How to build Successful APZ products?

Application Programming Interfaces (APIS) are systems or applications which enable other systems to connect with them and exchange information in a standard & secure manner

in why do we need APTS

s connect different systems

s exchange information

stake actions

APLS abstract out the complexity of the application program by creating well defined interfaces for interaction

APIS ove the contract between two systems

APV documentation specify the contract details

every APV is designed to a specification

rules out of the specification needs to be followed to get response

minimal restrictions

muy require registeration, API keys or Oluth

Portner APIS

exposed by business portners or vendors

private access with authentication

well documented

internal consumption by various teams

private access with authentication

may or may not be well documented

A characteristics of a product

solve customer point point

created through a well defined process

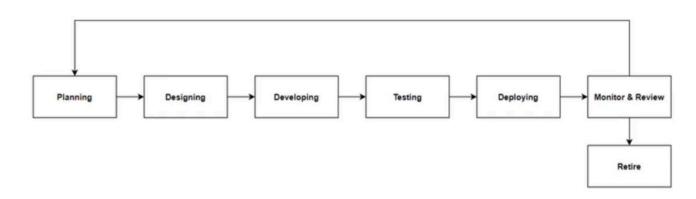
creates value for business and customer

and defined success metrics

collection of multiple footures or sub products

A When an API is significant enough to your business model, you need to consider it as a product

APT product life cycle



ITLE SUCCESS of an API program is measured by how well it moves a business toward its goals

1 APZ stakeholders

API customers

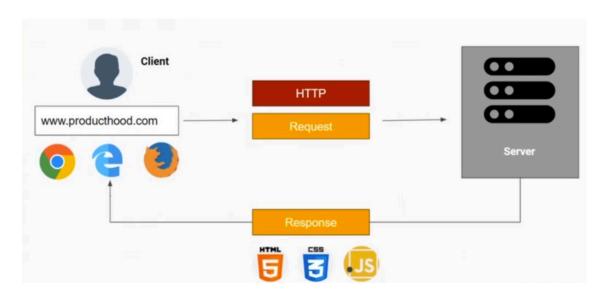
API consumers

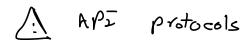
API consumers

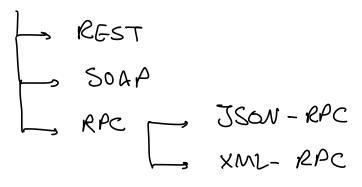
API end users

The Aveilability, portormance, and security of your APIS have a direct impact on the user experience of end-users

A How does the web work?







API technology

- 1) Protocols (3) reguest (3) response (4) cultivation
- (5) and point (6) hooders (7) response codes
- (8) Peyload

The client and server should be independent of each other.

The changes you make on the server shouldn't affect the client and vice-revsa

I REST APLS are stateless

server does not store client session information

every request must have all information required

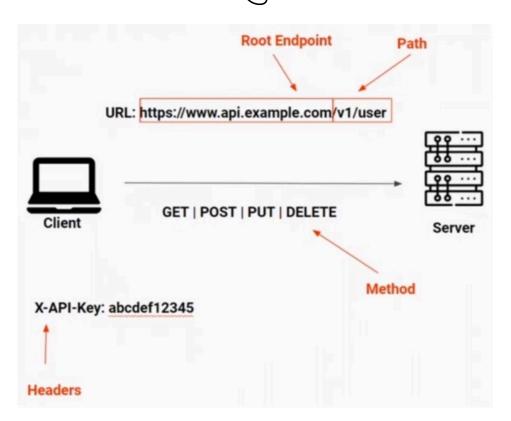
to process it

seach request is new and can not be affected by

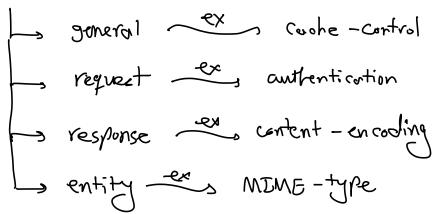
the previous request

The REST API client should have the ability to cache the responses on this improves the user experience by making them faster and more efficient

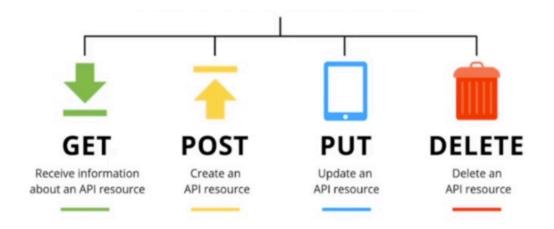
REST APT request anotomy







A REST API methods

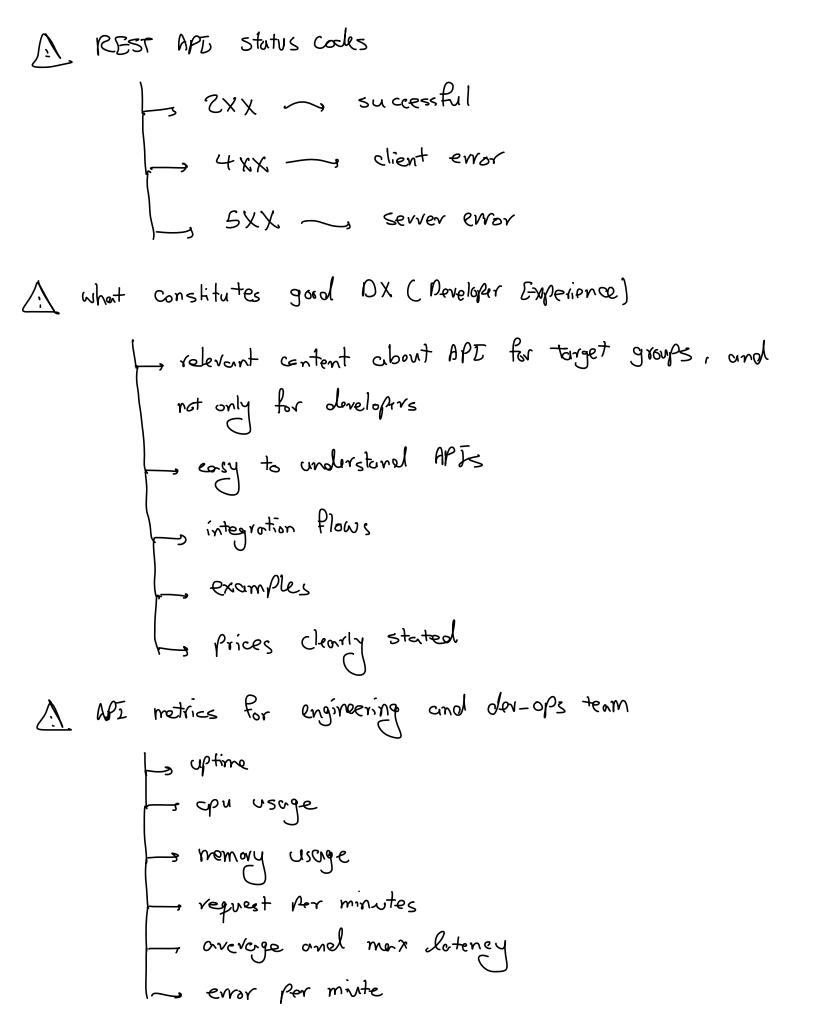


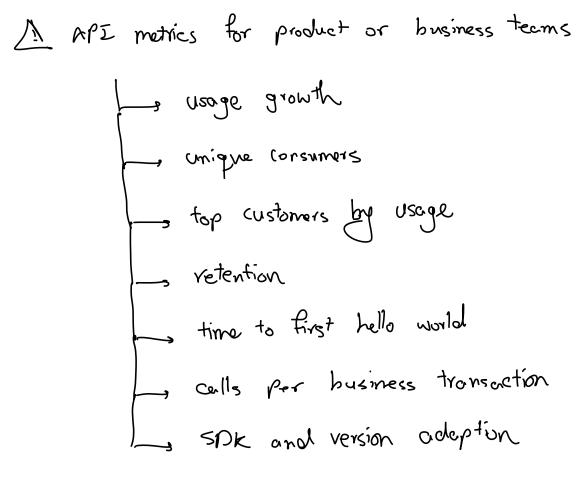
A JSON is a data forment for sending and requesting data
through a REST API

a collection of name/value pairs or objects
on array of ordered list of values

1 REST APZ Security

Ly outherization suhat can you do?





API decumentation

a quick stant instructions

list all APIs

southentiention

sound box environment

somple codes, SDRs or libraries

API support

API status