

COLLEGE CODE: 8107

COURSE: Cloud Application Development

PHASE IV: Real Time Process And Automate the Data

PROJECT TITLE: Serverless IoT Data Processing

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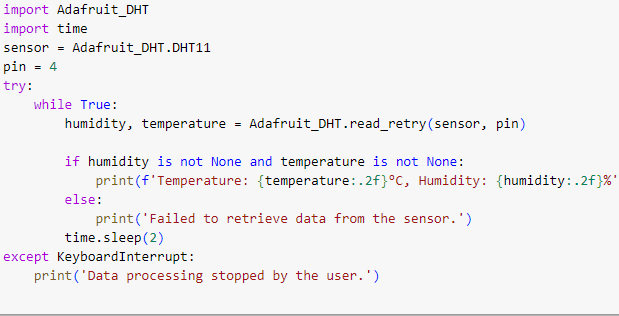
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INTRODUCTION:

This project is centered around the creation of a serverless IoT data processing solution using IBM Cloud Functions, aimed at transforming your living space into a smart home. By seamlessly integrating various smart devices, such as motion sensors, thermostats, and cameras, and harnessing the power of cloud-based data processing, this project will deliver a smarter and more efficient home environment.In this phase we integrate the smart devices and set up data collection.

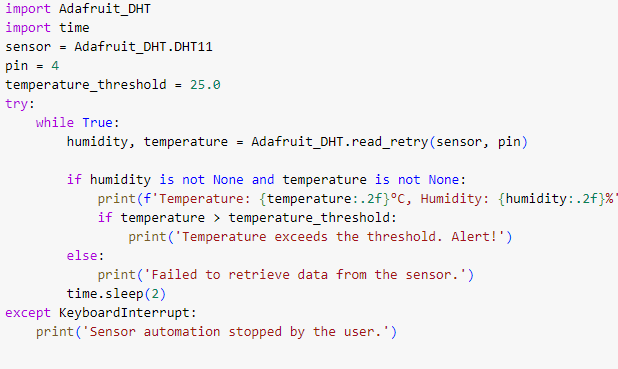
REAL TIME PROCESSING:

Processing the thermostat data in real time



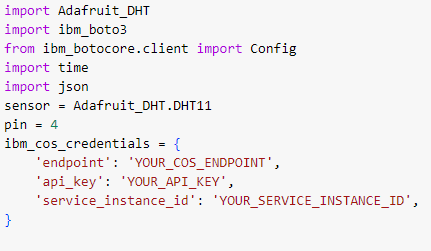
AUTOMATION :

Automate the data

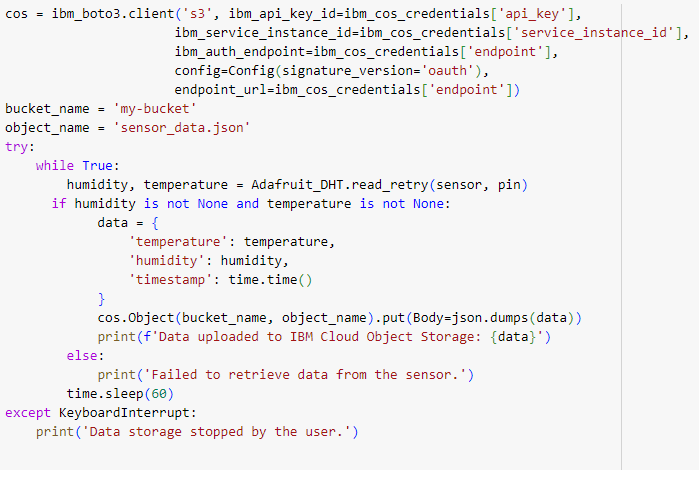


STORE THE DATA IN IBM CLOUD:

* Store the data in IBM Cloud with help of IBM Watson IOT Platform to store the data in IBM Cloud



* Connect IBM Cloud Object Storage for analysis



CONCLUSION:

* Serverless IoT data processing is a powerful approach for efficiently and cost-effectively handling data generated by Internet of Things (IoT) devices
* Serverless computing platforms, such as AWS Lambda, Azure Functions, and Google Cloud Functions, can automatically scale to handle varying workloads. This makes them well-suited for IoT applications where data volumes can fluctuate significantly.