

# Creating Web Services with Go

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## GETTING STARTED



### Overview



### Web Services Overview



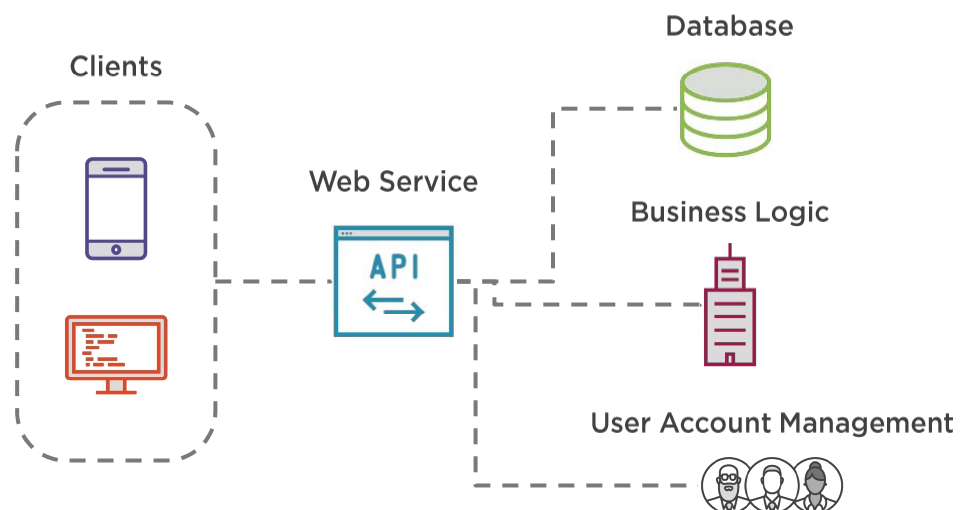
## Web Services Overview

- REST (Representation State Transfer)

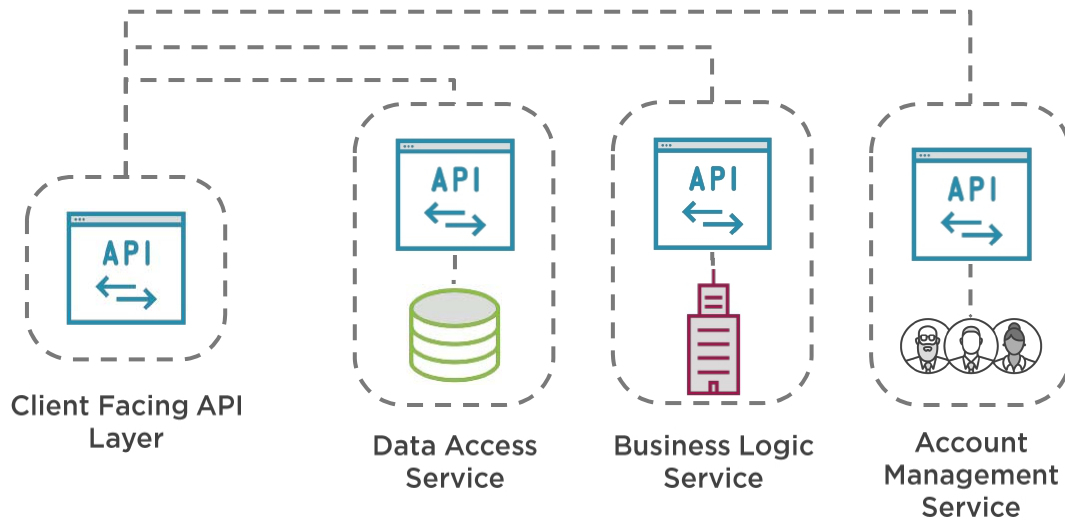
## Handling HTTP Requests

- GET, PUT, POST, DELETE

## Web Services



## Web Services



## REST

Representational State Transfer

## URI Patterns

Endpoint	Resource
<code>http://globomantics.com/api/products</code>	All product resources
<code>http:// glob....cs.com/api/products/123</code>	Single product with ID “123”

## Request Methods

HEAD	GET	CONNECT
PUT	TRACE	POST
OPTIONS	DELETE	PATCH

```
[
  {
    "productId": 4568,
    "manufacturer": "Big Box Mfg",
    "sku": "x78426lq1",
    "upc": "93986215015",
    "pricePerUnit": "$57.90",
    "productName": "Robot Controller"
  }
]
```

◀ Square brackets are used to enclose arrays

◀ Curly Braces are used to enclose objects

◀ Allowed data types include:

string

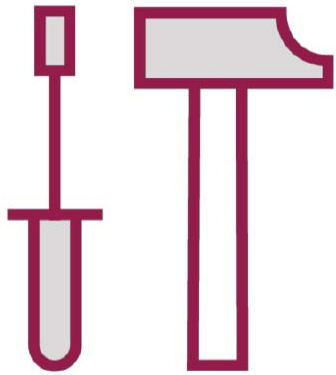
number

boolean

null / empty

## Status Codes

Code	Description
200: Success	Request was received and successfully processed
300: Redirection	Used to redirect the user agent in order to fulfill the request
400: Client Error	Something was wrong with the request sent from the client
500: Server Error	Something unexpected happened while processing the request



Go

Microsoft Visual Studio Code

Postman

MySQL

Summary



Web Services Overview