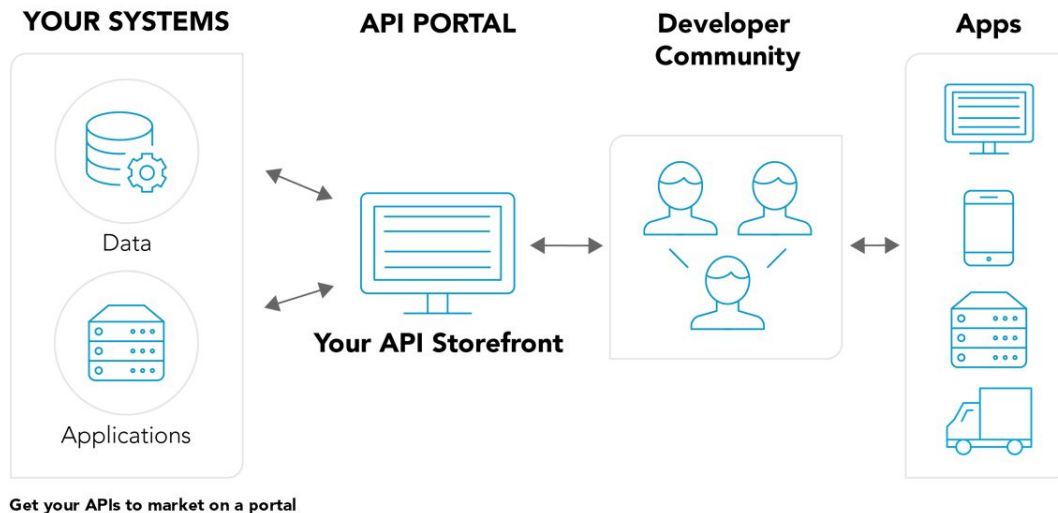


REST APIs

Getting information from the internet

API

An **A**pplication **P**rogramming **I**nterface is a software intermediary that allows two applications to talk to each other. Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.



REST APIs

REST or [RESTful API](#) design (**R**epresentational **S**tate **T**ransfer) is designed to take advantage of existing protocols. While REST can be used over nearly any protocol, it usually takes advantage of HTTP when used for Web APIs. This means that developers do not need to install libraries or additional software in order to take advantage of a REST API design.

Key advantage of REST APIs:

- Provide a great deal of flexibility: Data is not tied to resources or methods, so REST can handle multiple types of calls, return different data formats.

HTTP Status Codes



Hands On

Asynchronous JavaScript And XML

AJAX is not a programming language.

AJAX just uses a combination of:

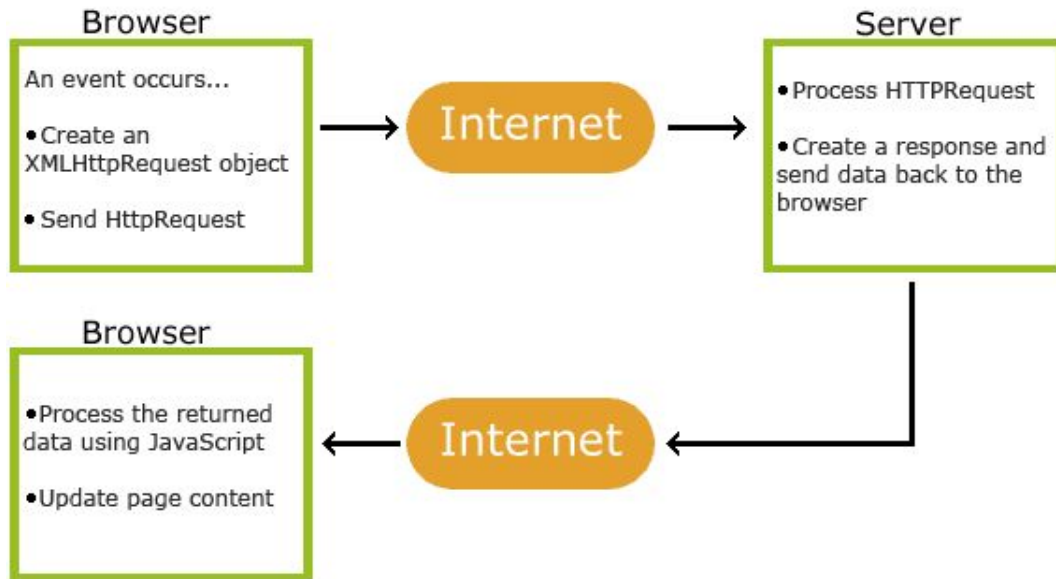
- A browser built-in XMLHttpRequest object (to request data from a web server)
- JavaScript and HTML DOM (to display or use the data)

AJAX

AJAX

AJAX is a misleading name. AJAX applications might use XML to transport data, but it is equally common to transport data as plain text or JSON text.

How it works:





Hands On



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