

ARCHITECTING FOR CLOUD AND EDGE

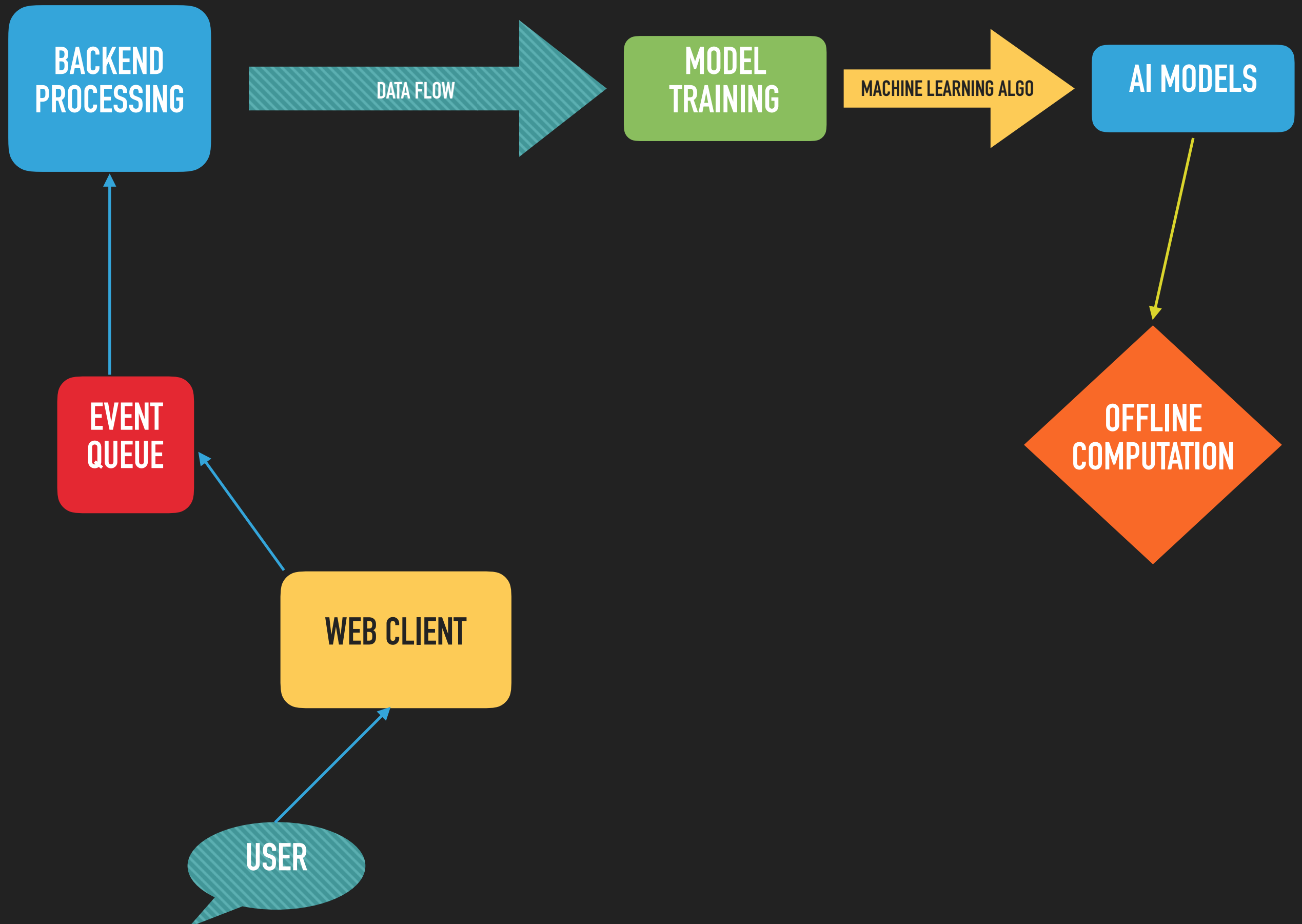
DEVELOPING AN AI PRODUCT

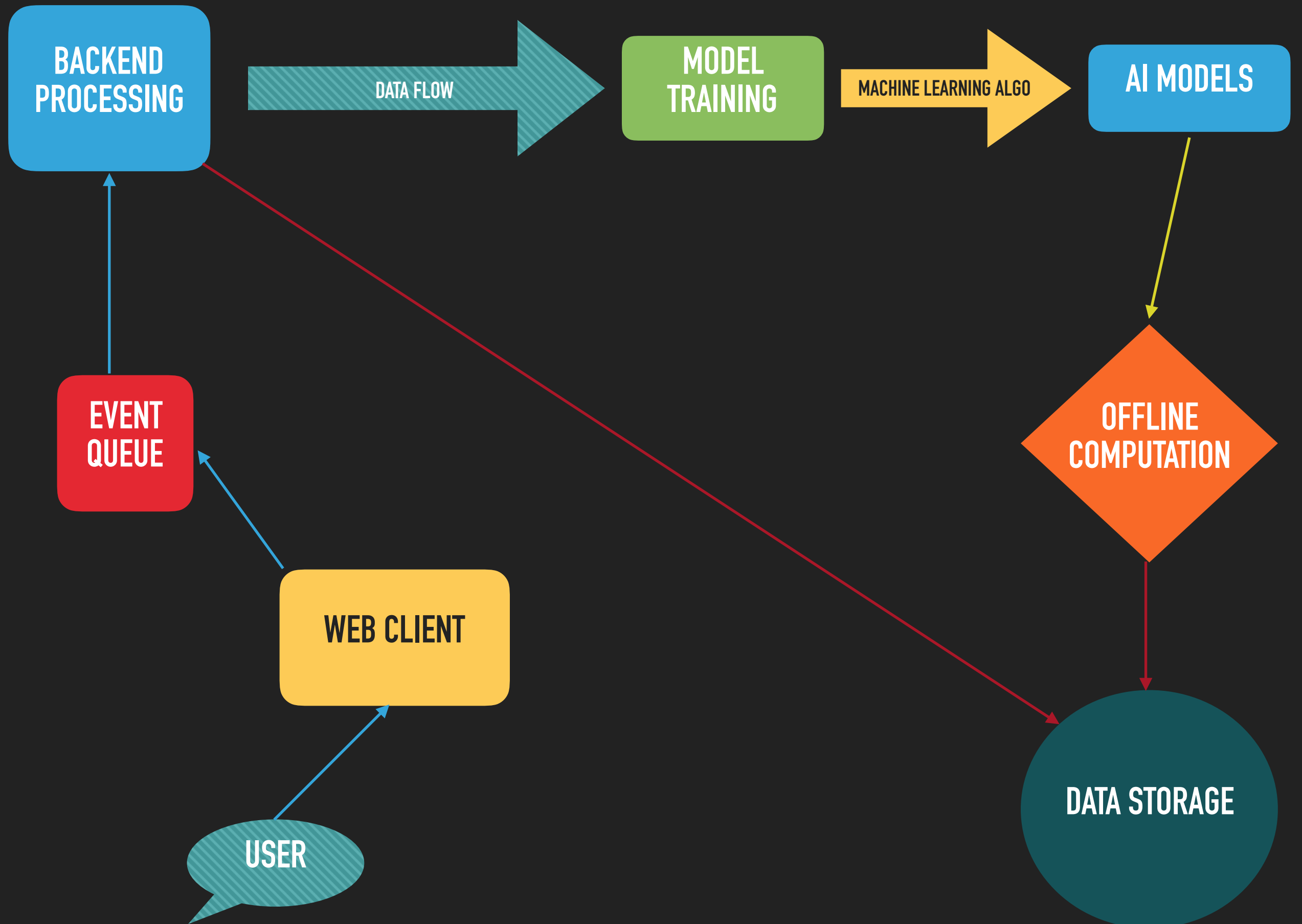
MODEL TRAINING

MACHINE LEARNING ALGO

AI MODELS

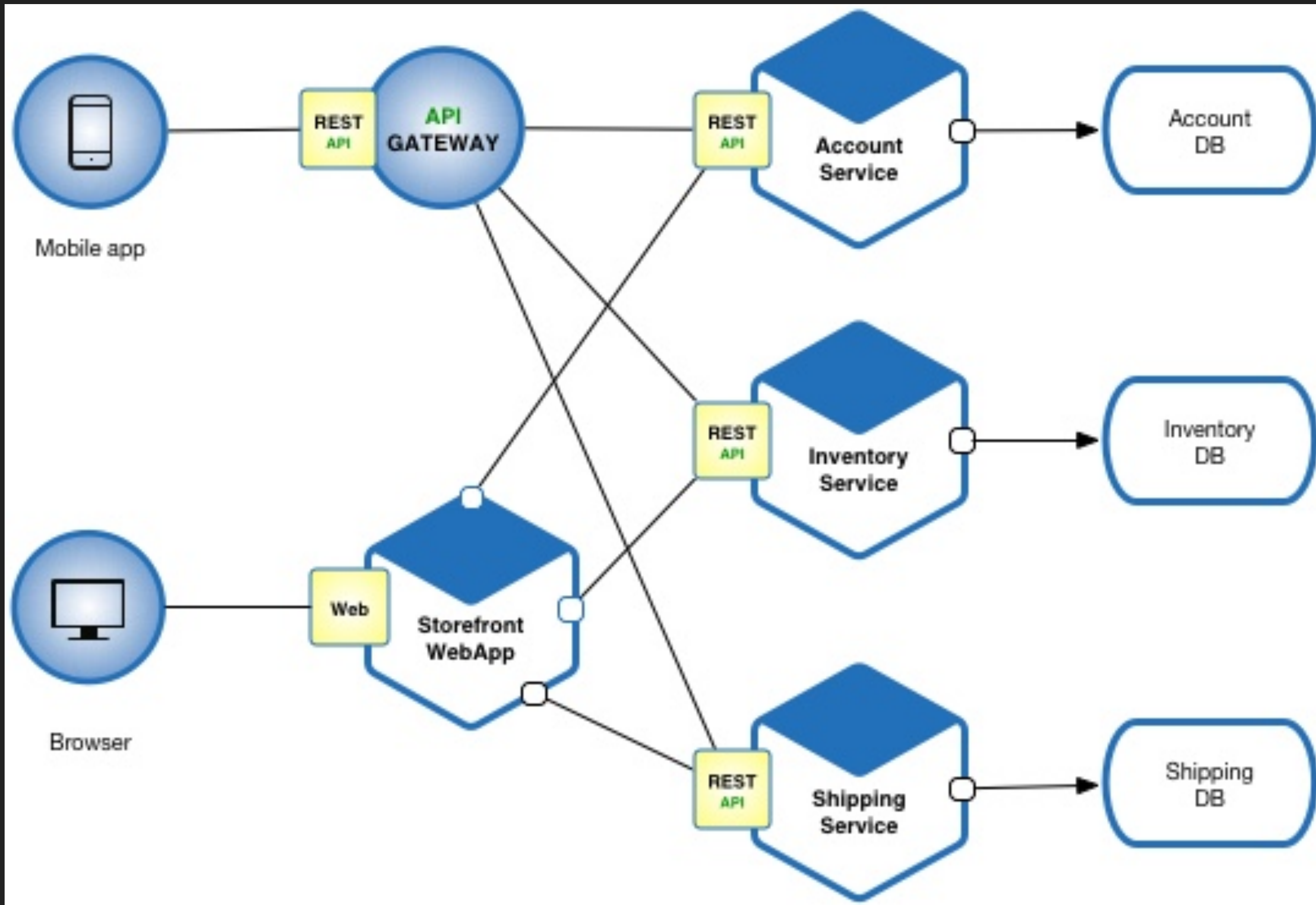


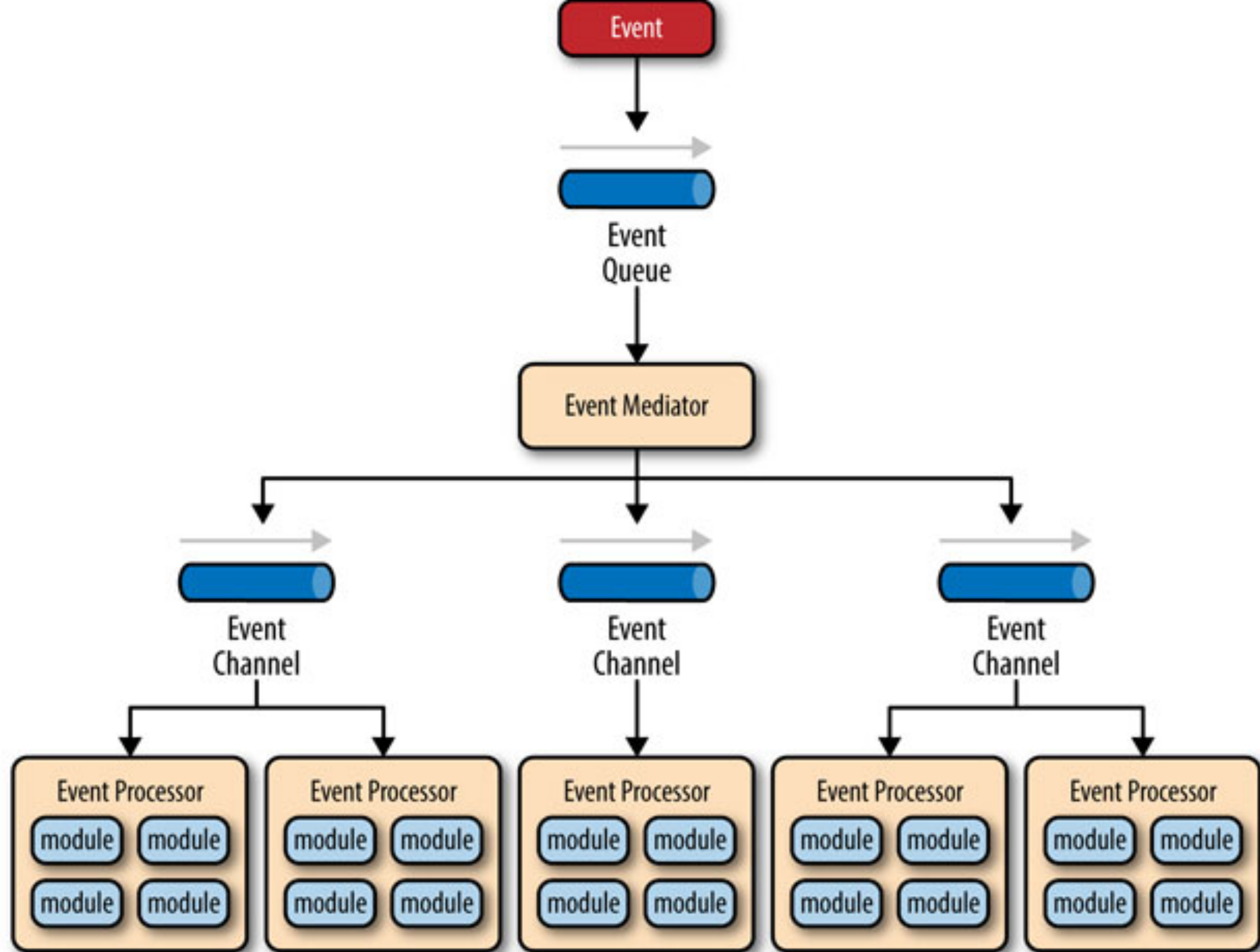


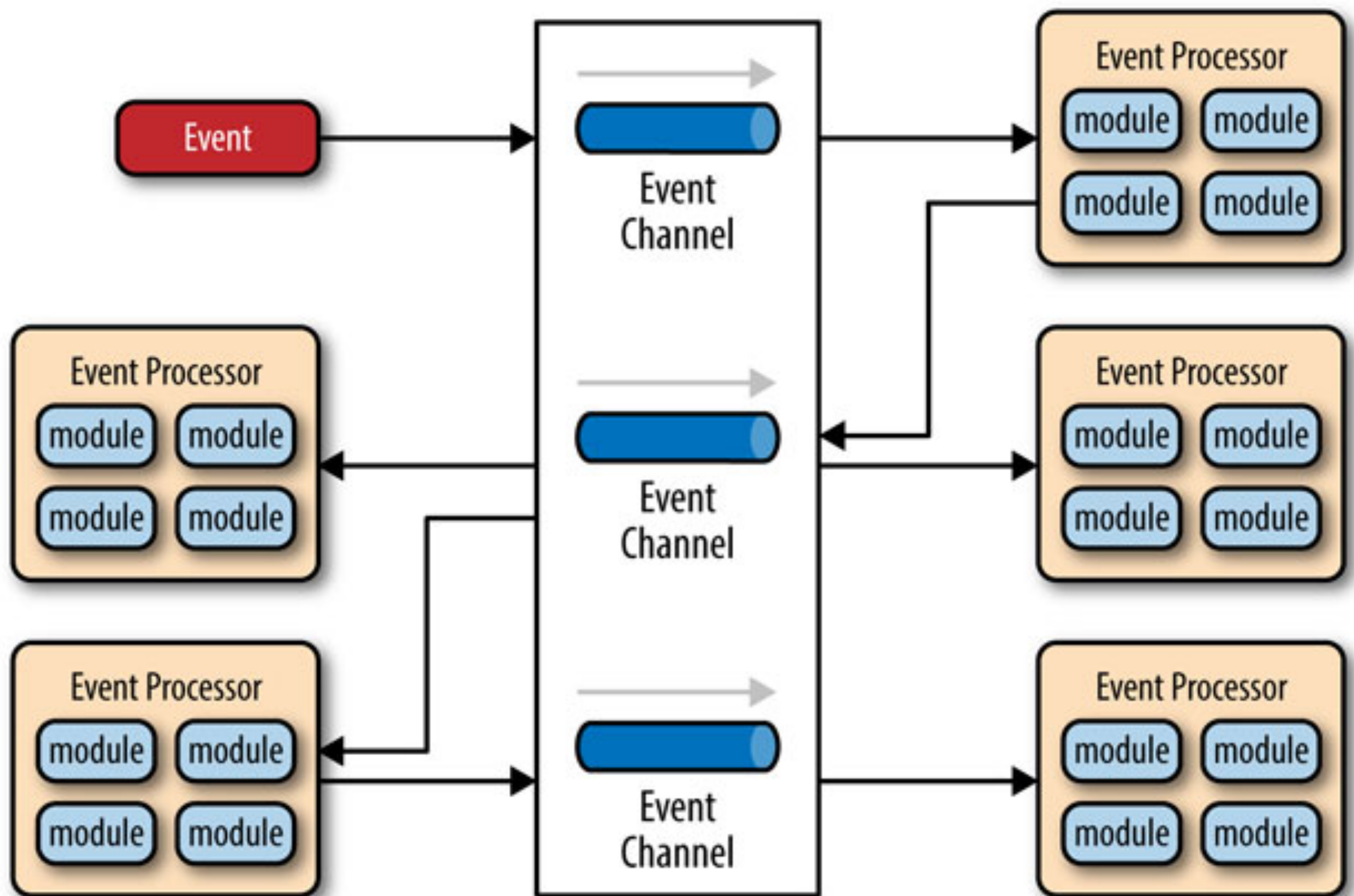


**IF YOU THINK GOOD
ARCHITECTURE IS EXPENSIVE,
TRY BAD ARCHITECTURE.**

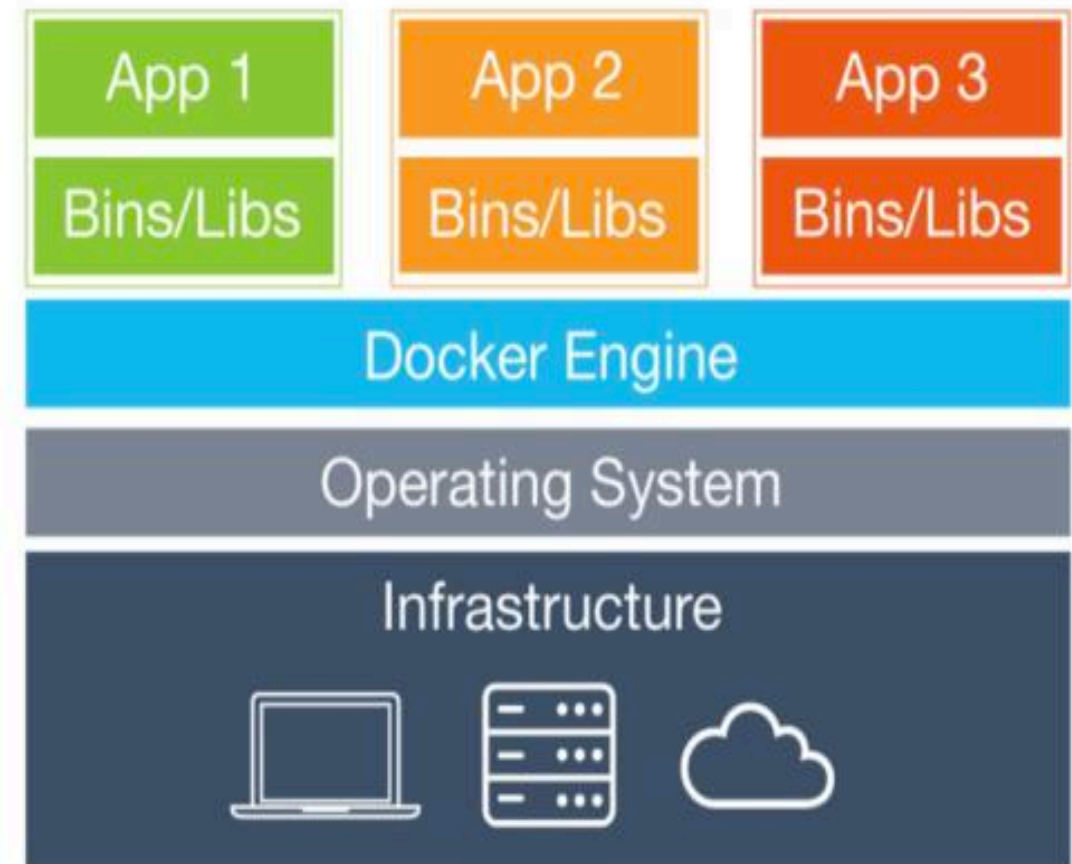
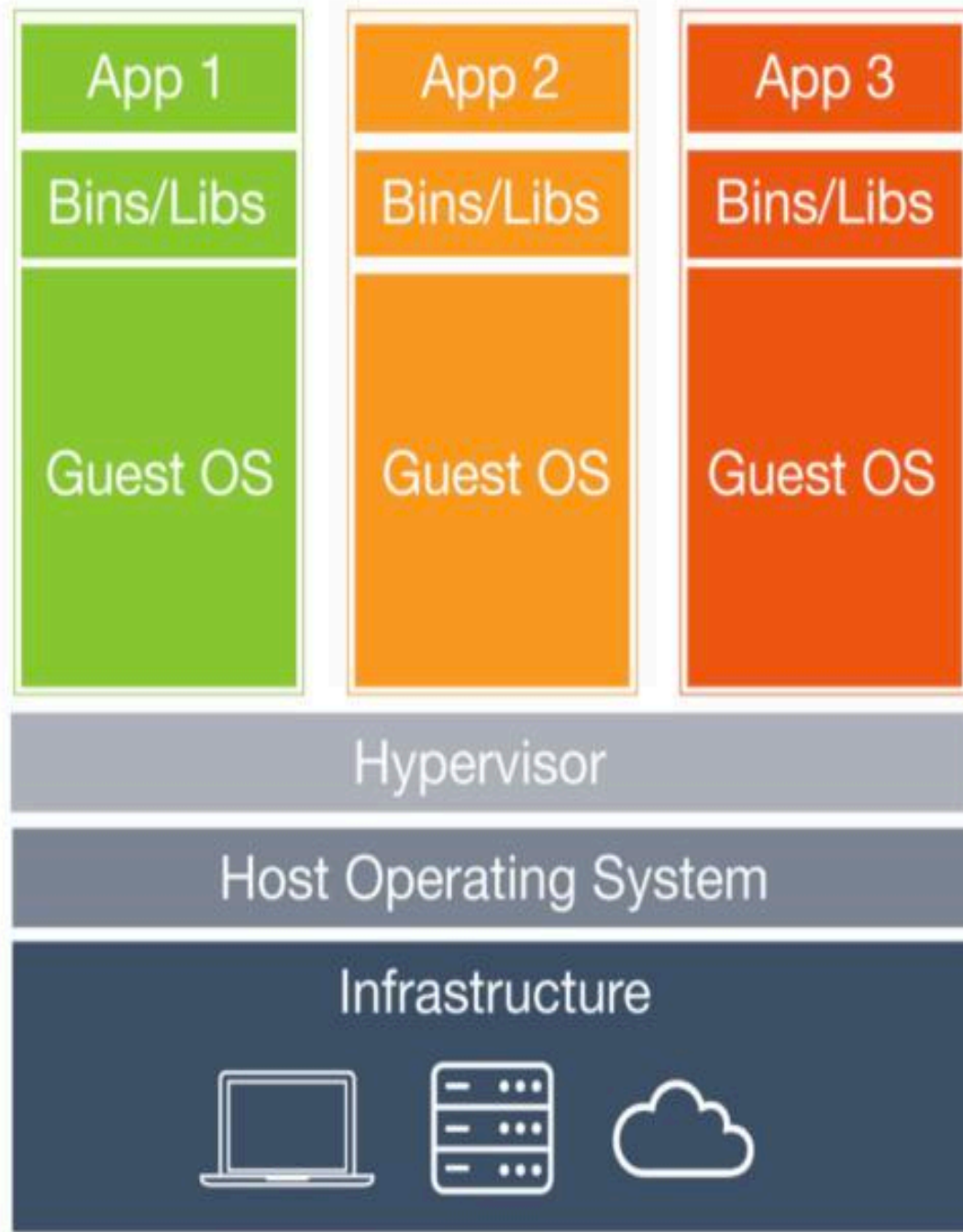
Brian Foote







Docker vs Virtual Machine



KUBERNETES ARCHITECTURE

User Interface



kubectl

Kubernetes Master

API Server

Scheduler

Controller-Manager

etcd

Worker Node 1

Pod 1

Container 1
Container 2
Container 3

Pod 2

Container 1

Pod 3

Container 1
Container 2

DOCKER

kubelet

Kube-proxy

Worker Node 2

Pod 1

Container 1
Container 2

Pod 2

Container 1
Container 2
Container 3

Pod 3

Container 1

DOCKER

kubelet

Kube-proxy

REST API

CLIENT



application

REQUEST

REST API endpoint URL + API method + parameters

request example

https://api.flickr.com/services/rest/?method=flickr.photos.getinfo&photo_id=2079357948

REST API ENDPOINT URL

METHOD

PARAMETERS

RESPONSE

representation of resource

REST XML-RPC SOAP JSON Serialized PHP

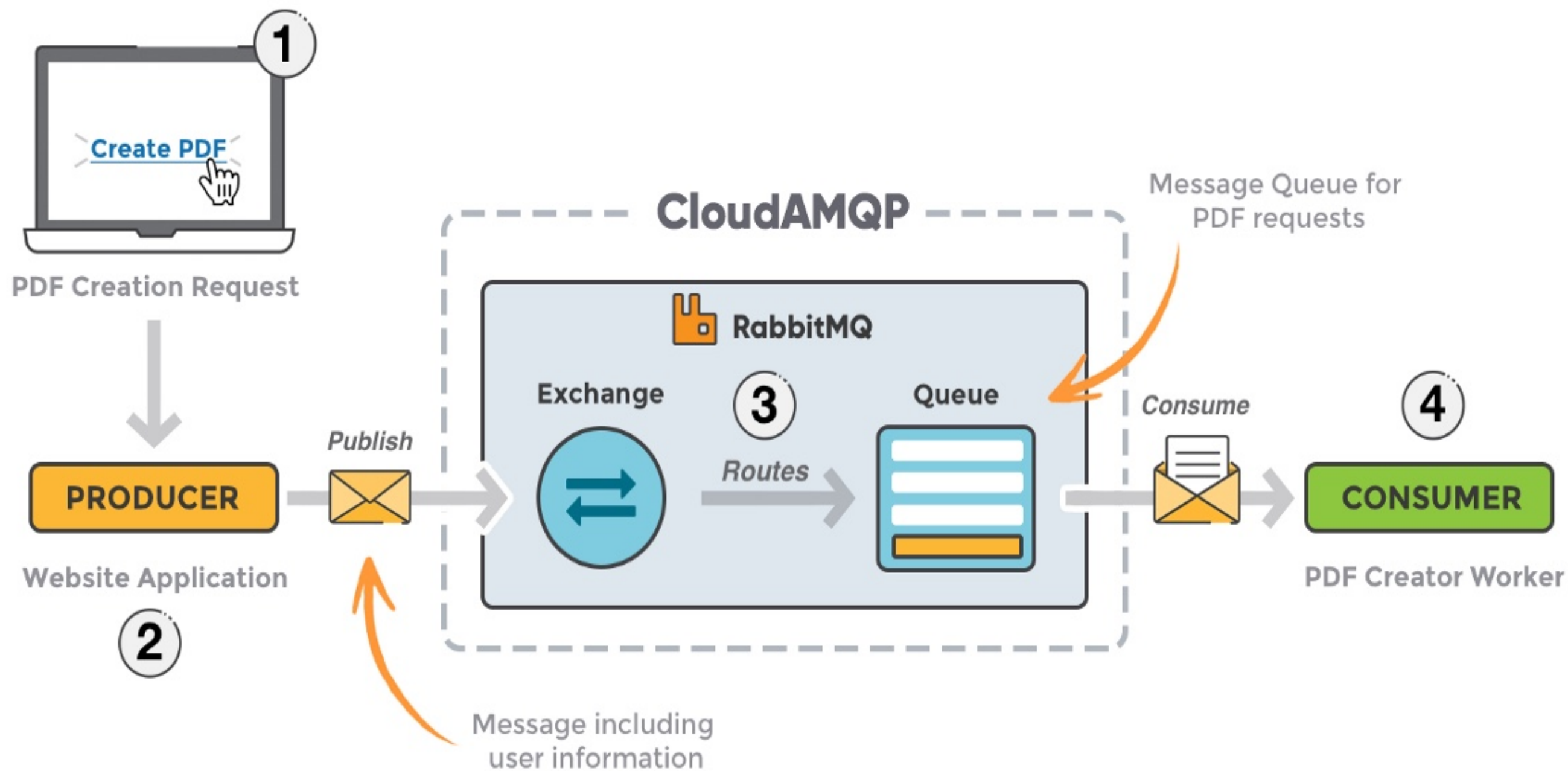
WEB SERVER

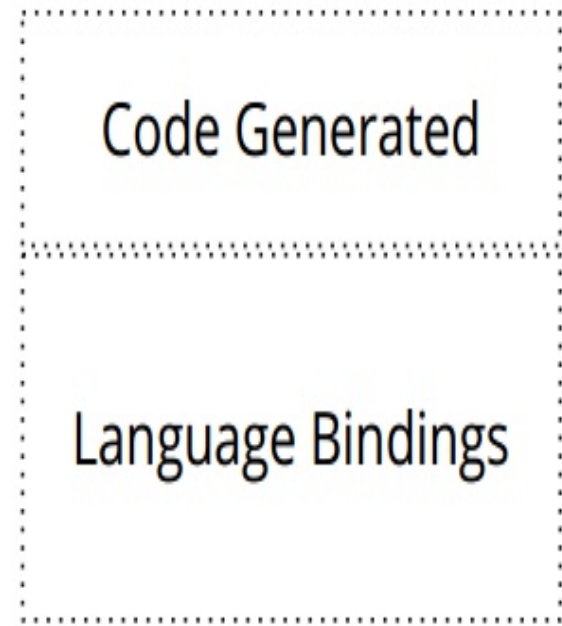
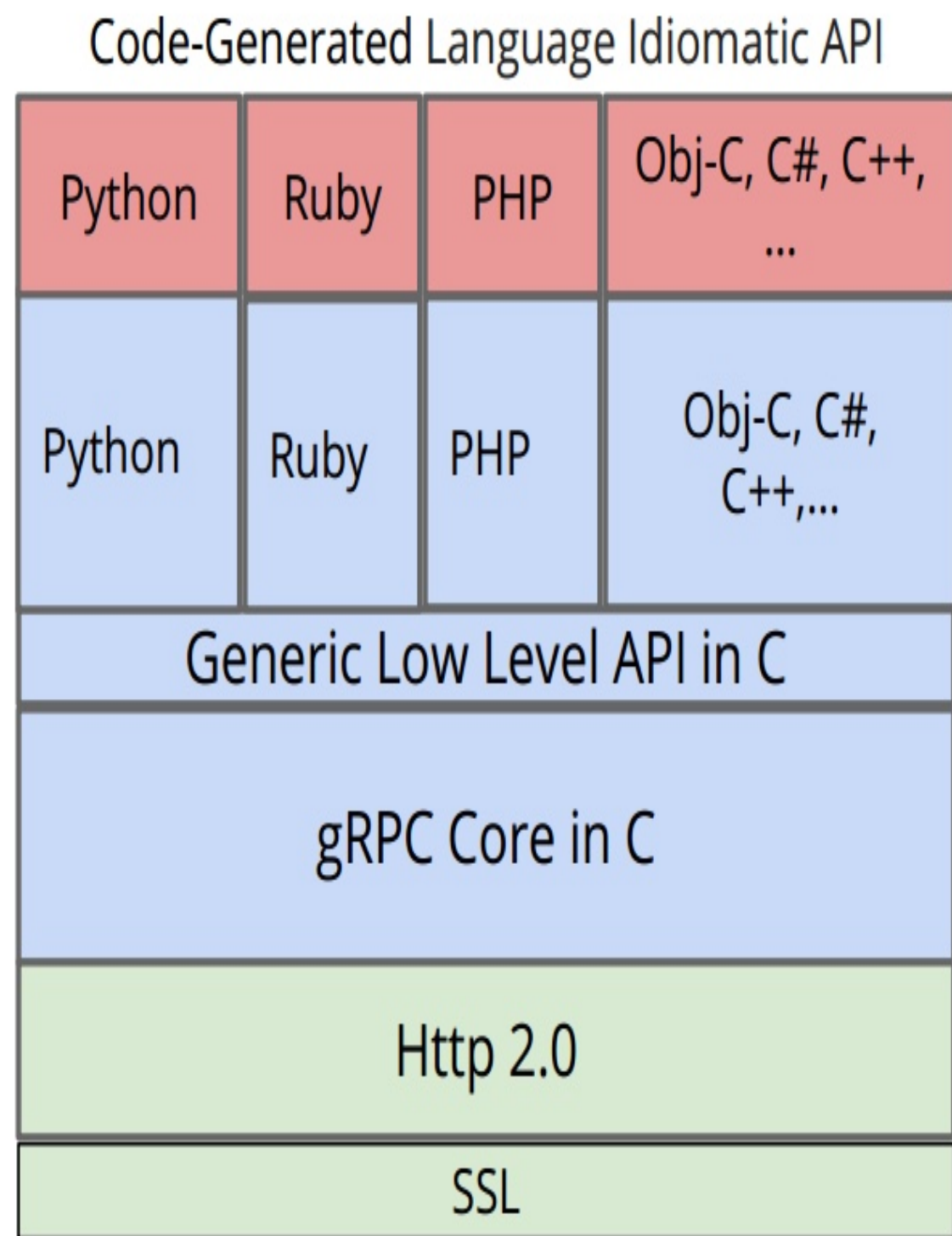
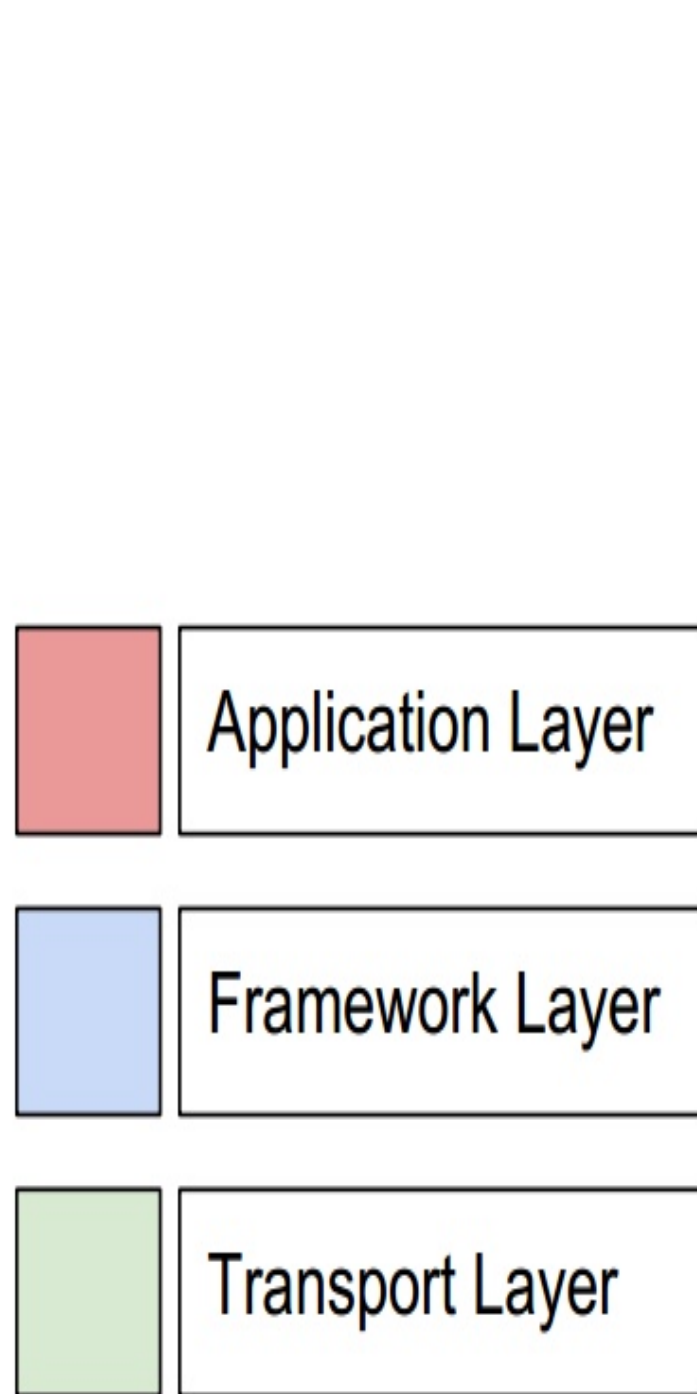


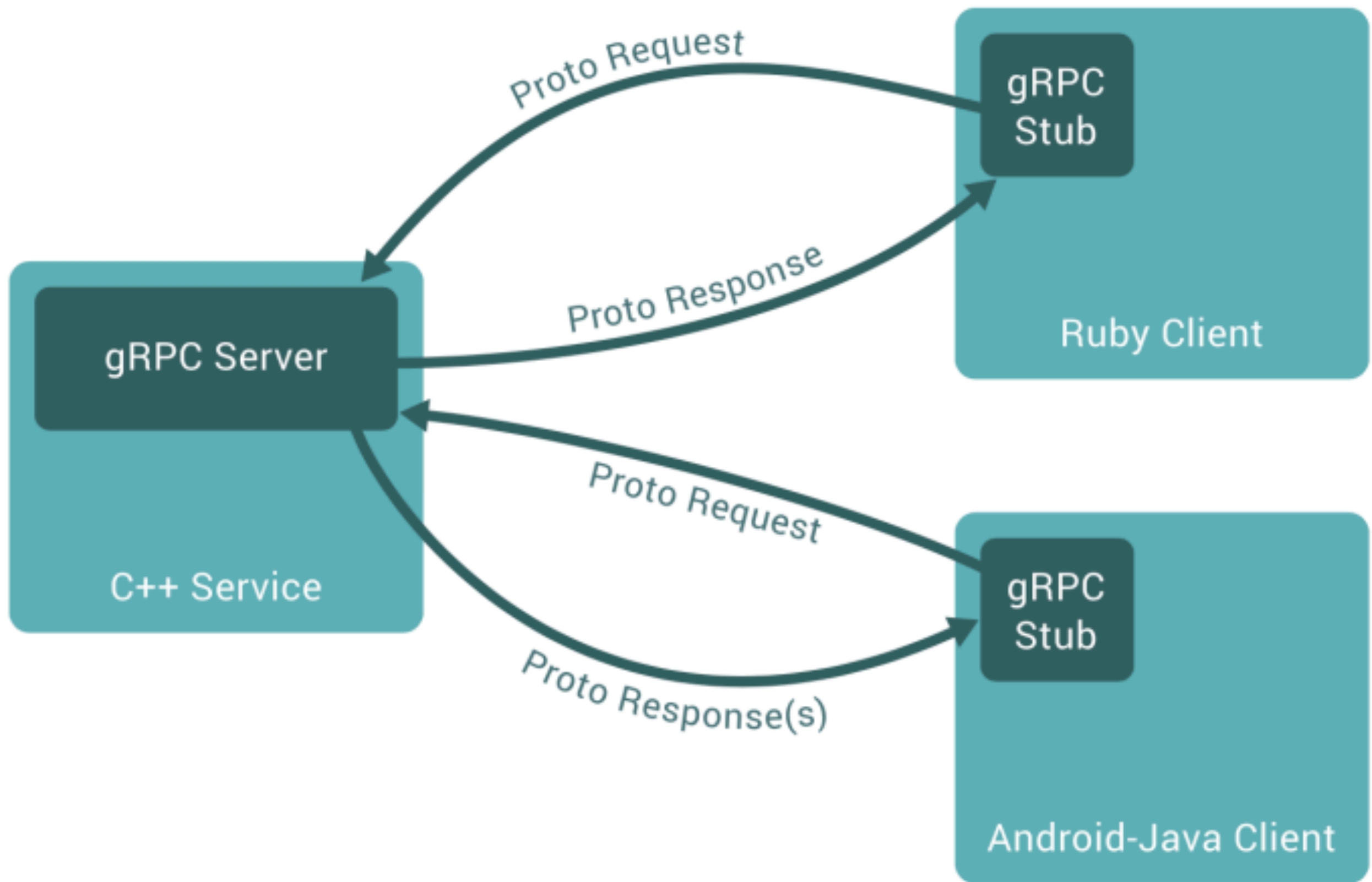
API

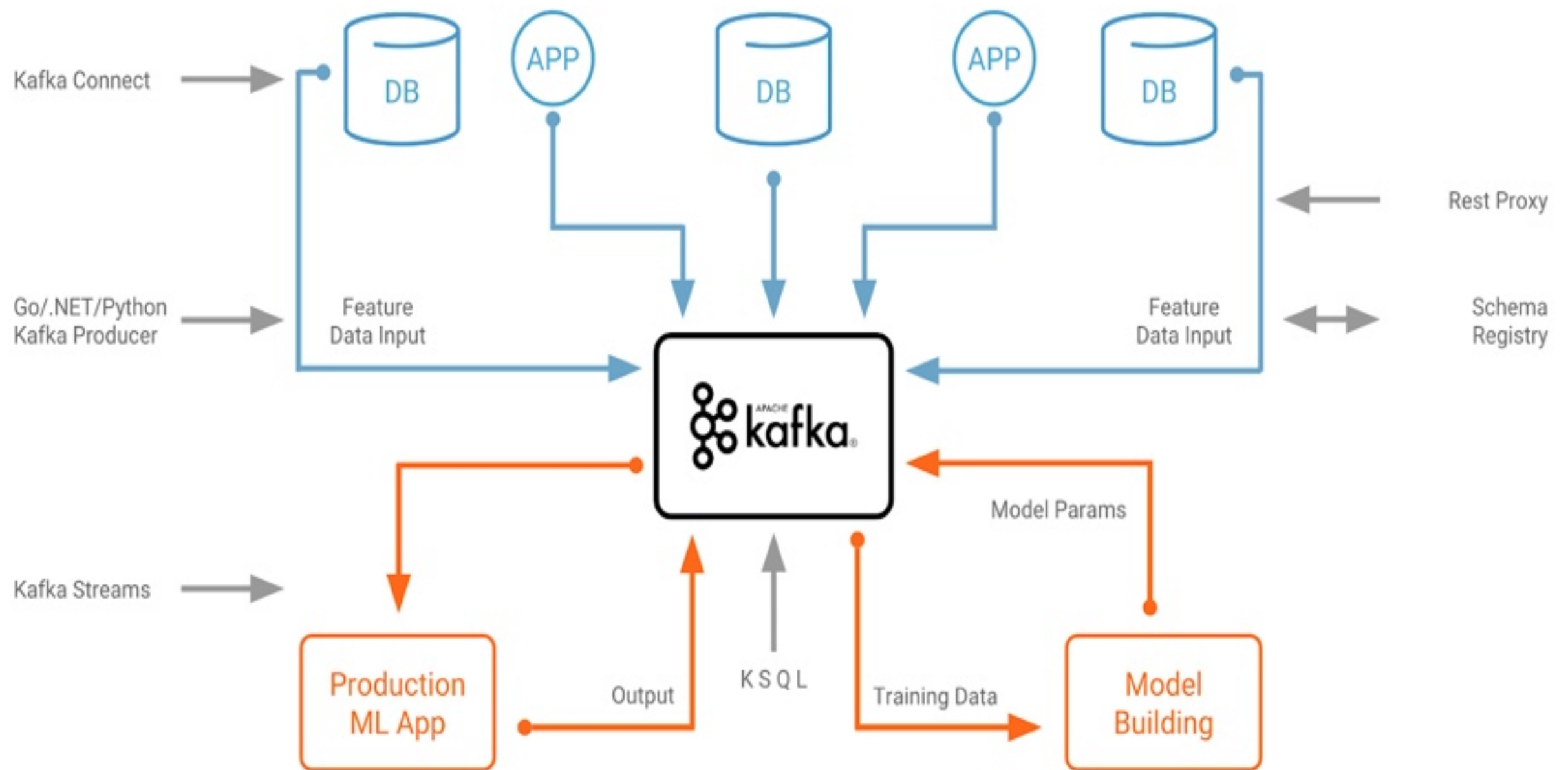
(useful methods)

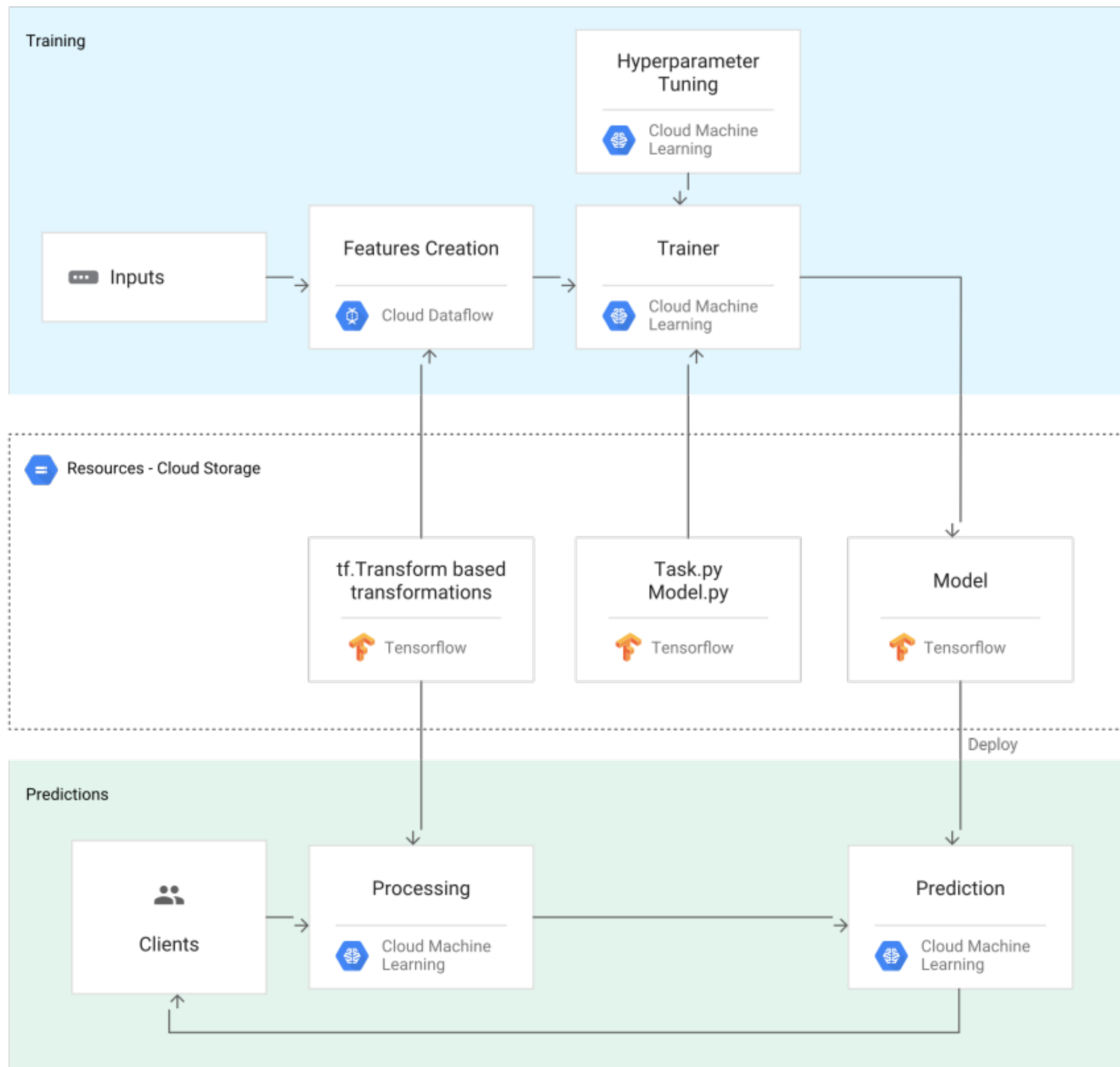
representational state transfer application programming interface











Q_{SiCu}A