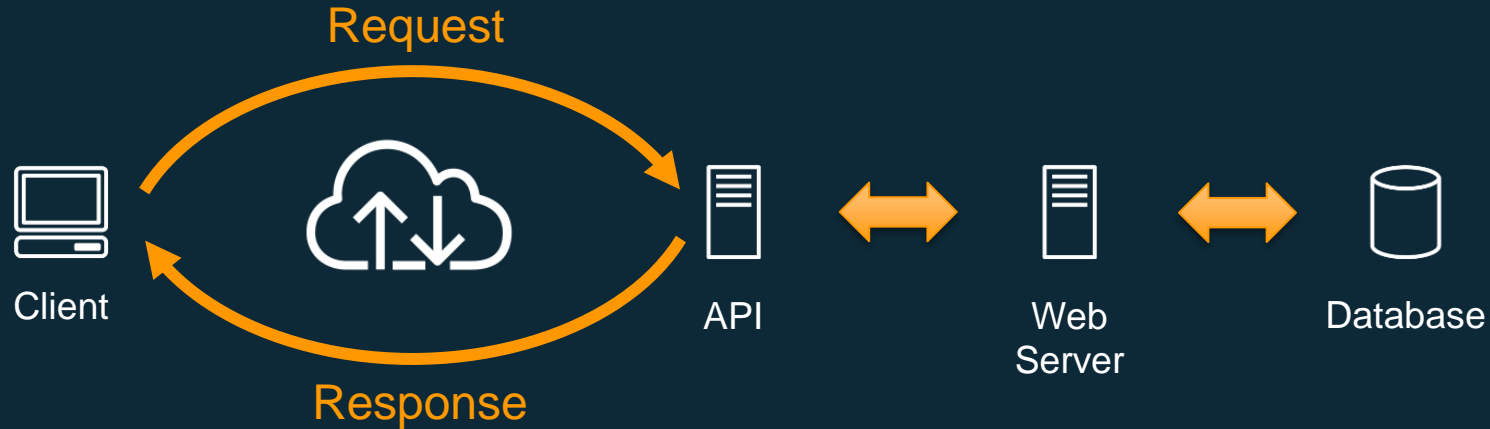


What's API?

API stands for Application
Programming Interface



Application Programming Interface (API)



Web Services offer APIs for developers to use, e.g.:

- Social Networks – Facebook, Twitter, etc.
- Payment Processing – Amazon Pay, PayPal, etc.



For Free

- Drives Adoptions of APIs
- Typically low valued assets
- Drive brand loyalty
- Enter new channels

Example:



Facebook Login API provides free authentication for any Web / mobile app



Developer Pays

- Business Asset must be of high value to the Developer
- For example, marketing analytics, news,
- Capabilities such as credit checks

Example:



IBM Cloud – No cost trials, pay per use, scale up and down



Developer Gets Paid

- Provides incentive for developer to leverage web API
- Ad placements
- Percentage of revenue sold product or services

Example:



Google AdSense APIs pay developers who include advertising content into apps



Indirect

- Use of API achieves some goal that drives business model.
- E.g. Increase awareness of specific content, or offerings

Example:



eBay Trading APIs offer developers access to trading services extending the reach of listings and transactions

About APIs

The API economy



Total revenue of \$1134
millions in 2019



Generates 60% of its
revenue through APIs



Generates 90% of its revenue
through APIs



Generates 60% of its revenue
through APIs



10K third apps created by
community

RESTFul APIs

Cloud Computing

As APIs were generating social buzz across the Internet, Amazon saw the potential of an RESTful approach to business, internalized and saw APIs in a way that nobody had seen them before - giving birth to an approach to using APIs that was much more than just e-commerce, it would reinvent the way we compute.



A Mobile World

With the introduction of iPhone and Android smart phones, APIs had evolved from powering e-commerce ,social and the cloud to delivering valuable resources to the mobile phones in our pockets, that are quickly becoming commonplace around the globe.

APIs make valuable resources modular, portable and distributed, making them a perfect channel for developing mobile and table applications of all shapes and sizes.

[illegible]

According to estimations by the McKinsey Global Institute, the IoT will have a total economic impact of up to **\$11 trillion** by 2025.

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Modern vehicles are API consuming machines



Use... as Cloud Logic Layer



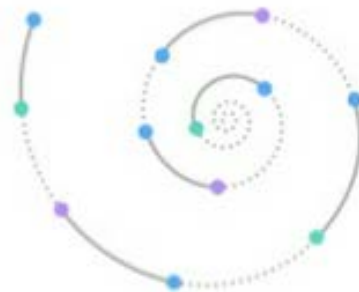
AWS Lambda
Functions



Azure Cloud
Functions



Google Cloud
Functions



IBM
OpenWhisk