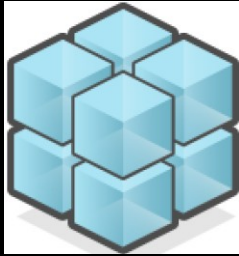


# Week13- APIs

PhoneGap

Native APIs

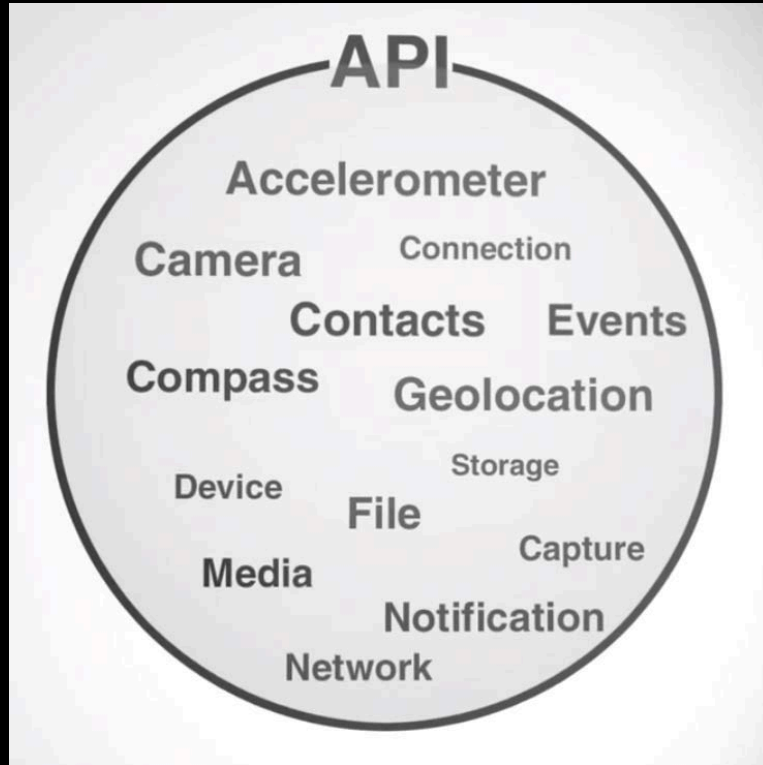
# Native APIs



## Access native features

- PhoneGap provides a bridging library to access the device features and handles communication with the native OS
- Many JS frameworks started to emerge for mobile devices: jQuery, JQM, Sencha Touch, Dojo, etc.

# Native APIs



Native APIs

# Native APIs

Geolocation

Contacts

Camera

Accelerometer: Access to device motion sensors

Device: Gather device specific information

Network: Quickly check the network state

Events: Hook into native events through JavaScript

Notification: Visual and audible device notifications

File: Hook into native file system through JavaScript

# Native APIs

API Reference Documentation

<http://docs.phonegap.com/en/1.9.0/index.html>

# Native APIs

Camera

Contacts

Scrolling

Sliding pages

# Native APIs

Add Plugin Features from CLI documentation page:

```
$ cordova plugin add org.apache.cordova.device
```

```
$ cordova plugin add org.apache.cordova.camera
```

```
$ cordova plugin add org.apache.cordova.media-capture
```

```
$ cordova plugin add org.apache.cordova.media
```

[http://docs.phonegap.com/en/3.4.0/  
guide\\_cli\\_index.md.html#The%20Command-Line%20Interface](http://docs.phonegap.com/en/3.4.0/guide_cli_index.md.html#The%20Command-Line%20Interface)

# Native APIs

If there is any problem with installation check user issues, permissions, on this link:

<http://stackoverflow.com/questions/17975330/bash-cordova-command-not-found-or-bash-phonegap-command-not-found>



# Native APIs

PhoneGap APIs tutorial by Christophe Coenraets

<http://coenraets.org/blog/cordova-phonegap-3-tutorial/>

Download lab files