Azure streaming analytics(Input , Output, Query)

Raspberry pi online Simulator

Blob Storage

IOT HUB

Device

Steps to get and process the live data:

1. Create IOT hub – cloud platform to connect to external devices
2. Create a device in IOT which provides the connection string to connect the live data device to cloud.
3. Create Stream Analytics
4. Create a storage account
5. Create a blob storage account
6. Get live data from raspberry pi motherboard computers(raspberry pi online simulator) <https://azure-samples.github.io/raspberry-pi-web-simulator/>
7. Copy the primary connection string of the device created in IOT and paste it in the raspberry simulator connection string.
8. Then run raspberry code, light will be one, live data will be shared to Azure.
9. Create input, output in streaming analytics.
10. In the input, assign the IOT device
11. Check the query, it will auto fetch the data through IOT and populate.
12. Create output and assign it to container(blob), select the format of the file to be stored(csv,json)
13. Now, Check the query, it will have created the query (select \* into output from input)
14. Start job in the query window, Live data will be captured and stored in a file in BLOB based on the message limits given while IOT is created.

Note: IOT is to connect to external device

Streaming analytics is to get the live data thru IOT, then process and store it in cloud.

































