

Serverless Architecture

CSSE6400

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Oxymoron 1. Serverless

Logic running on someone else's server.

Definition 1. Backend as a Service (BaaS)

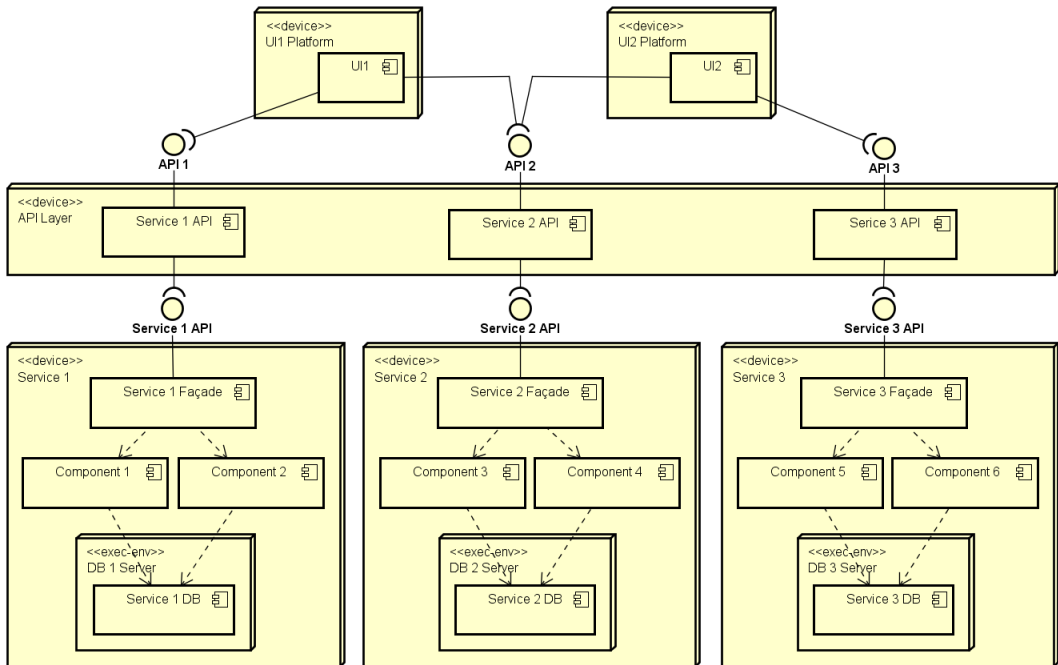
Cloud-hosted applications or services that deliver functionality used by an application front-end.

Definition 2. Functions as a Service (FaaS)

Application logic that is triggered by an event and runs in a transient, stateless compute node.

Definition 3. Serverless Architecture

- a) Rich client layer that uses BaaS to deliver functionality.
- b) Functionality running in a FaaS environment and used by other services.



Corollary 1. No Reuse

Services do not reuse components from other services, to avoid dependencies.

Pros & Cons

Modularity



Extensibility



Reliability



Interoperability



Scalability



Security



Deployability



Testability



Simplicity

