

## Azure functions

Monday, May 27, 2024 11:42 PM

Azure fns is a serverless soln that allows you to write less code & less maintain less infrastructure.

Azure fns is a serverless compute service, whereas Azure Logic Apps is a serverless workflow integration platform.

↓  
Azure fns > Azure Logic Apps.

### Deployment Options.

- 1) Consumption Plan (Charge per execution)
- 2) Premium Plan.
- 3) App Service Plan (Dedicated)
- 4) App Service Environment
- 5) Kubernetes

### Scaling

Scale Controller to monitor the rate of events and determine whether to scale out or scale in

- 1) Single fn app can scale out to max of 200 instances.

- 2) New instance rate:

(we can add delays such as input/output)

### Triggers.

↳ HTTP triggers.

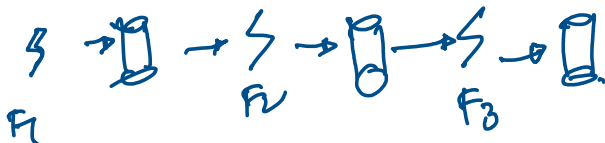
2. Time trigger. → we have CRON time.

## Simple Function

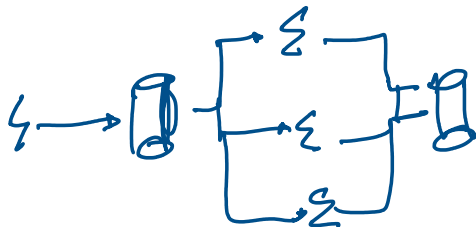
- 1. Serverless-design.
- 2. Simple
- 3. Stateless
- 4. Short lived
- 5. Triggered by a timer, http request, blob event, message queue.
- 6. Best for asynchronously work.

## Durable Function.

- 1. Stateful
- 2. long running
- 3. Multi step process.
- 4. Fn call other fns



Function chaining pattern.



Fan in / Fan out.



Master pattern.

→ Human interaction pattern



Request  
Approval:

Admin

→ Escalate,