

Web Development

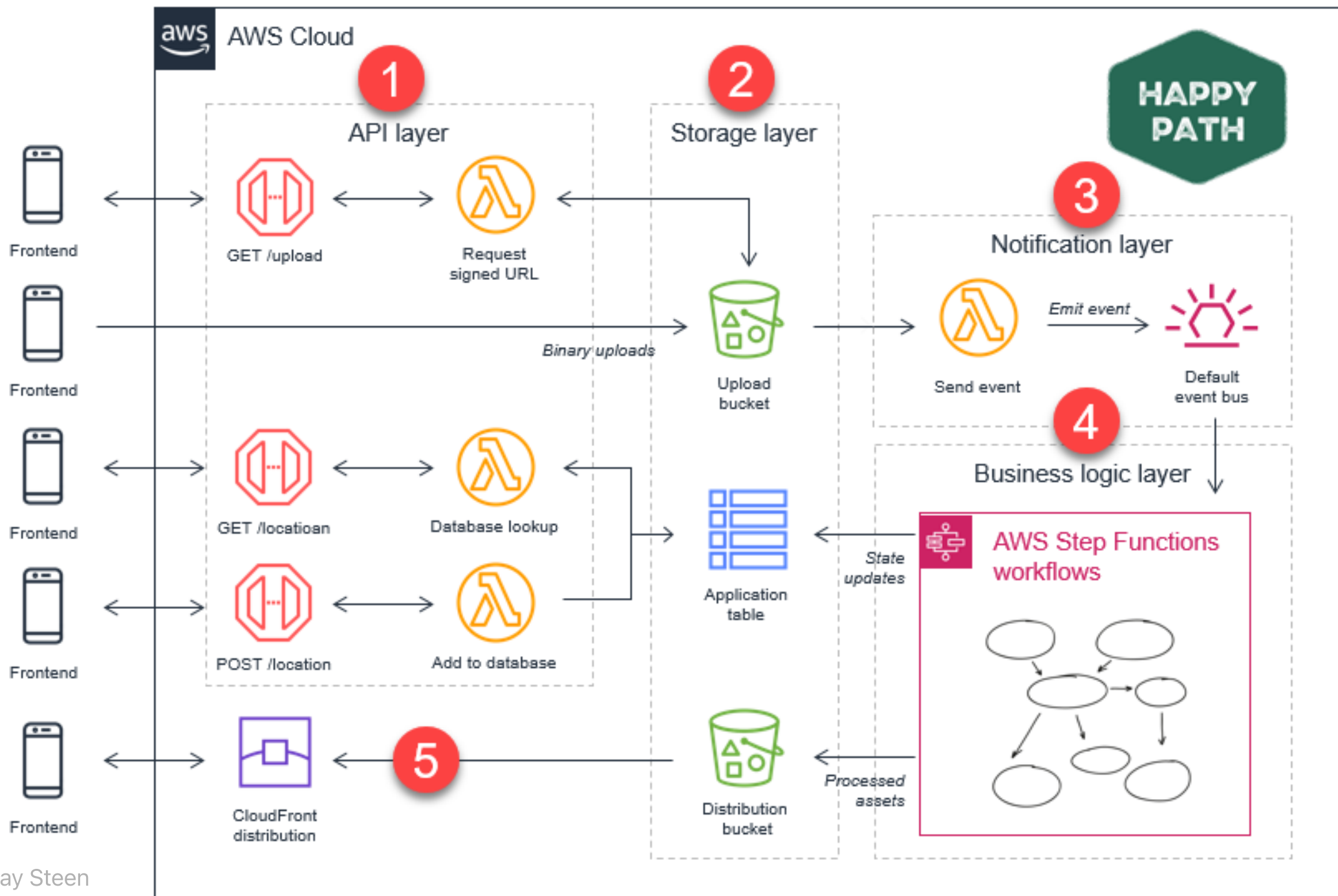
Episode 1 - The phantom menace



How does the web work?



Backend vs Frontend



API

An API, or application programming interface, is a set of rules or protocols that let software applications communicate with each other to exchange data, features and functionality.

What is HTTP?

- HyperText Transfer Protocol
- A protocol for transferring data over the web

Anatomy of an HTTP request

Request

```
GET / HTTP/1.1  
Host: www.opera.com
```

Anatomy of an HTTP request

Response

```
HTTP/1.1 200 OK
Date: Wed, 23 Nov 2011 19:41:37 GMT
Server: Apache
Content-Type: text/html; charset=utf-8
Set-Cookie: language=none; path=/; domain=www.opera.com; expires=Thu, 25-Aug-2011 19:41:38 GMT
Set-Cookie: language=en; path=/; domain=.opera.com; expires=Sat, 20-Nov-2021 19:41:38 GMT
Vary: Accept-Encoding
Transfer-Encoding: chunked

<!DOCTYPE html>
<html lang="en">
...
```


Demo time

```
pip install flask
```

Thank you!