Step 6 Consume Data from IoTHub in Azure

IoTHub supports several ways to consume data.

IoTHub Client SDK

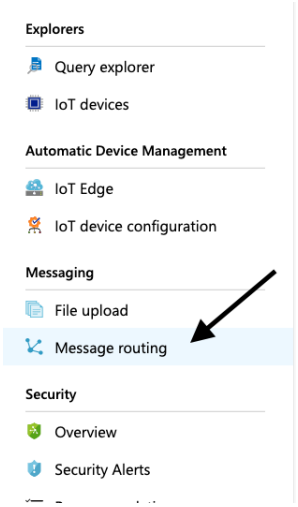
IoTHub provides you with a client libraries for all major languages to push and pull data from IoTHub see the link for more information: https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-sdks

Azure Cloud Services & BloB Storage

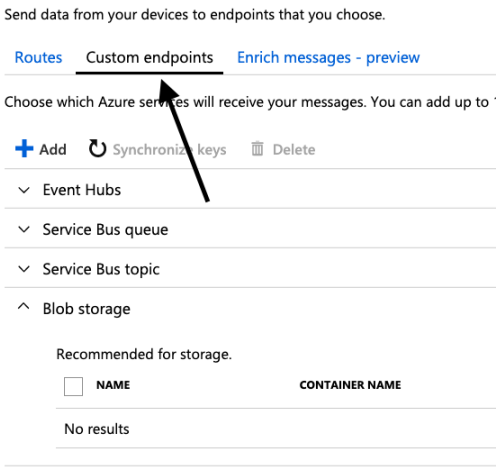
IoTHub has full integration with all major Azure Cloud services, in this section we will focus on **BloB Storage**.

AzureBlobStorage is a scalable, cost-effective cloud storage for all your unstructured data. Pay only for what you use, and save money compared with on-premises storage options. Choose from among four storage tiers, depending on how often you'll access the data. Store performance-sensitive data in Premium, frequently accessed data in Hot, infrequently accessed data in Cool, and rarely accessed data in Archive.

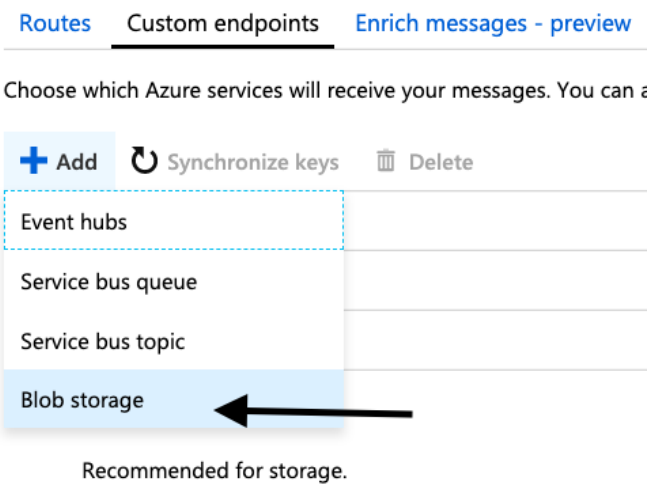
1. Go to your Azure Portal and click on on your IoTHub.
2. In the left click on **Message Routing**.



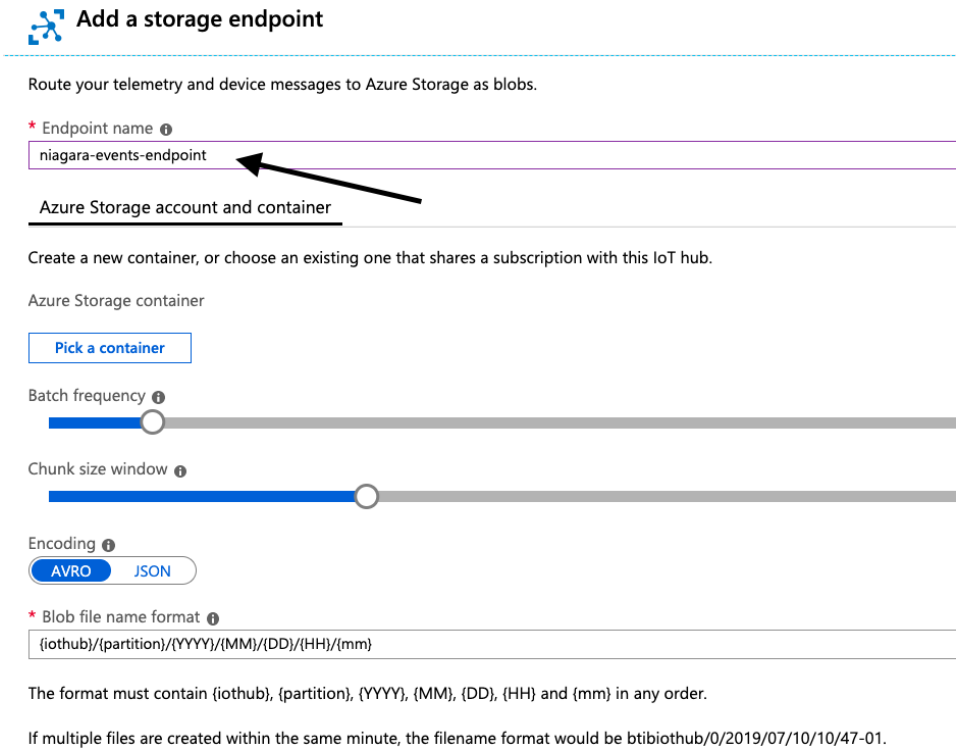
3. Then on the Custom endpoints tab.



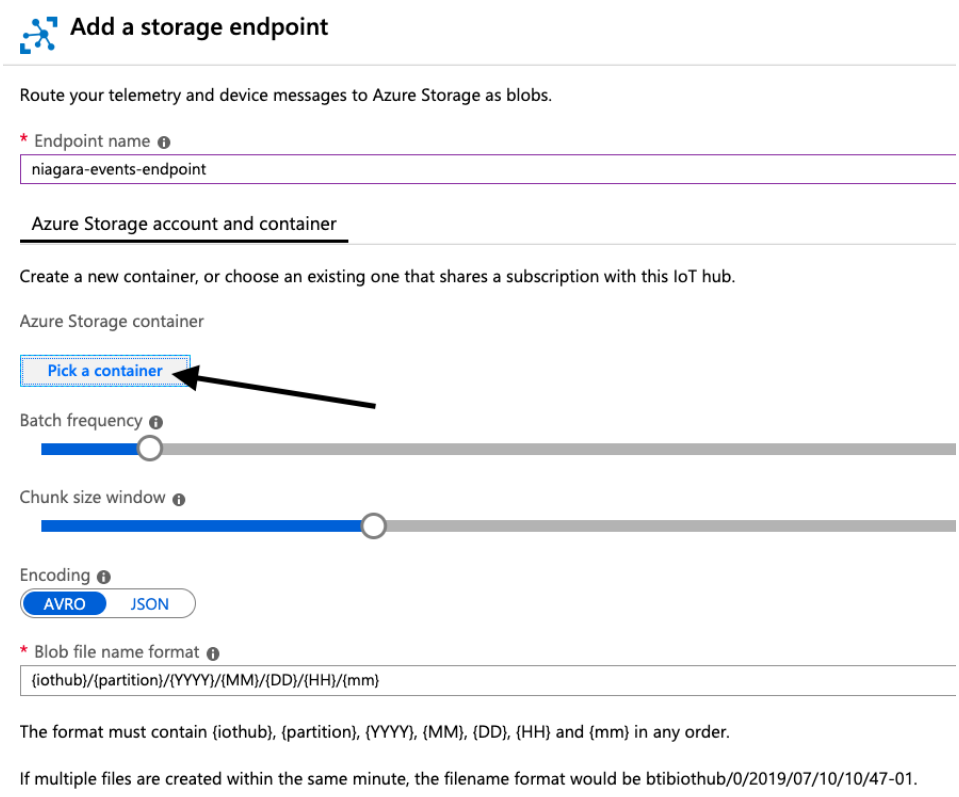
4. Click Add button to add a new custom endpoint (where the messages will be routed).
5. And choose Blob Storage.



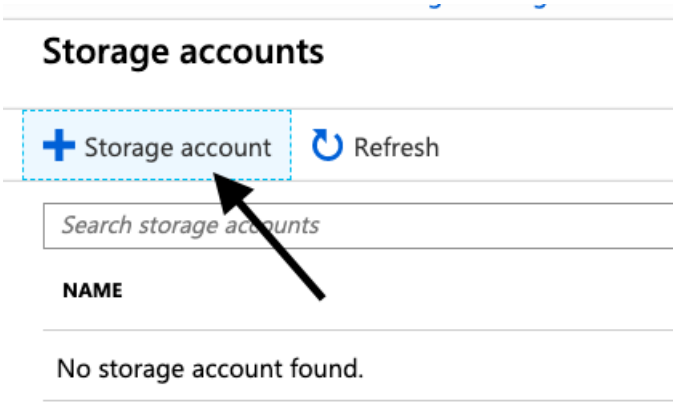
6. Give a unique name to this endpoint.



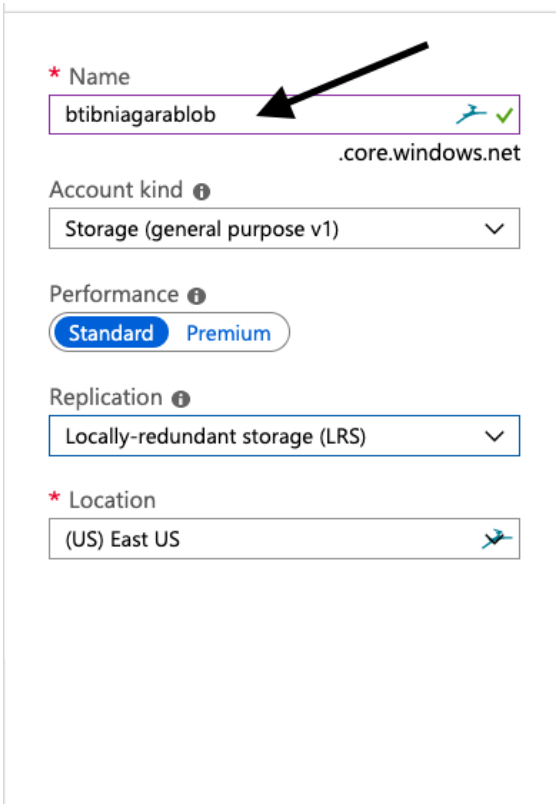
7. Pick a storage container.



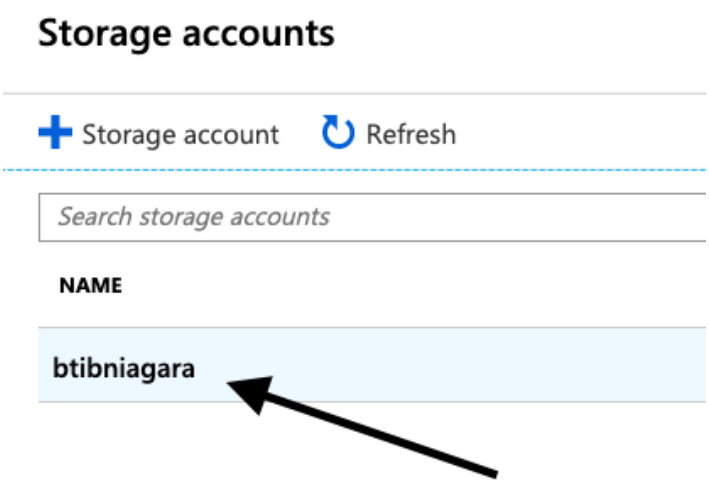
8. Click on **+** Storage Account.



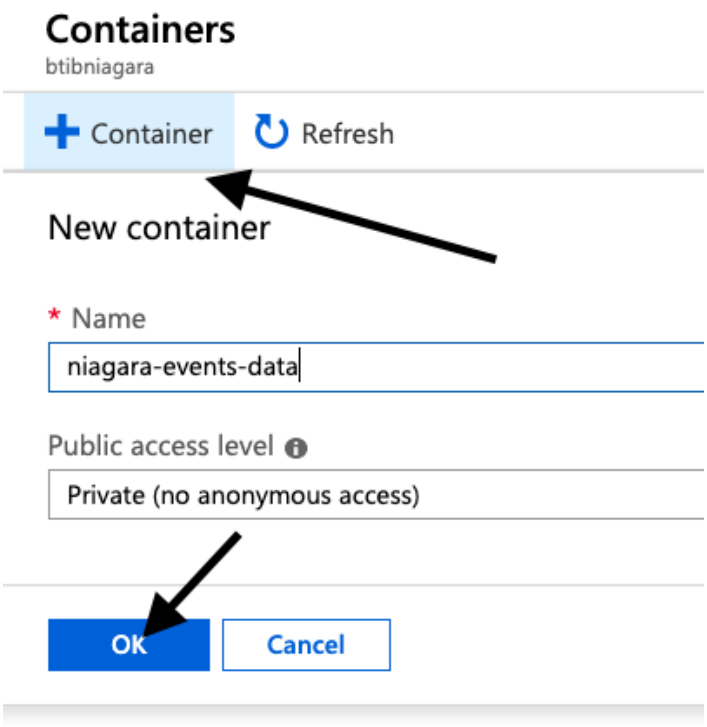
9. Give it a unique name and click OK.



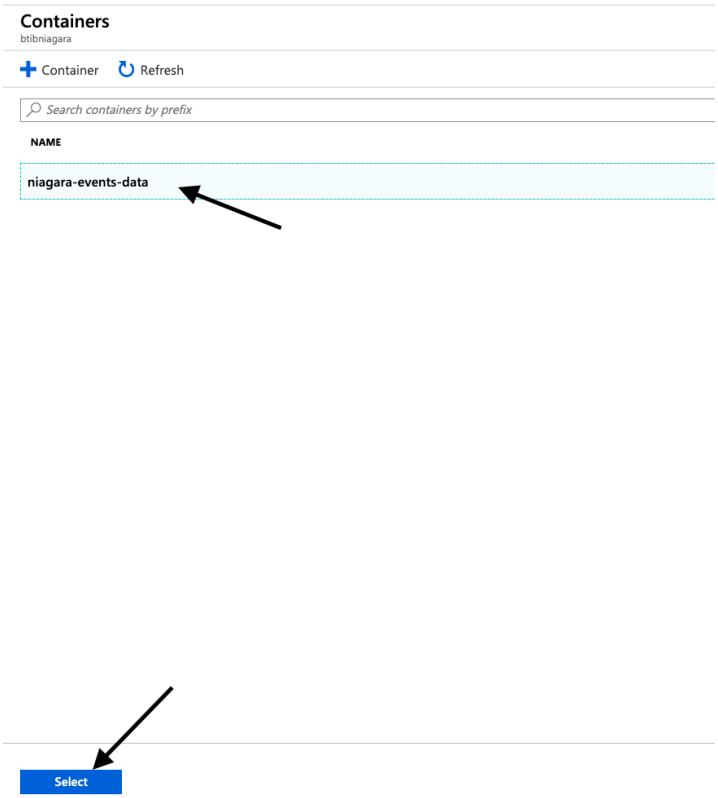
10. Then chose the storage account you created.



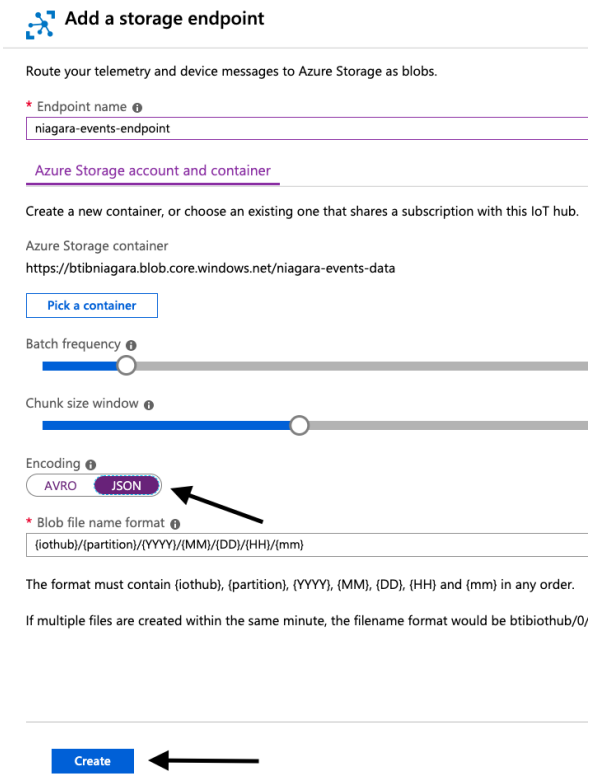
11. And Create a container for data.



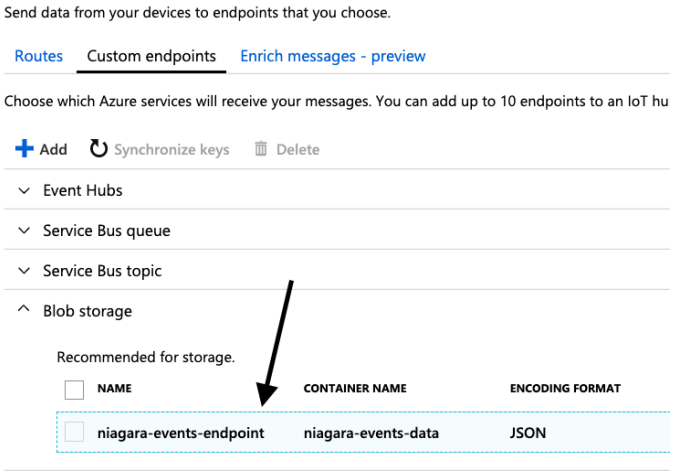
12. Choose the container then hit Select.



13. Choose the data format and click on create.

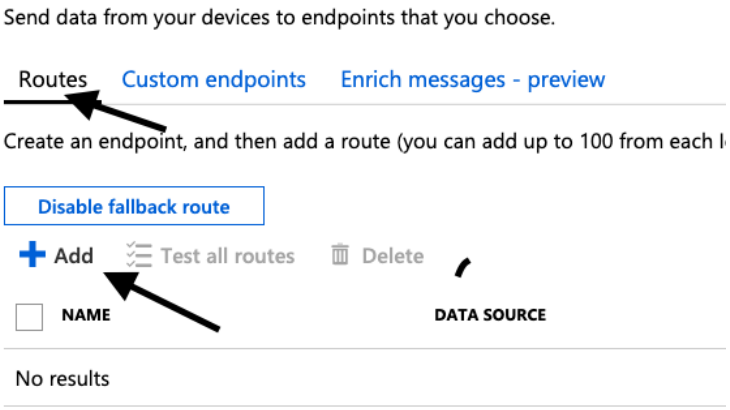


14. Your endpoint is created.

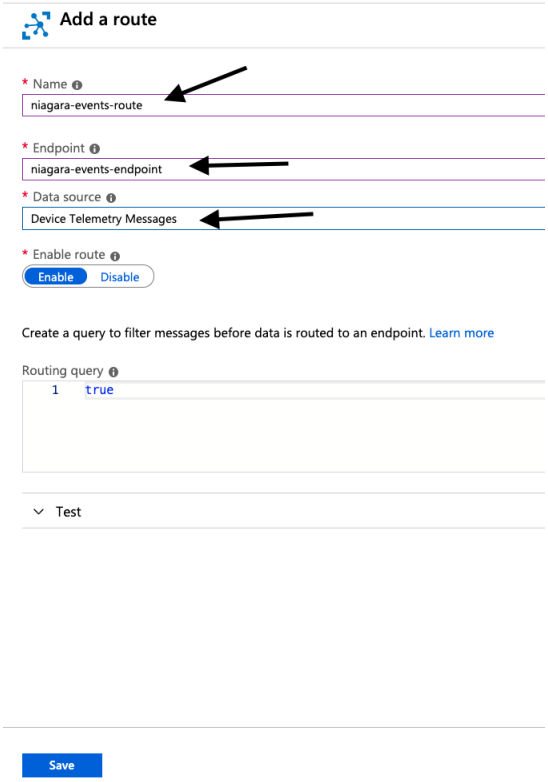


15. Now we will redirect all events to this endpoint.

16. Go to the route tab and click add.



17. Give your route a name. choose the endpoint we created and choose **Device Telemetry Message** then hit **Save.**



18. Congratulation now, all the telemetry data are stored on the Azure Blob Storage.

19. For devices/points tags follow the same procedure and in the data source option choose **Device Twin Change Events**.