



{ Event-driven and
serverless
Applications with
~~OpenWhisk~~
Cloud Functions }



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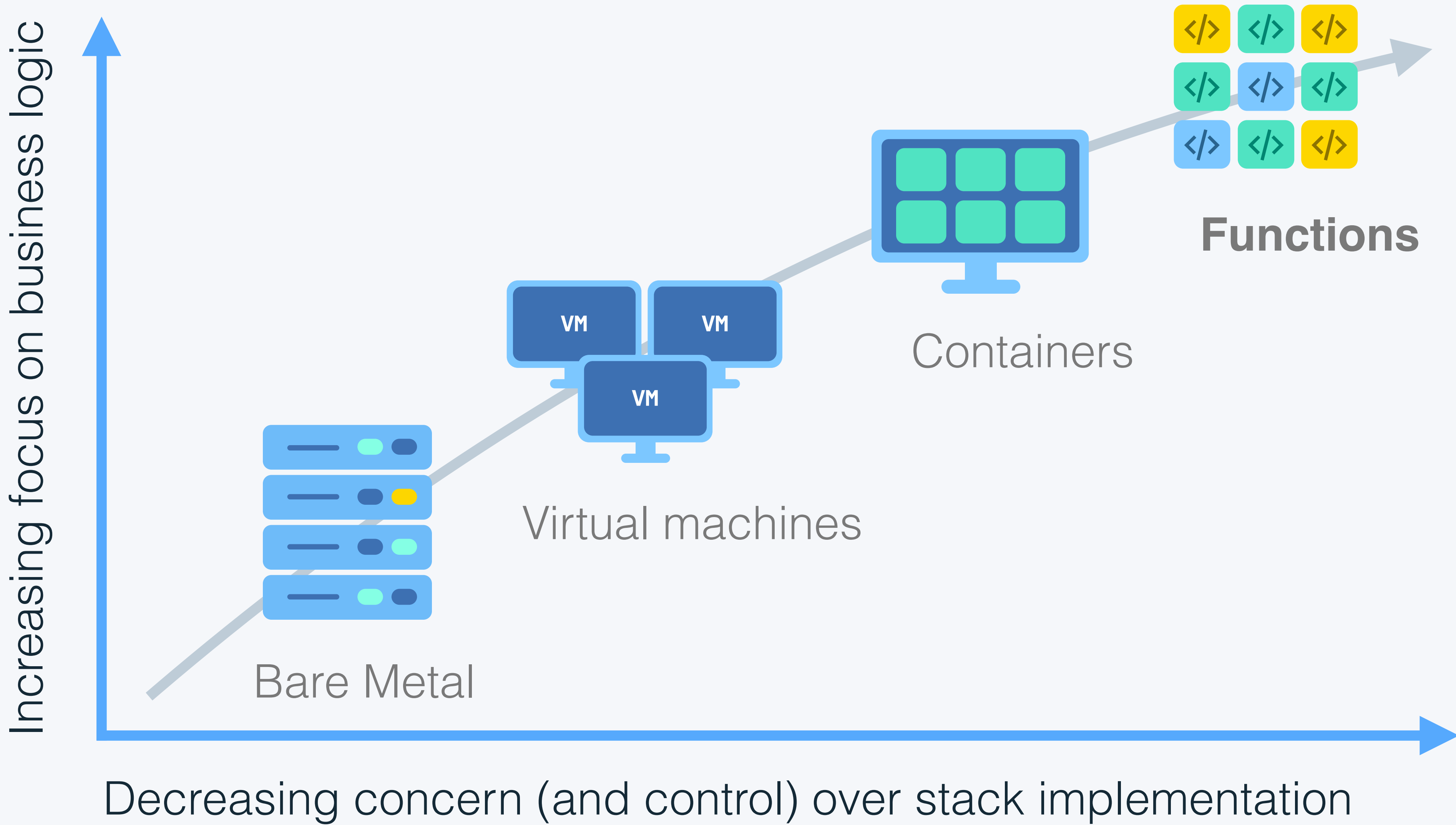


**How would you
implement this app?**

It needs to be **always available**

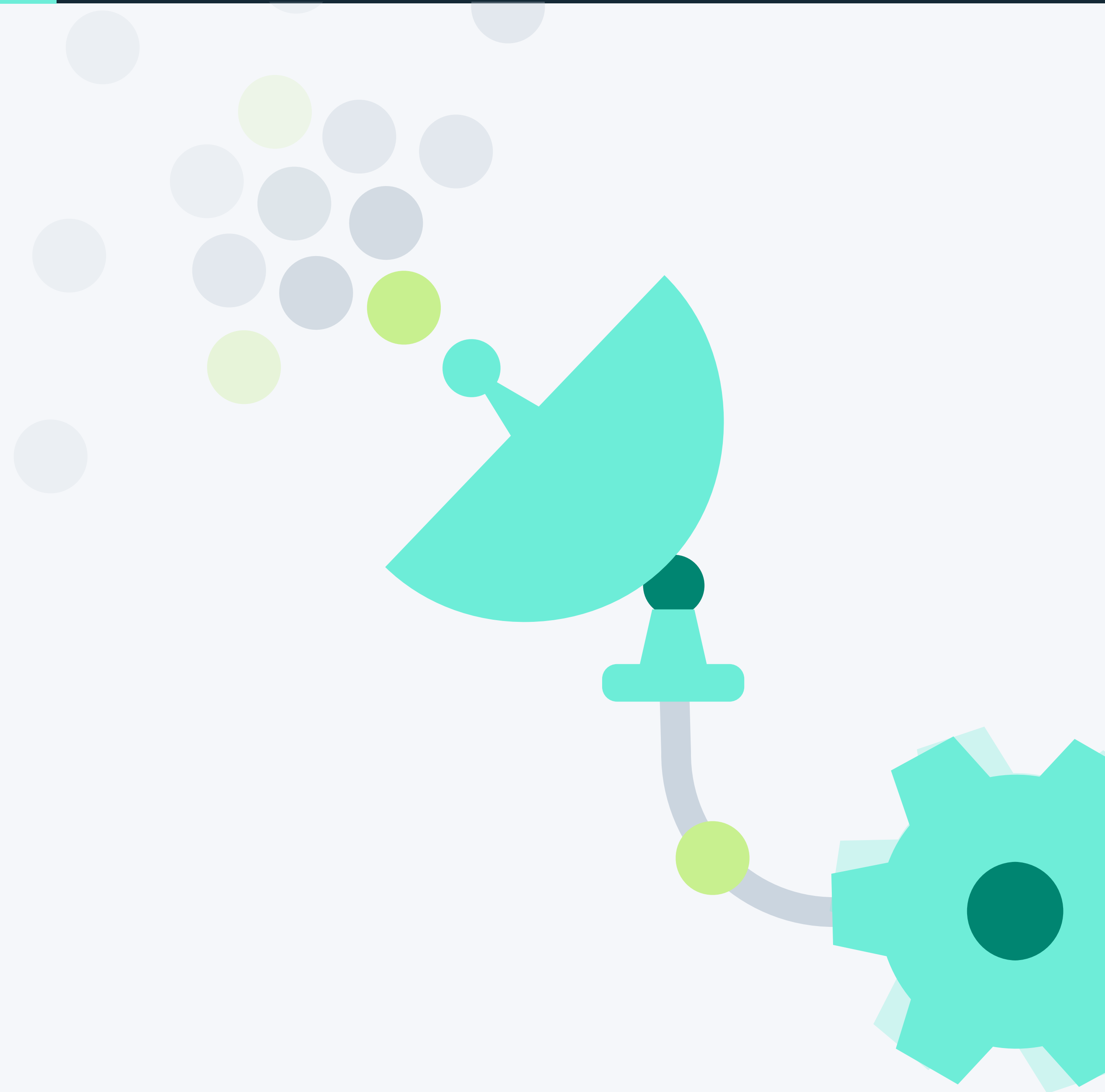
It needs to **handle the unexpected load**

I should **not pay** if it is **not being used**



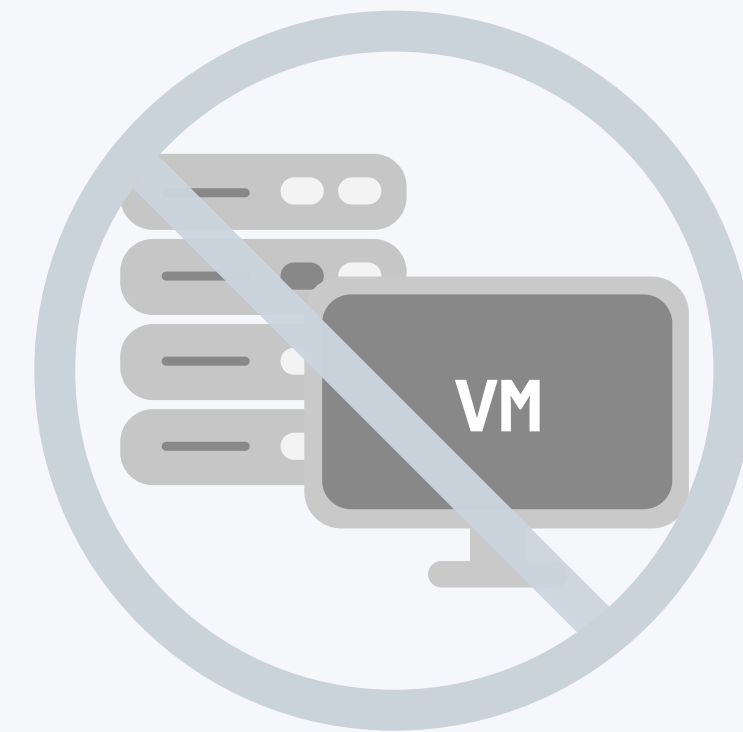
What is serverless aka Functions as a Service?

Runs code **only**
on-demand on a
per-request basis



Runs code **only** on-demand on a per-request basis

Serverless deployment & operations model



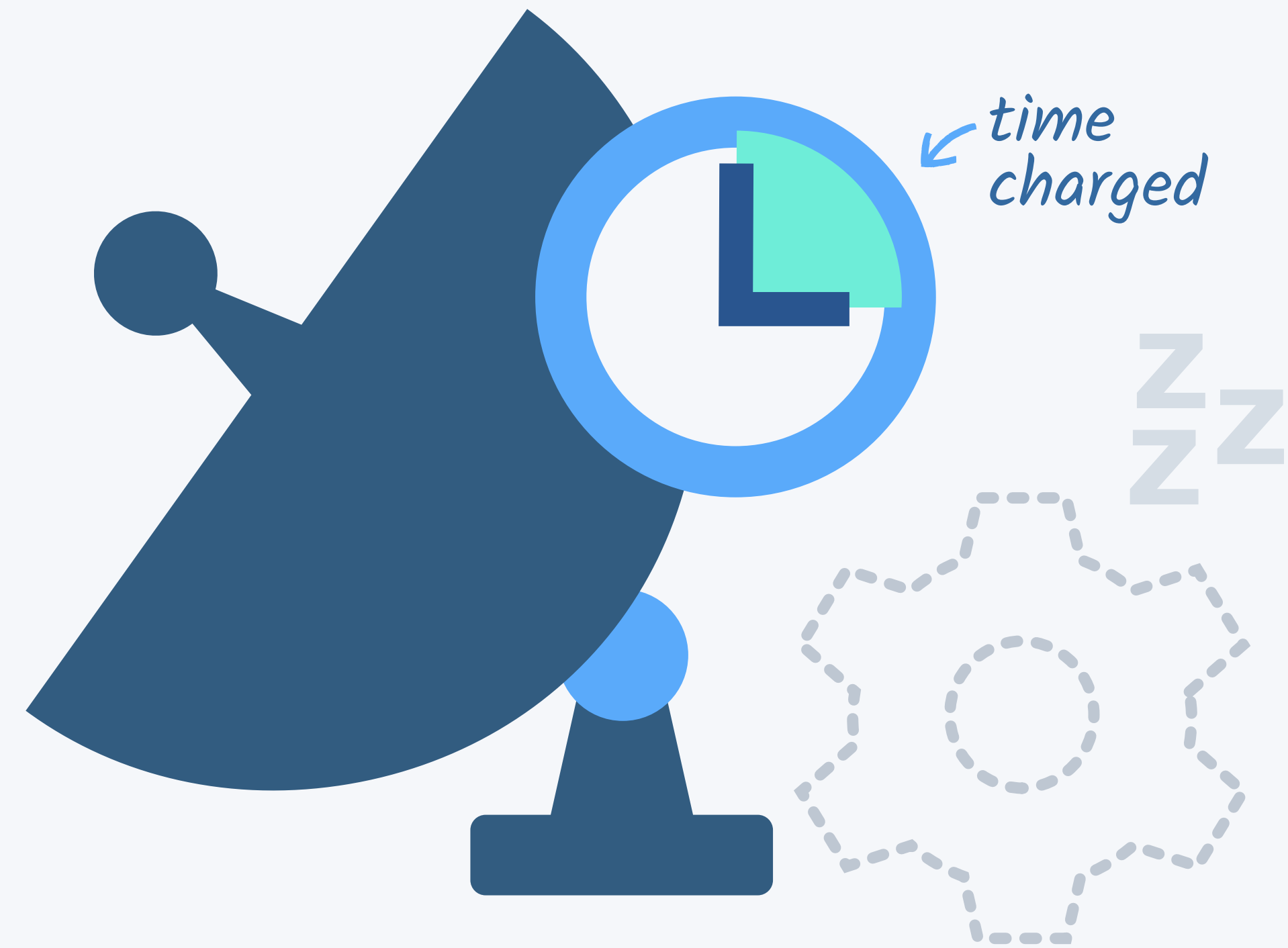
No servers



Just code

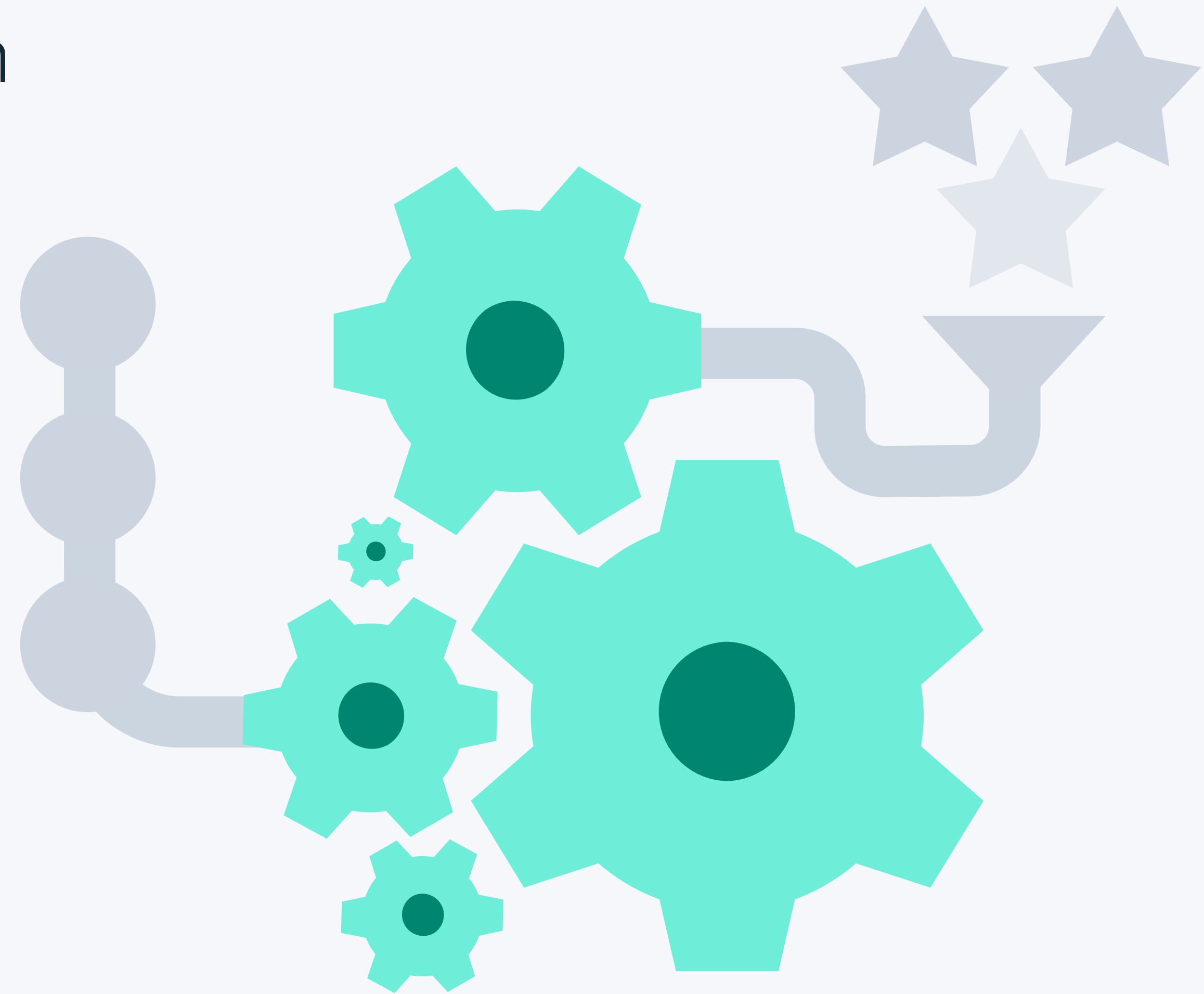
Runs code **only** on-demand on a per-request basis

Optimal utilization & granular pricing



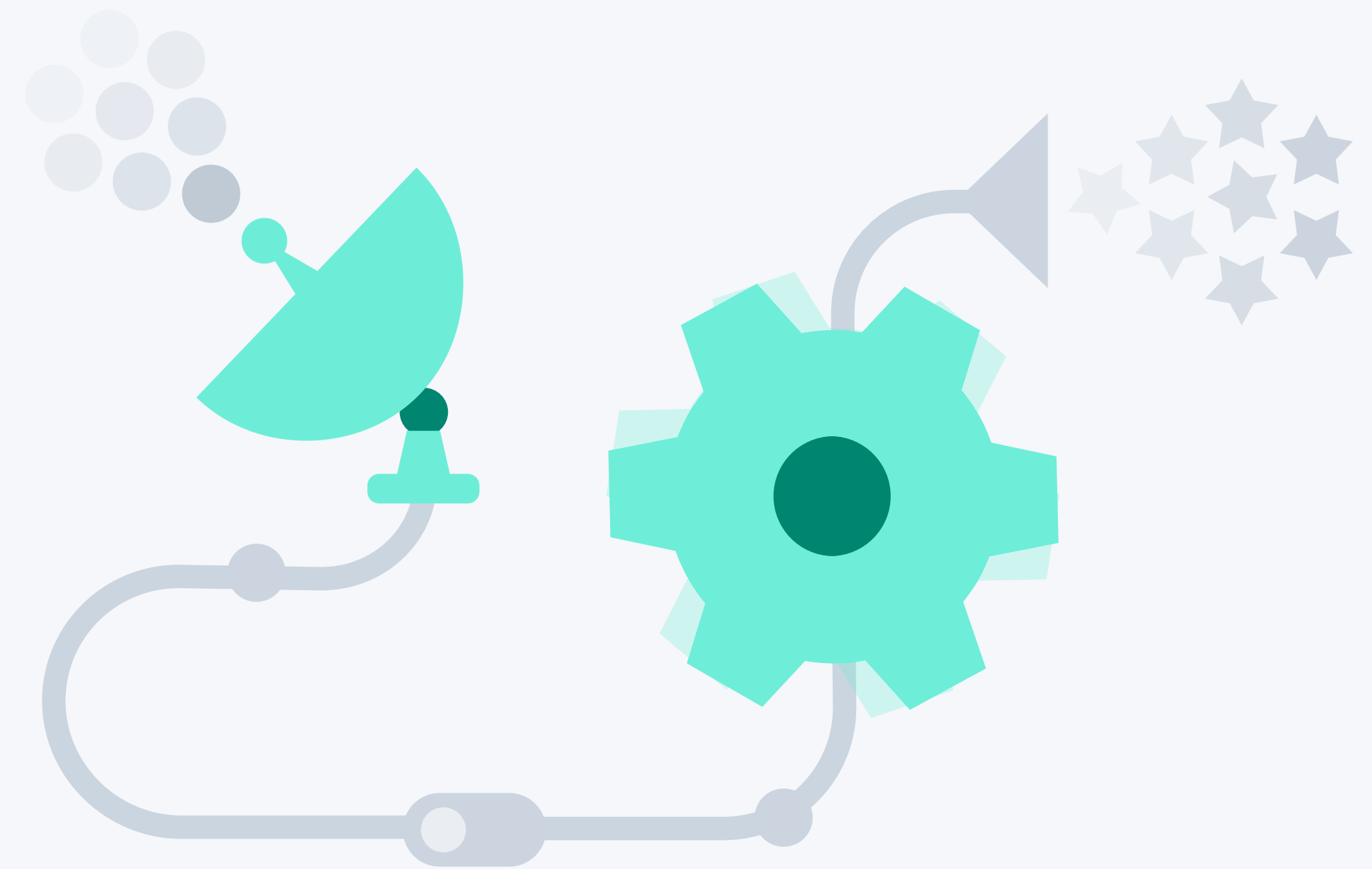
Runs code **only** on-demand on a per-request basis

Scales on a per-request basis

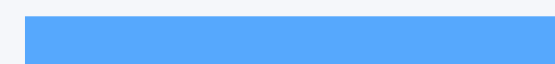


What is IBM Cloud Functions?

Functions as a Service (FaaS) platform to execute code in response to events



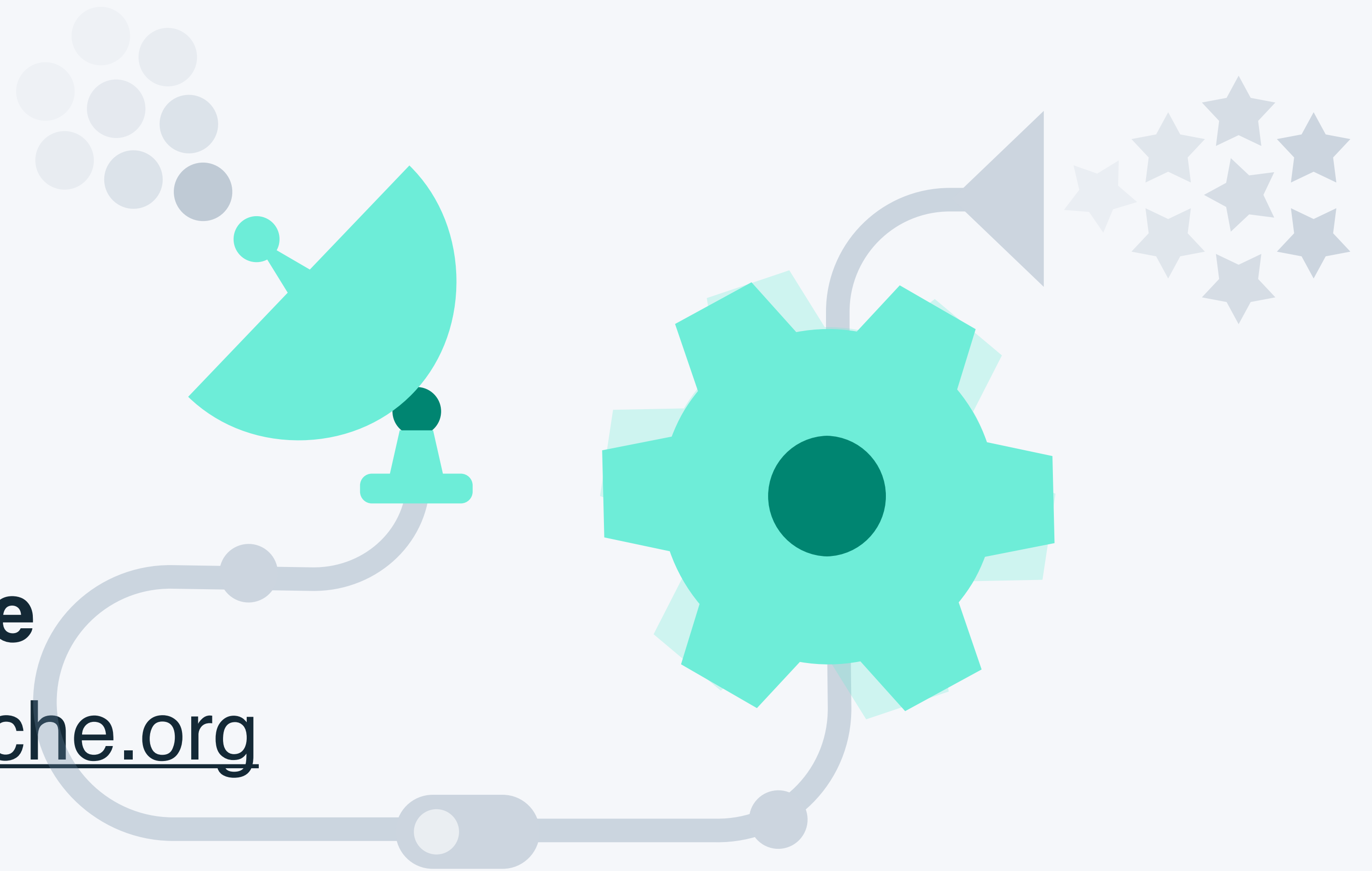
FaaS platform to execute code
in response to events



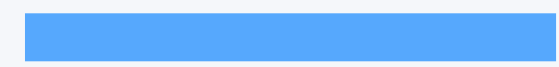
Delivered as

Open source via Apache

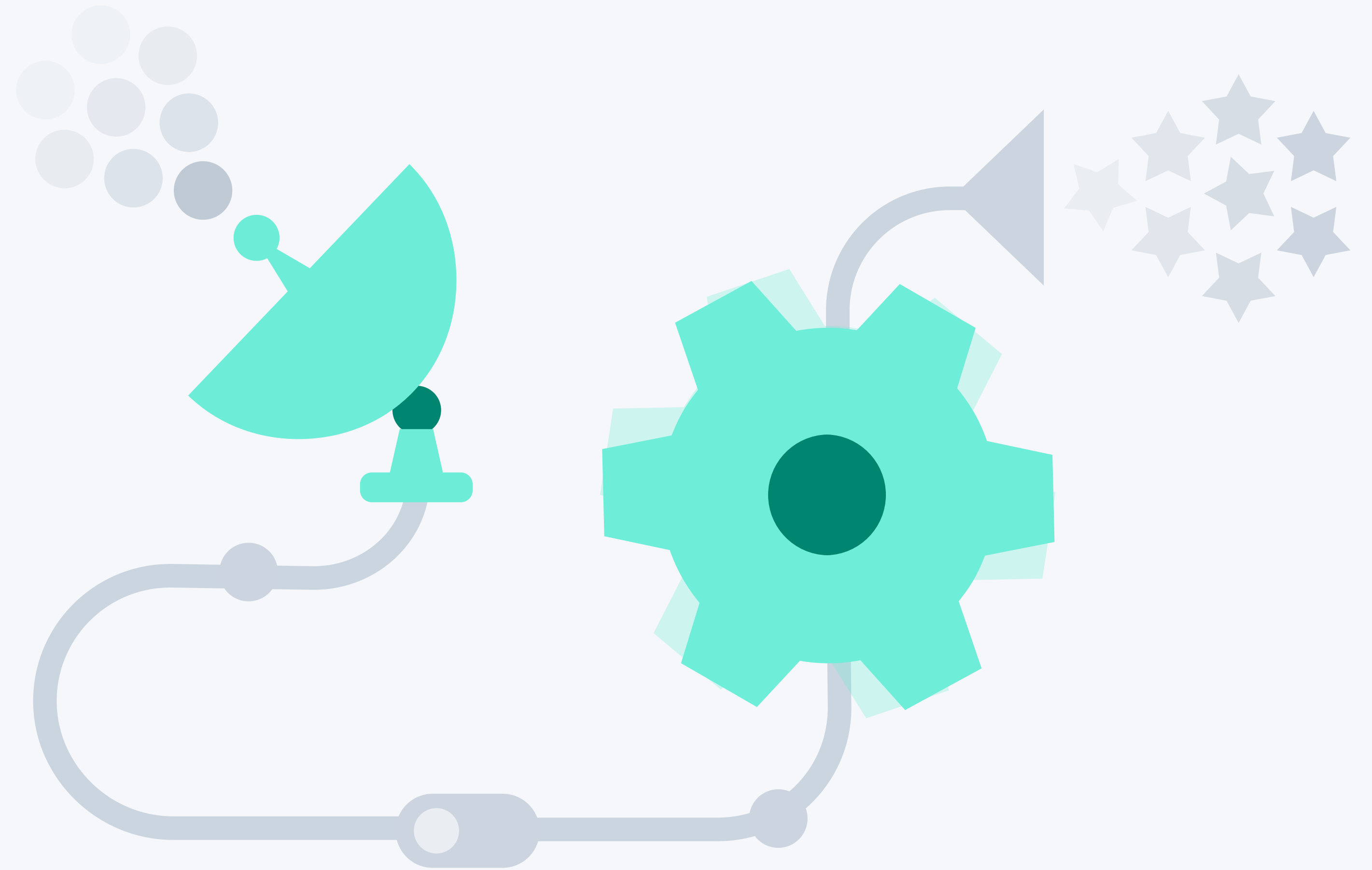
openwhisk.incubator.apache.org

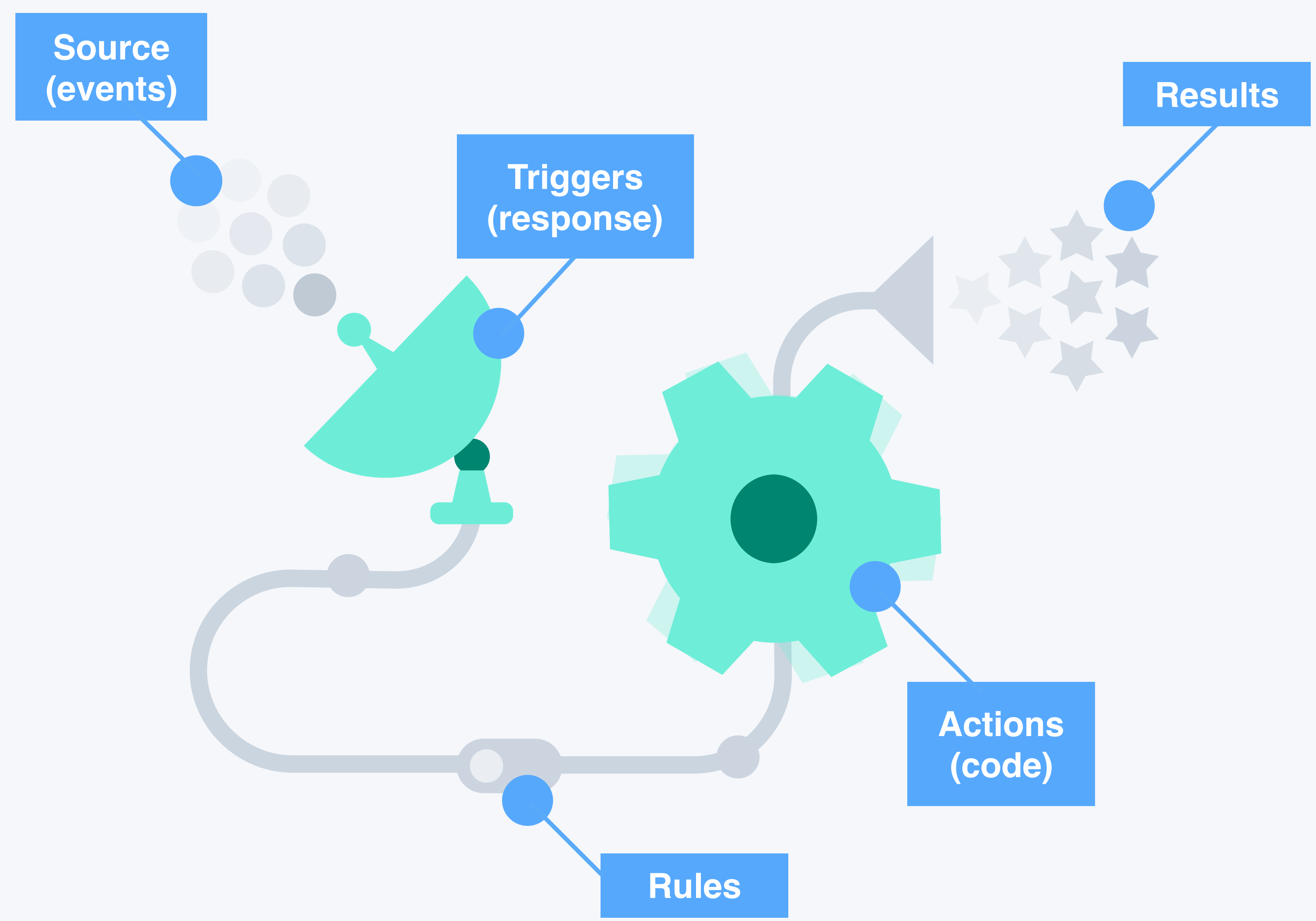


FaaS platform to execute code in response to events



Managed service on
IBM Cloud
ibm.biz/functions

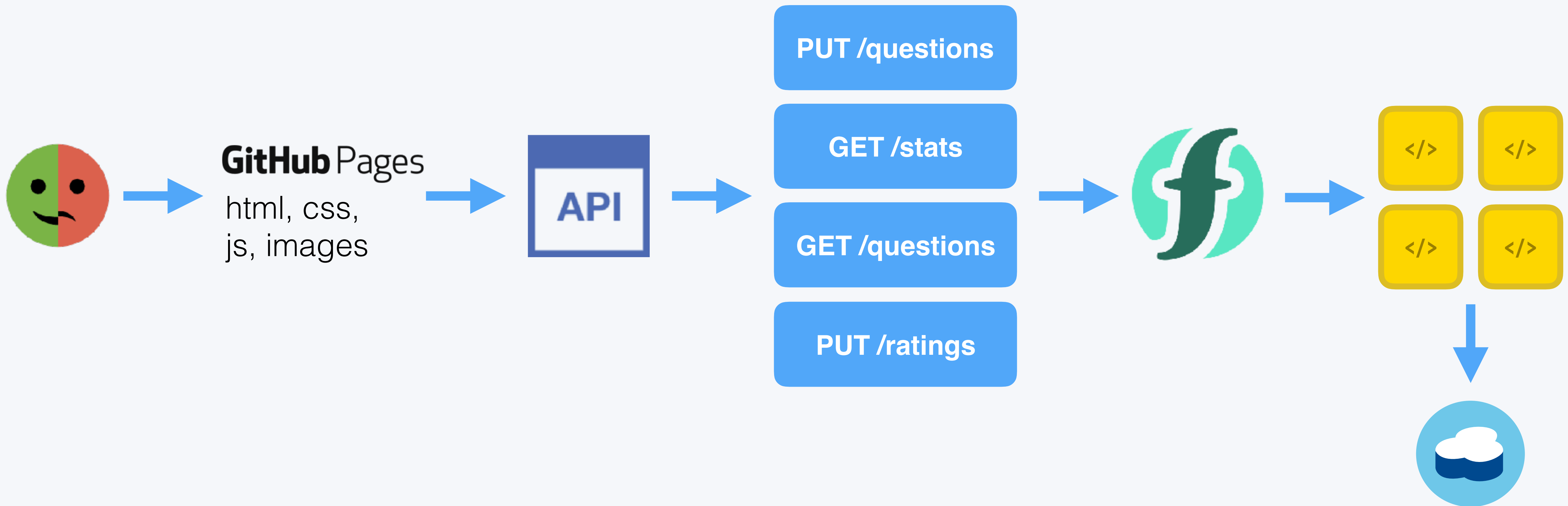




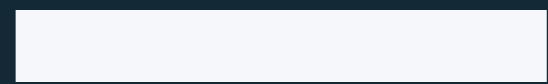
DEMO



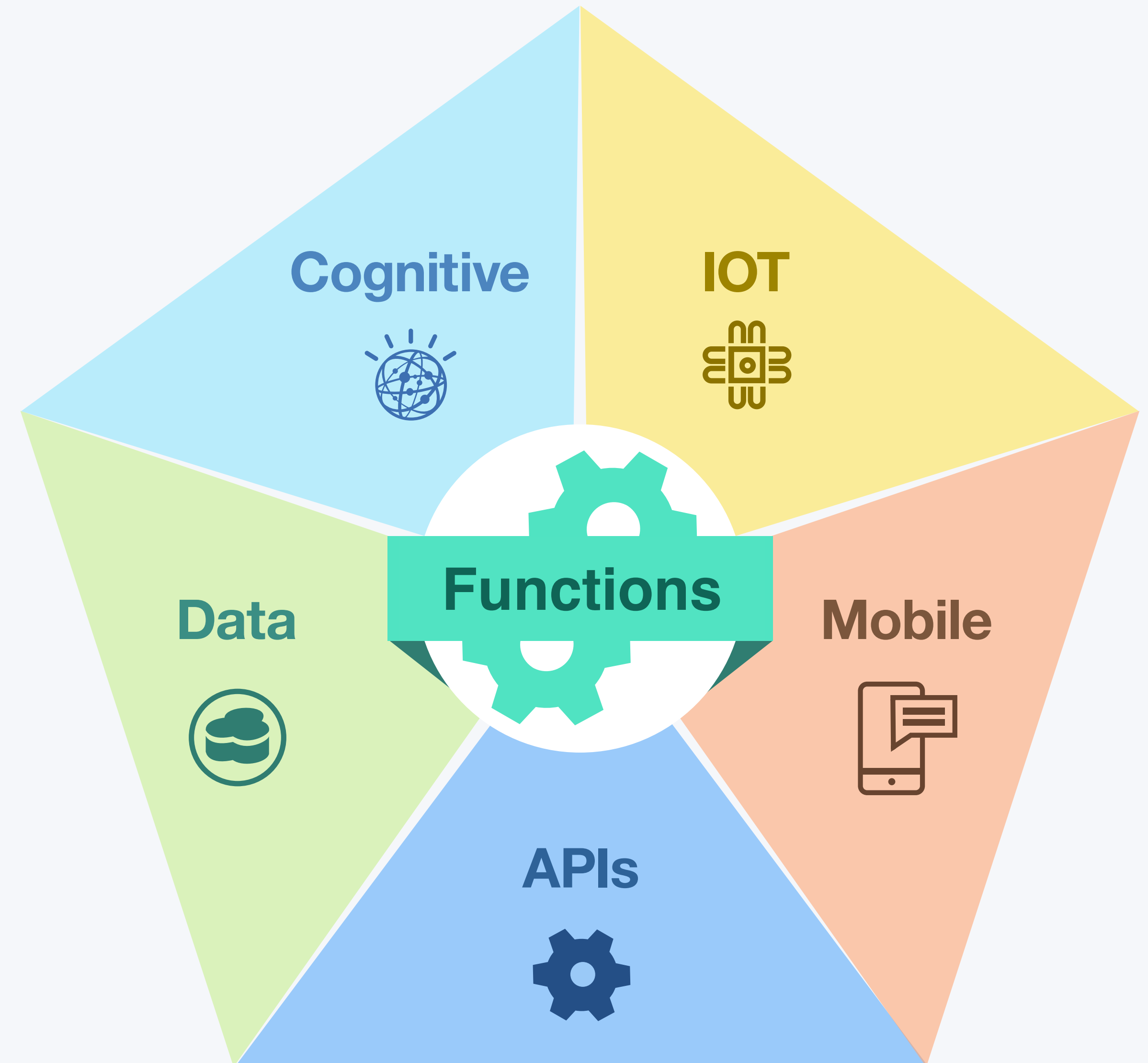
```
<hello world />  
<hello world with params />  
<hello world as web action />  
<hello world as API />  
<emoting API />  
<emoting and triggers />
```

What is serverless good for?

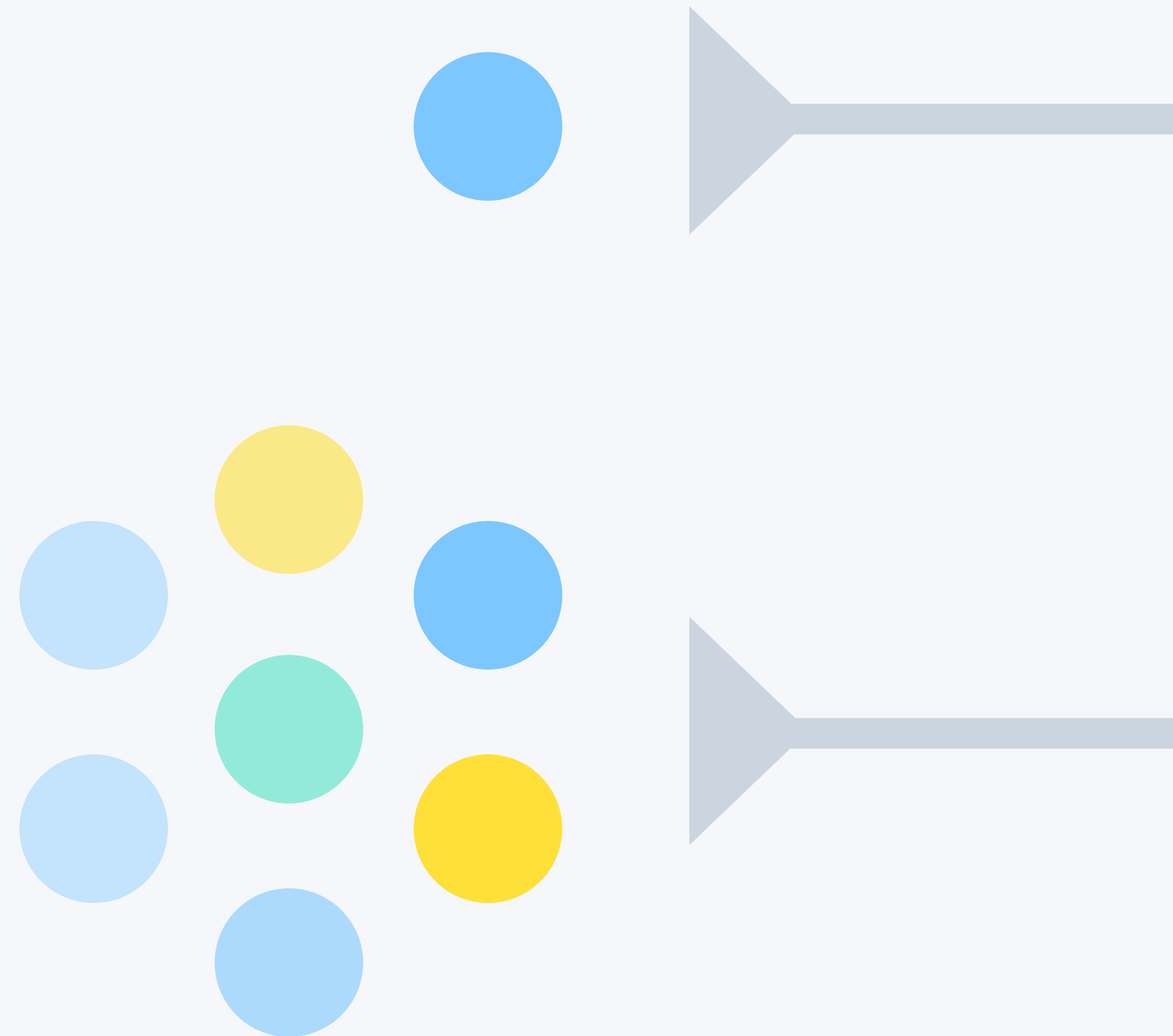


IBM Cloud Functions allows you to build up an **entirely serverless** application architecture



Volatile workload that can be split in smaller short-running pieces.

Suited for sporadic as well as heavy load scenarios.





Execute logic in response to database change



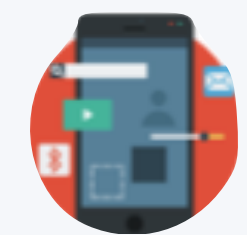
Perform analytics on sensor input messages



Provide cognitive computing via chatbots



Schedule tasks performed for a short time

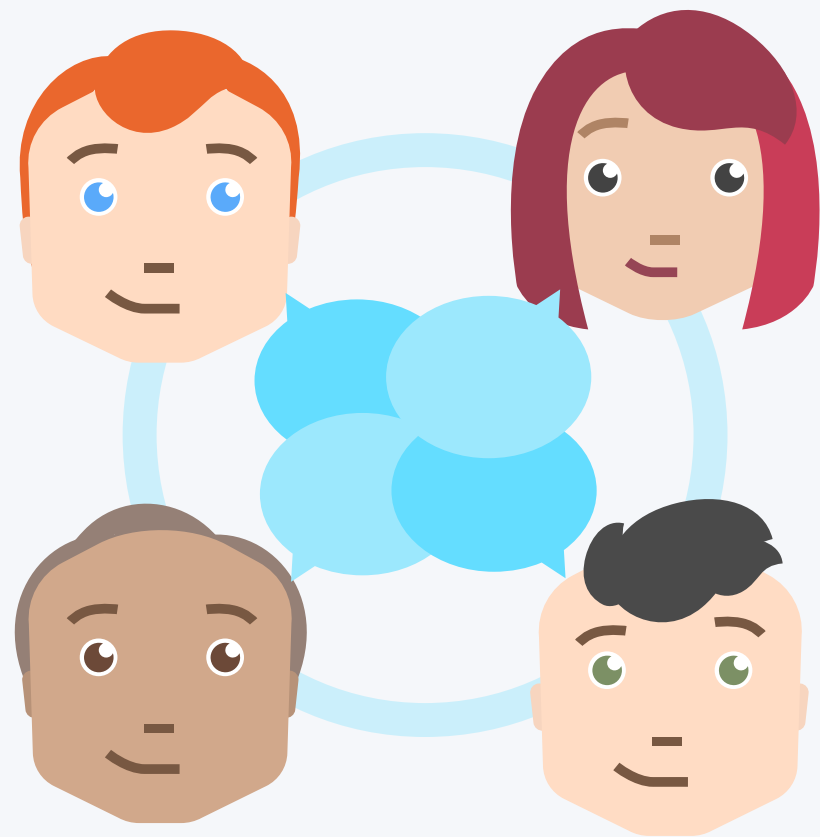


Invoke autoscaled APIs and mobile backends

Learn more



Learn more

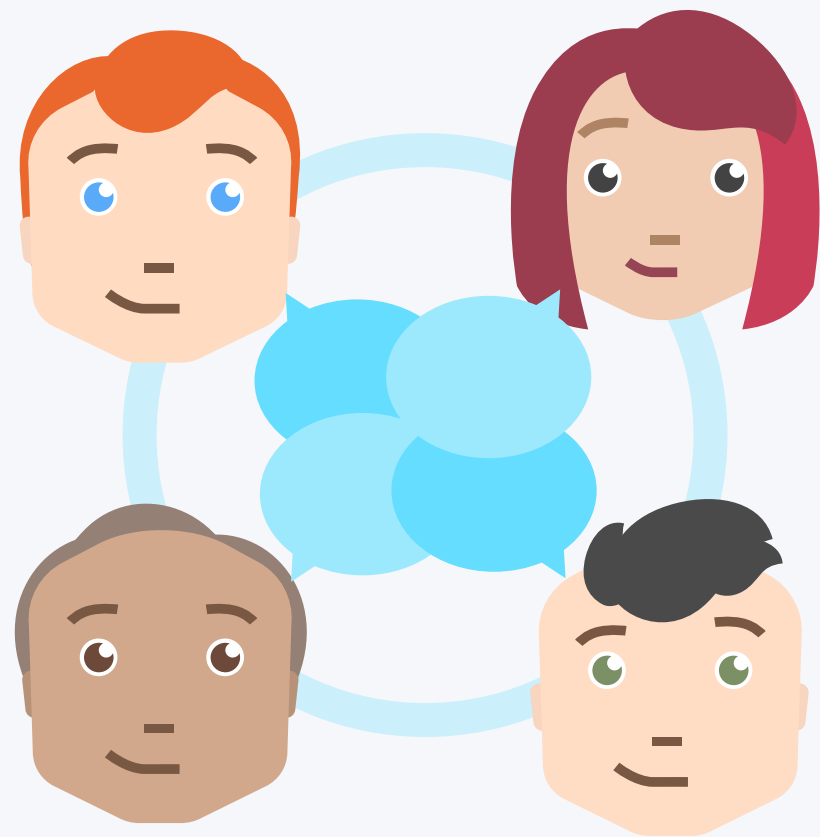


Commercial offering home:
ibm.biz/functions

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Q&A

