### There is another type of cloud services called : **Faas** (function as a service)

**Fass**  is a brand-new and very young cloud computing service acting as a game-changer for many businesses. It is a serverless computing concept that lets software developers develop applications and deploy an individual “function”, piece of business logic, or an action without maintaining a server. It increases the efficiency as developers need not to consider server operations because they are hosted externally.

Examples of FaaS include Google Cloud Function, Microsoft Azure Functions, Webtask.io, Iron.io , Open Whisk, and AWS Lambda.

AWS Lambda was the first FaaS offering by a large public cloud vendor, followed by Google Cloud Functions, Microsoft Azure  Functions, IBM/Apache's OpenWhisk in 2016 and Oracle Cloud Fn in 2017.

**FaaS** does not require any server process constantly being run. While an initial request may take longer to be handled than an application hosting platform (up to several seconds[), caching may enable subsequent requests to be handled within milliseconds. As developers only pay for function execution time (and no process idle time), lower costs at higher scalability can be achieved (at the cost of latency).

**Features and Benefits of FaaS Cloud Computing Service**

* **1)** Money is never wasted on inactive resources as users are billed depending on the amount of functionality used.
* **2)** Makes developers efficient as they can focus more on writing application-specific logic rather than having to deal with the server logistics.
* **3)** FaaS code is inherently scalable and fault-tolerant.

**Use cases for FaaS** are associated with "on-demand" functionality that enables the supporting infrastructure to be powered down and not incur charges when not in use. Examples include data processing (e.g., batch processing, stream processing, extract-transform-load (ETL)), Internet of things (IoT) services for Internet-connected devices, mobile applications, and web applications.[[4]](https://en.wikipedia.org/wiki/Function_as_a_service#cite_note-4) Another real-world use case can be creating APIs for already built applications without breaking down or modifying the current or existing functionality of the application.