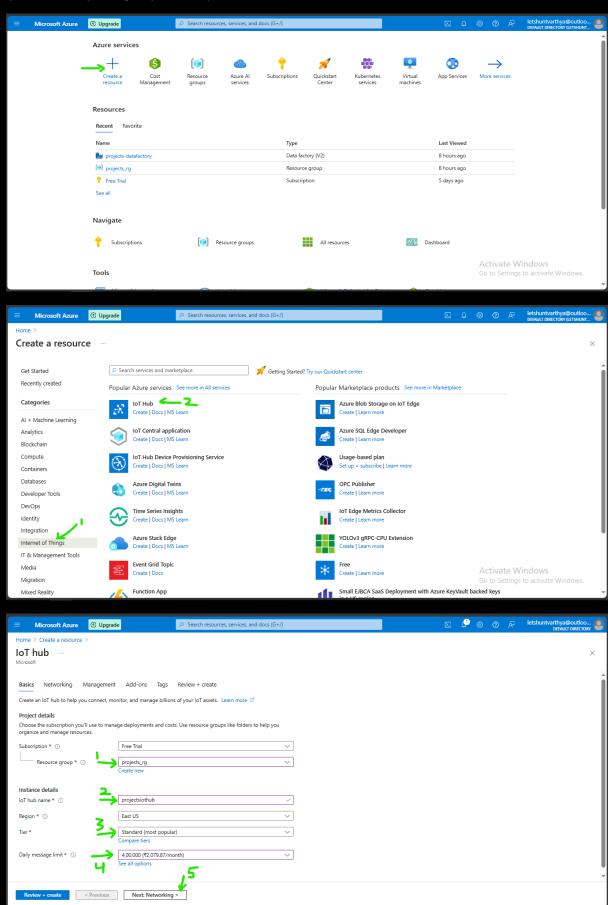
- Storage which support Azure streaming analytics
 - Event Hub
 - o IOT Hub
 - o Adls

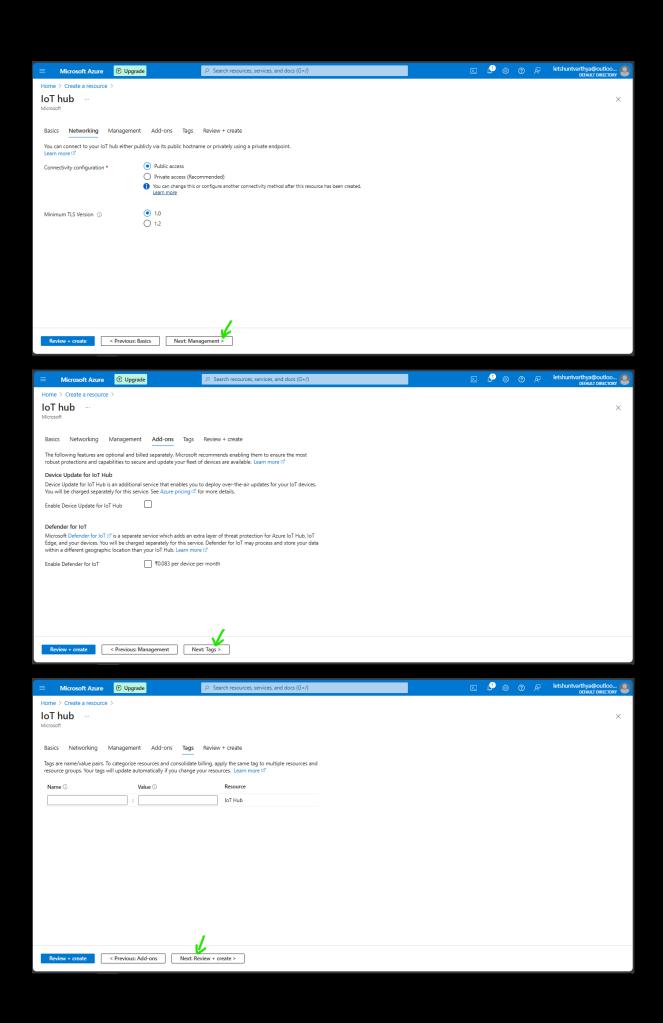
IOT Hub to data lake using azure streaming analytics:

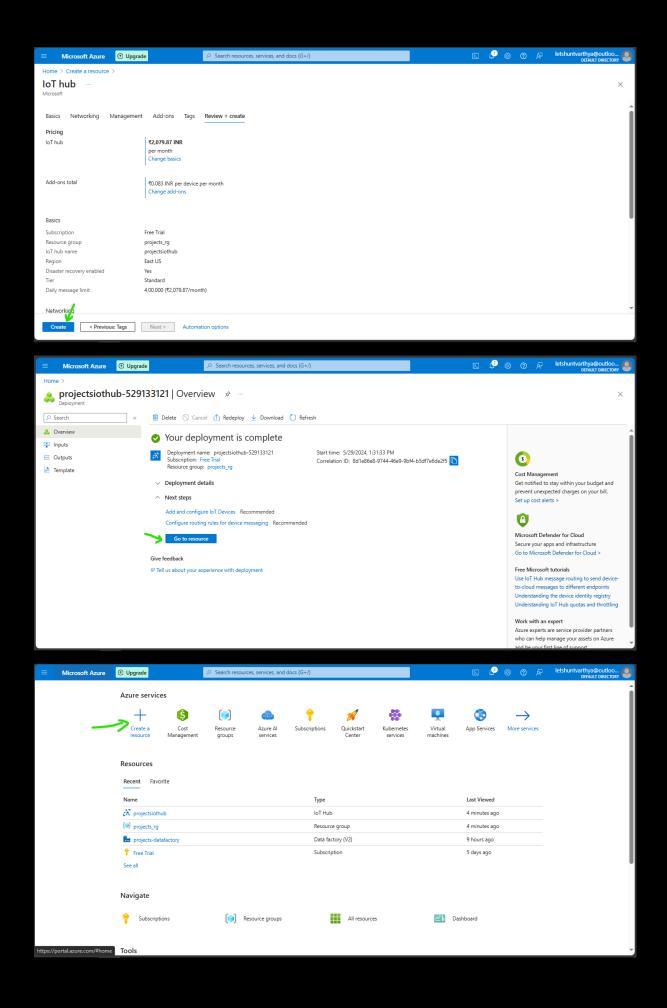
Streaming pipeline steps:

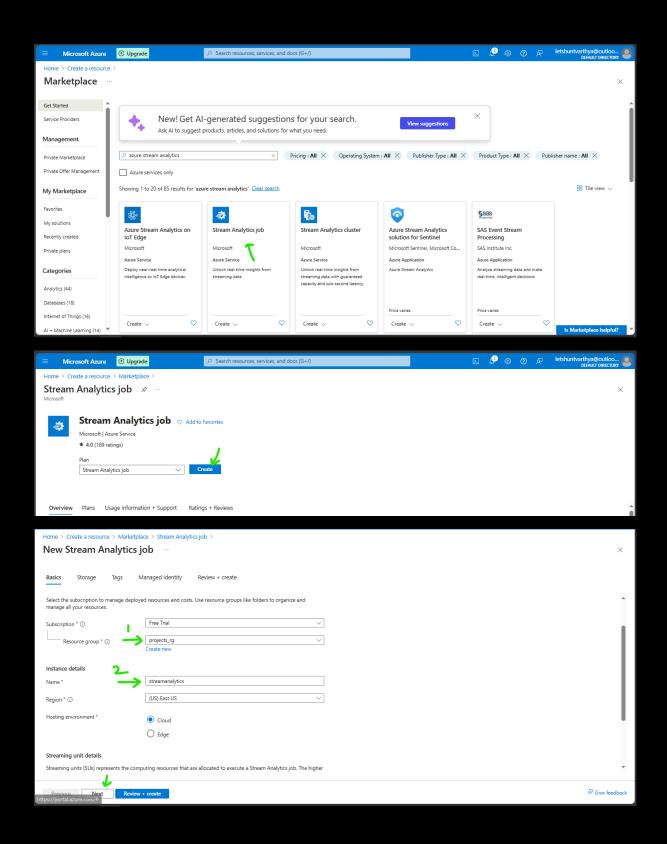
- 1. Create IOT Hub service (captures input data)
- 2. Device IOT Data (data from device)
- 3. Live data (keep on getting data every 15 secs)
- 4. Processing streaming data (Azure Streaming Analytics)
- 5. Analyse the output

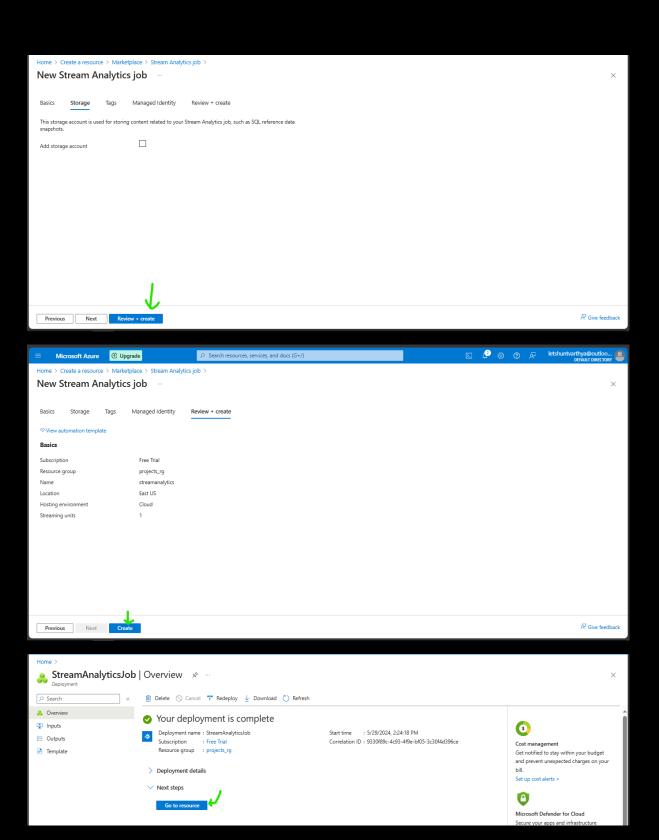
Create a IOT HUB Service:





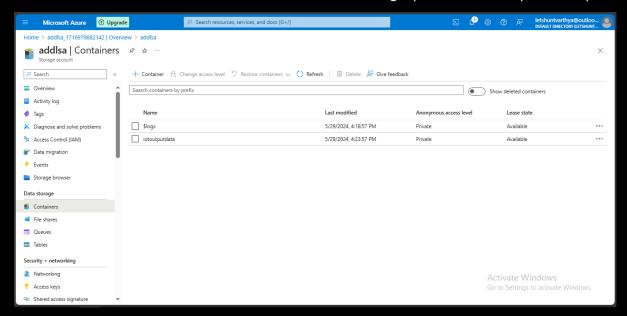




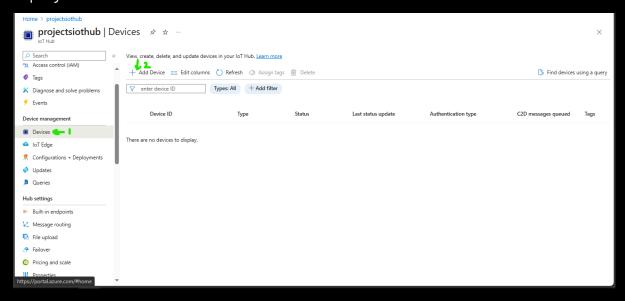


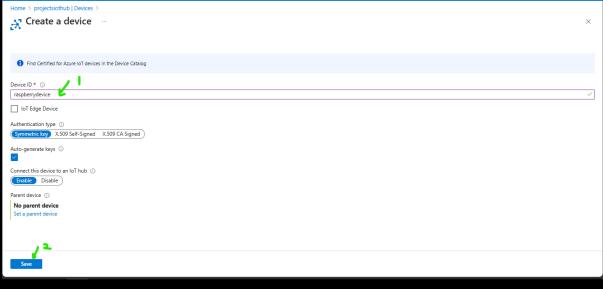
Azure data lake storage creation:

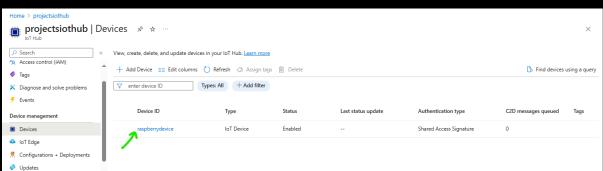
- How to create azure data lake storage is shown in the document below.
- https://docs.google.com/document/d/1Gyz7yN9HDF7d_i6wM_i9ph0Z0PNi KP_FLgPfRJshs_A/edit?usp=sharing
- Create a container in azure data lake storage (name : iotoutputdata)

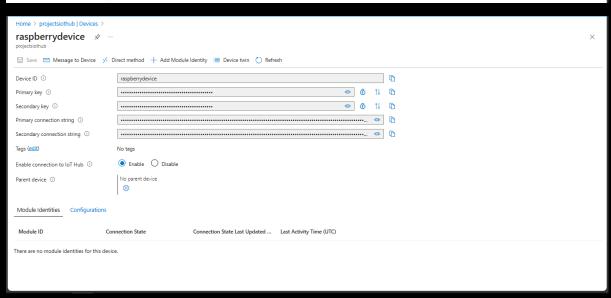


In projectsiothub →



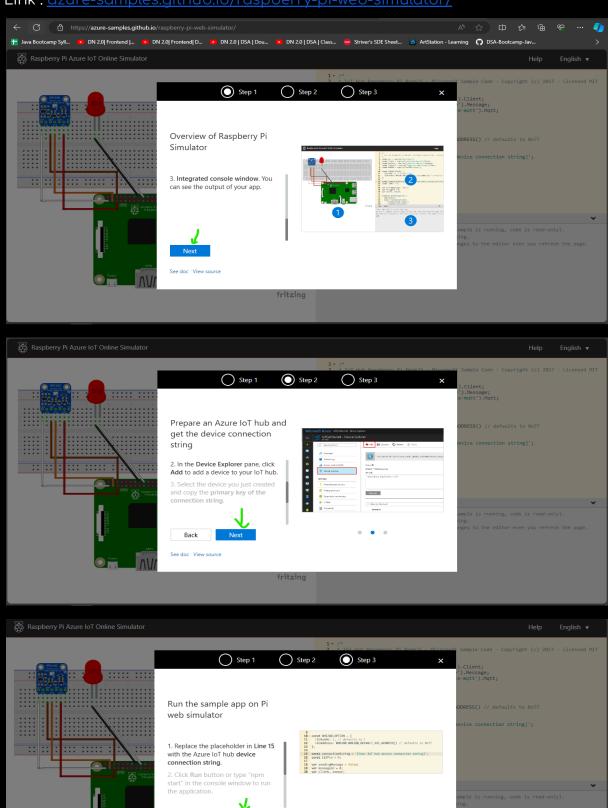




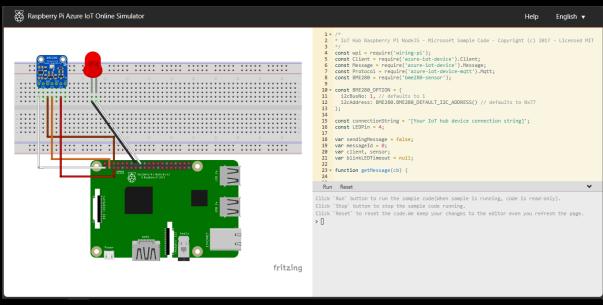


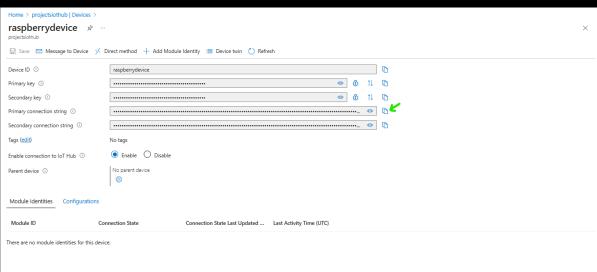
Oen Azure IOT Online simulator in new tab

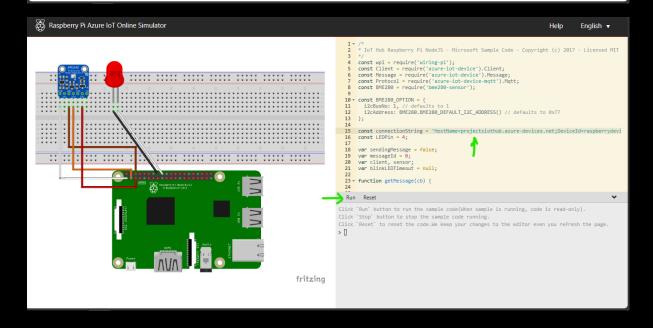
Link: <u>azure-samples.github.io/raspberry-pi-web-simulator/</u>

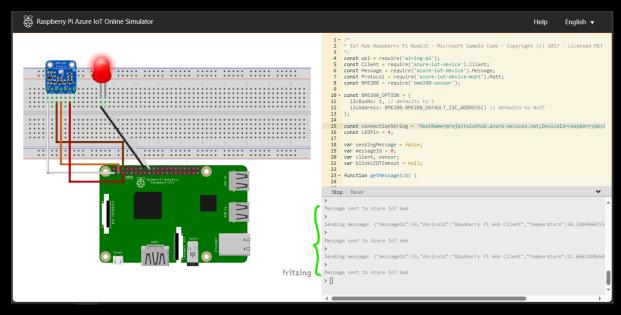


See doc View source

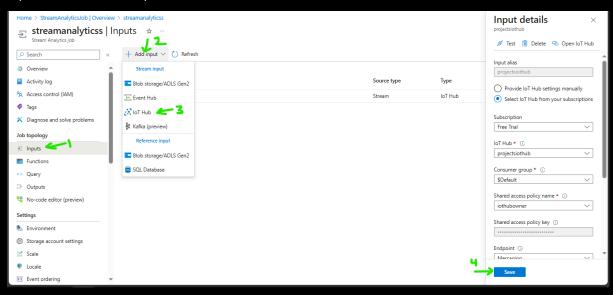


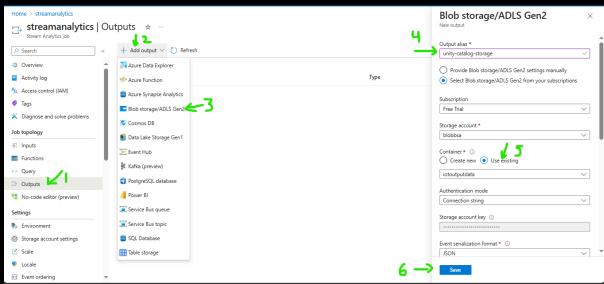


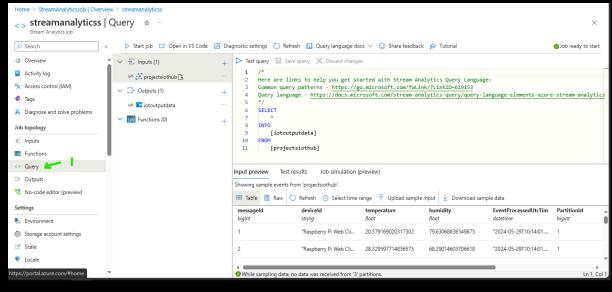




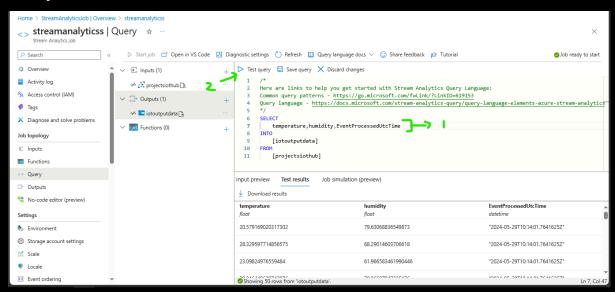
Open stream analytics

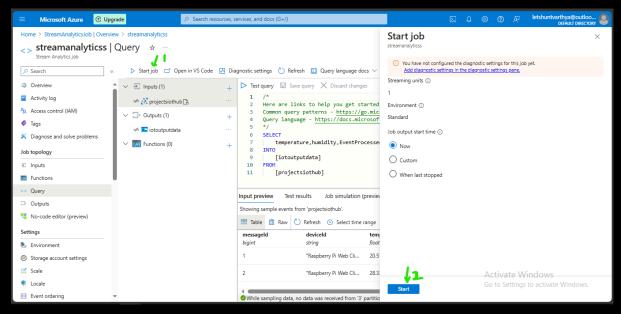


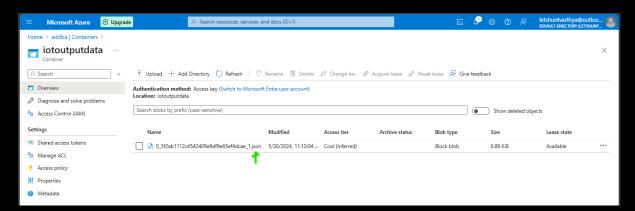




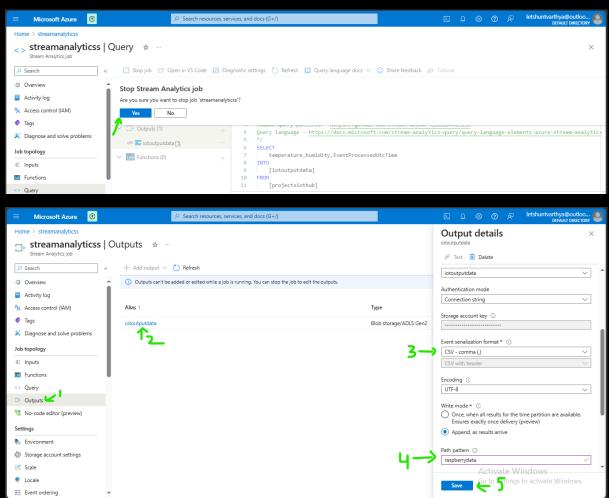
Start job -> start



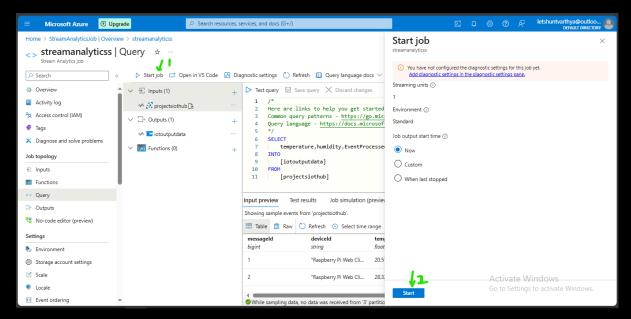




We can see that output is in json format. Let's change it to csv. To edit iotouptput details in outputs we need to stop the job.



Delete the files in iotoutputdata container which is in azure data lake storage. Start the job.



Here, we can see the output is in csv format.

