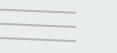


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Pragmatic Product Leader Course

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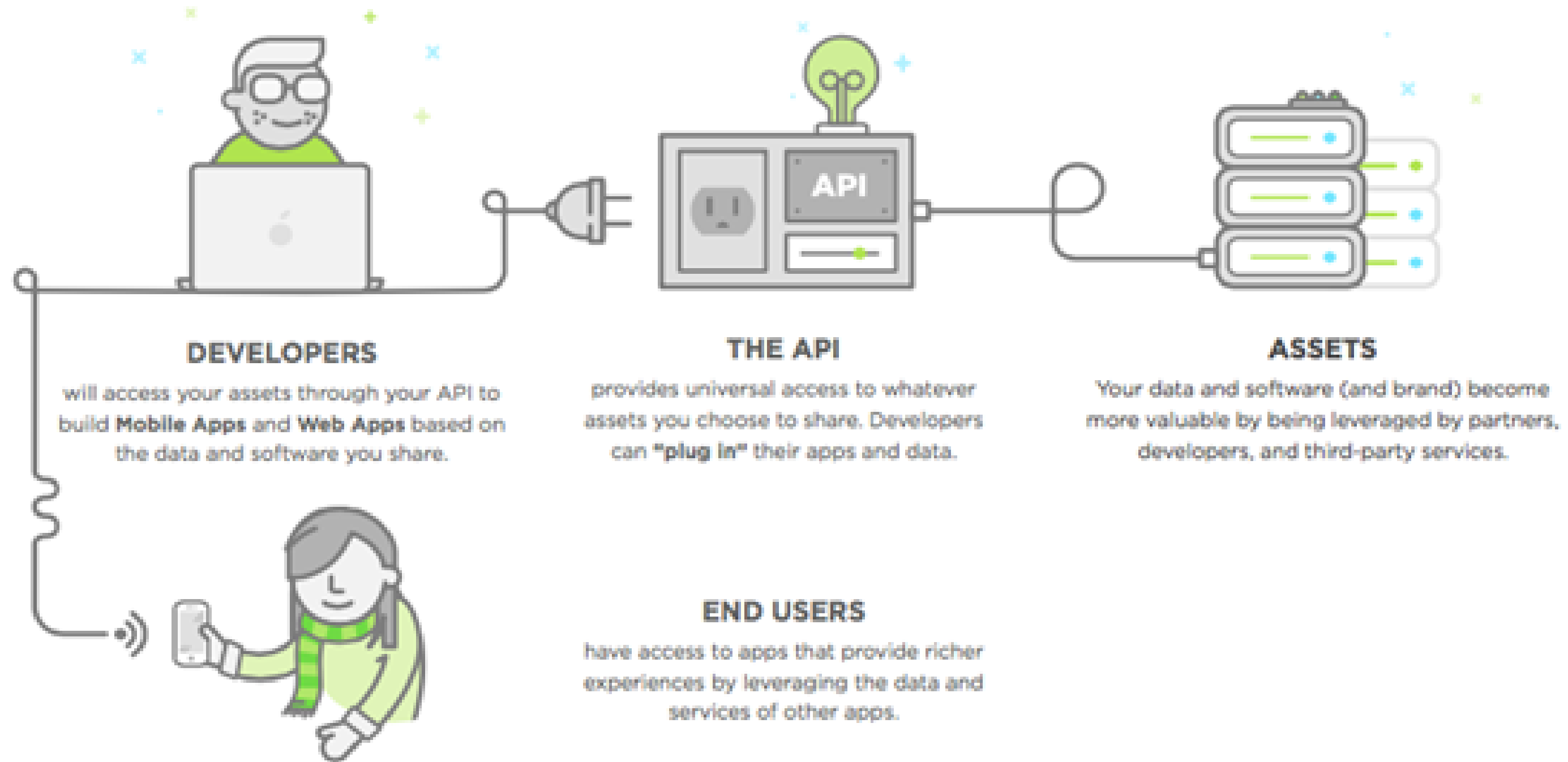


Lesson 14E

API: Functions



API - How do they work?





API - Functions



Doorway

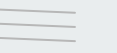
- An API functions as a doorway or gateway to the server or database
- This can be accessed by those with an API key to that doorway
- The key can provide specific access like read-only, write-only or read-write
- The key can also be set up for specific users and not all

Communication system

- APIs allow applications and devices to communicate and connect with each other
- It enables the flow of data between the applications and devices
- Allows developers and users talk to the apps effectively
- This is one of the main functions that make APIs create a rich user experience

Build an app from another app

- APIs allow you to create applications that use other applications as their core functionality



API - Functions



Universal access system

- Provides a platform independent interaction access
- Irrespective of the operating system, device type, etc, everyone gets the same experience and access
- Think of it as a universal plug, that lets you use your electrical appliance in every country

Filter

- Through APIs, users access your servers that contain data of varying levels of confidentiality
- As a result, it is important to practice greater security to protect the data on the servers
- APIs can be set in a way to give controlled access to your assets on the servers
- API designs should be done in ways to ensure safety of your assets while controlling the traffic to your servers



To conclude

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Thank you.