaWorkflows>]

And if not working you can go to the Elsa Workflows official documentation to setup studio and server.

Link: <https://v3.elsaworkflows.io/>

Here you can learn all the necessary things about Elsa Workflows.

And if you face any problem in running the server or studio because the versions are always updating

Here is the official discord server of Elsa Workflows

Discord Link: <https://discord.com/channels/814605913783795763/814605914212270101>

In general section you can ask your questions.

After Running Elsa server and studio, Let's design some workflows.

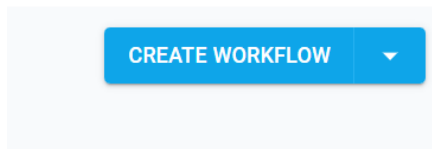
I will recommend a video, watching this you can create some basic workflows.

[<https://youtu.be/Kp1Jx0M7pAk?si=OBy35cRY1EUKw-zQ>]

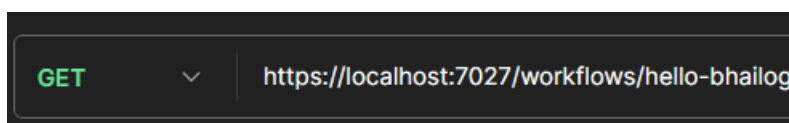
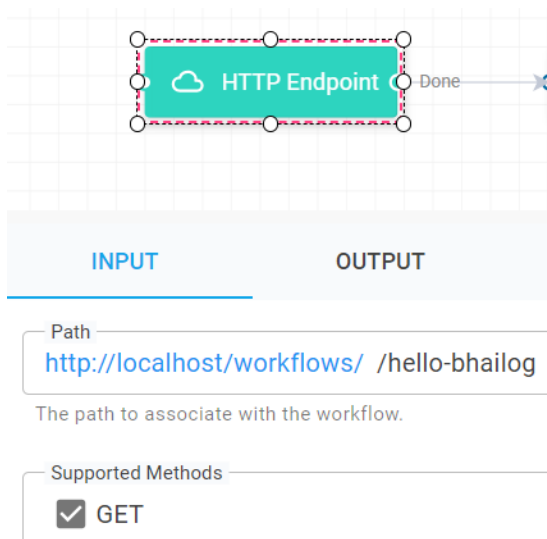
After watching the video you can see the Example workflows which I have created, It is in json format and in the same branch:

<https://github.com/smartdusttechnologies/CookWithUsApp/tree/ElsaWorkflows/WorkflowExamples>

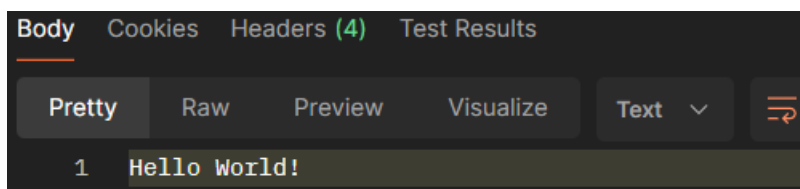
To create workflow from json format. Go to Elsa Studio Click on the dropdown on the Create workflow Button and import and then select that json workflow file. Your workflow will be ready.



To invoke a workflow which starts with a HTTP Endpoint you need to give it a unique path and go on postman to invoke it



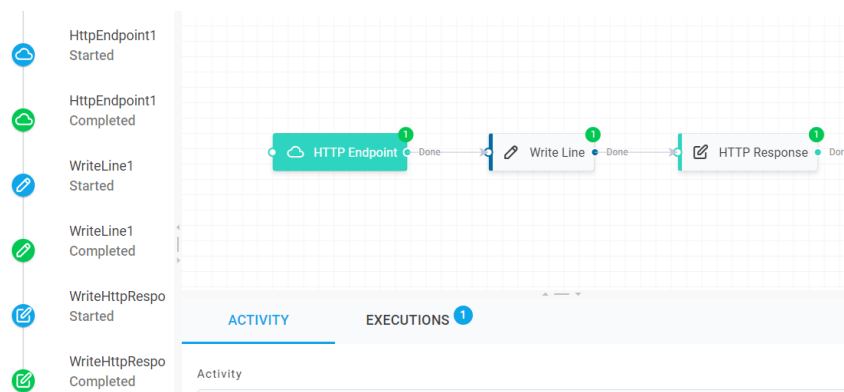
In postman You have to select HTTP method (Get or Post) and you have to give port on which Elsa server is running (Elsa server and Elsa studio both are running on different port) then /workflows and then /uniquepath that you have given in the studio.



Then you will get the response back that you have set in the HTTP Response Activity

And if your activity is not giving response that you have set or it is giving an error.

You can see in the instances that which activity fails and which passed



In Elsa, variables play a crucial role as containers for storing and retrieving data throughout a workflow's lifecycle. They facilitate the transfer of data between activities and serve as storage for data utilized by these activities.

You can use the variables at various points in whole workflow while storing data or sending it as a response

+ ADD VARIABLE

Name	Type	Storage	
FoodData	Object	Workflow	⋮
CurrentDeliveryPartner	String	Workflow	⋮

In the example workflows above you can see the examples

I think now you have a basic idea of how we can create basic workflows using Elsa.  
Now you can enhance your workflow as per your need.

You can see Elsa official documentation for more clarity on any particular Activity or feature.

Link: <https://v3.elsaworkflows.io/>