Cloud ApplicationDevelopmt

Serverless IoT Data Processing

INTRODUCTION

Today I will present a simple serverless IoT architecture. Serverless is a popular designing concept for cloud applications. It is not always obvious that it can be used in IoT systems.

PROBLEM DEFINITION

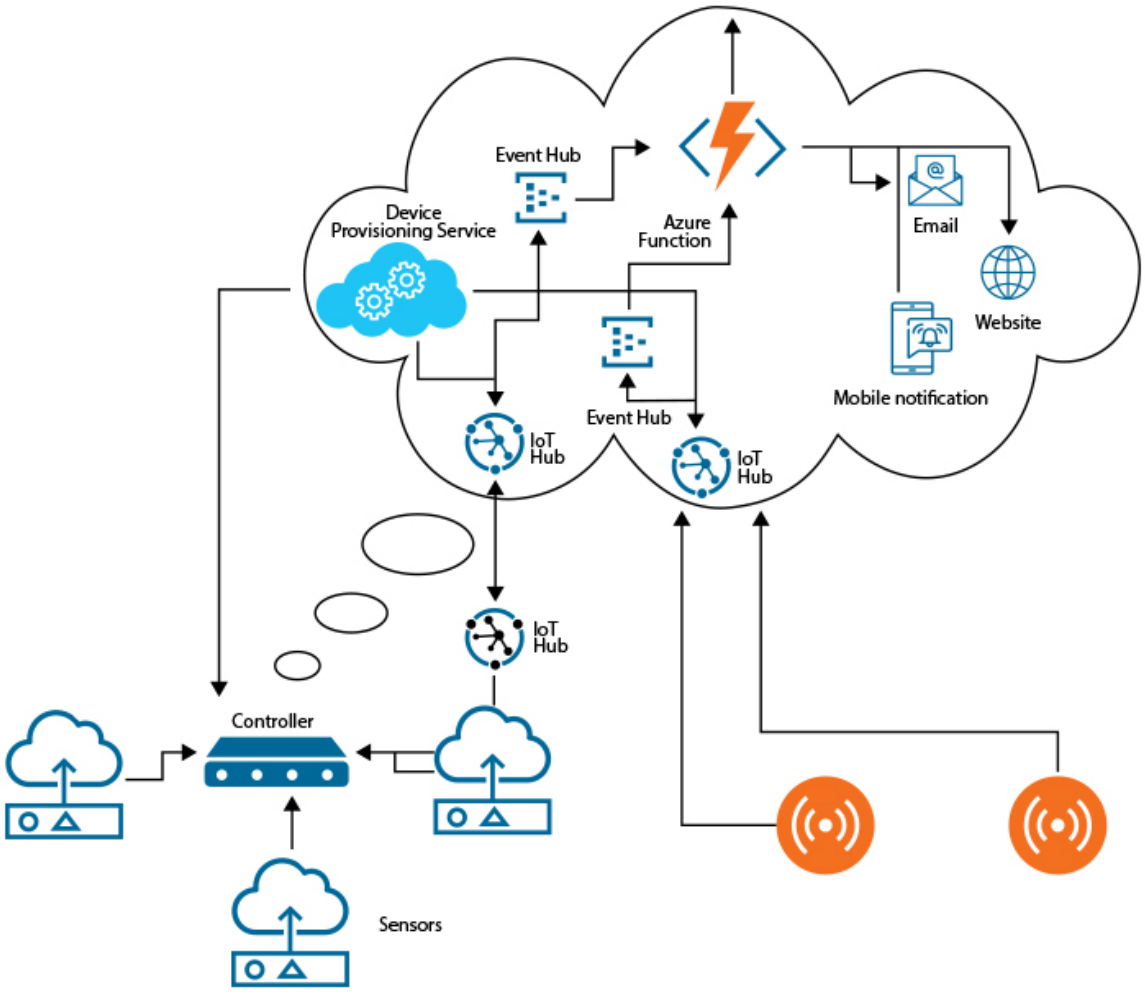
The project aims to transform a home into a smart living space using IBM Cloud Functions for IoT data processing. The goal is to collect data from various smart devices, process it in real-time, and automate routines for energy efficiency and home security. This

involves designing the smart home setup, implementing data collection and processing, and leveraging IBM Cloud for storage and analysis.

BENEFITS OF SERVERLESS IOT

Utilizing a serverless framework allows you to pay only for what you use, and will handle the scaling for you without any configuration change needed – whether you have one device or a million devices.

BASIC STRUCTURE



ADVANTAGES

* Faster time to market.
* Scales out of the box.
* Pay-as-you-go pricing model.

* Less heavy lifting.
* Web and Mobile Applications.
* Stream and batch processing.
* Internet of things.
* Cloud Automation and CRON jobs.

Assignment Notebook Submission

S.SHARMILA

III-YEAR

COMPUTER SCIENCE