Compute

Cloud Functions

Run Application Code in a Serverless Computing Environment

Cloud Functions is a Function as a Service (FaaS) that runs function applications without server provisioning. With Cloud Functions, users can focus on writing and uploading code for application development without having to manage servers or containers for scaling.

Easy-to-use Development Environment

Using a code editor suitable for runtime, developers can create function resources that will be attached to events in various environments and write and invoke codes with ease.
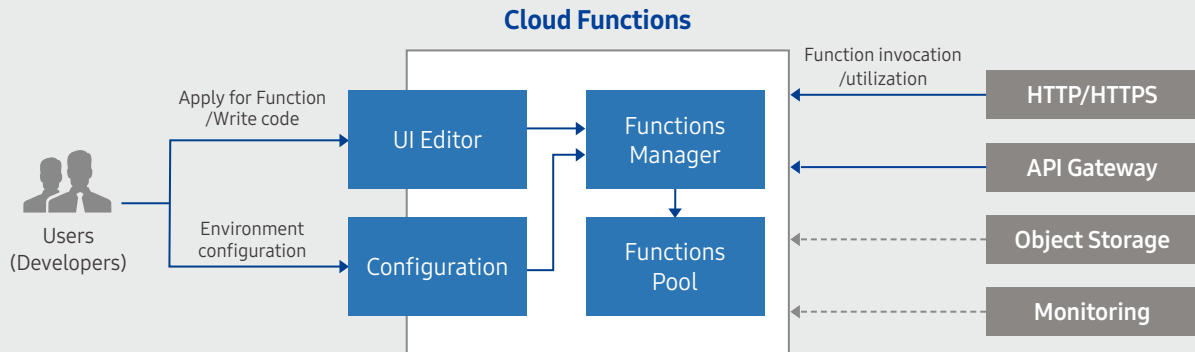
Serverless Computing

A serverless code execution service for development is available in the Samsung Cloud Platform environment. Based on the size of execution, Samsung Cloud Platform allocates and manages the resources required to invoke and run function applications.

Efficient Cost Management

In Cloud Functions, users are billed based on how long the function runs and how many times it is invoked. In times of reduced usage, it will automatically scale down to zero, achieving efficient cost management.

Service Architecture

Cloud Functions

Key Features

- **Code writing environment**
  - Create function optimal for runtime, write and edit code
  - Supported runtime : Python, Node.js, PHP, etc. (More to be added)

- **Function execution, environment management, monitoring**
  - Define endpoint, manage token, configure access control, configure trigger, etc.
  - Define and update running environment/variable
  - Output invocation/test for deployment/test, service deployment, status monitoring/logging

- **Serverless computing**
  - Samsung Cloud Platform manages the resources needed for code writing/deployment
  - Auto-scaling based on deployment

- **Provide sample codes**
  - Getting started is fast and easy with various sample codes provided via Blueprint

Pricing

- **Billing**
  - Total compute run time(GB, seconds) + Function invocation count