

# Использование Visual Studio Tools for Apache Cordova в реальных проектах



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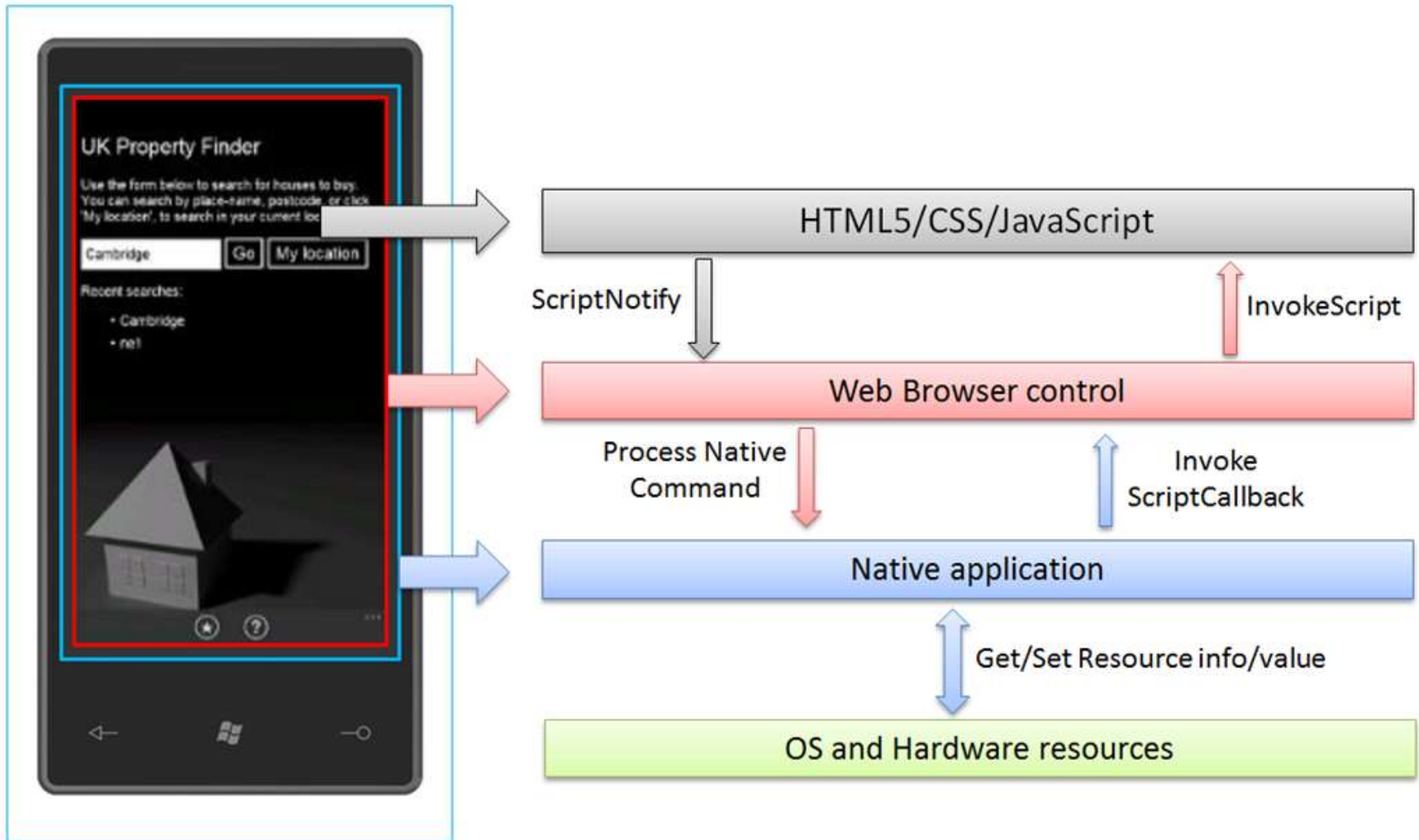


shabanov.anton

# Apache Cordova

1. Платформа для разработки нативных мобильных приложений с использованием HTML, CSS и JavaScript
2. Поддерживаются все современные мобильные платформы ( )
3. Гибкая система плагинов на все (почти) случаи жизни
4. Очень хороша для прототипирования, но доставляет немало неудобств в платформоспецифичном функционале

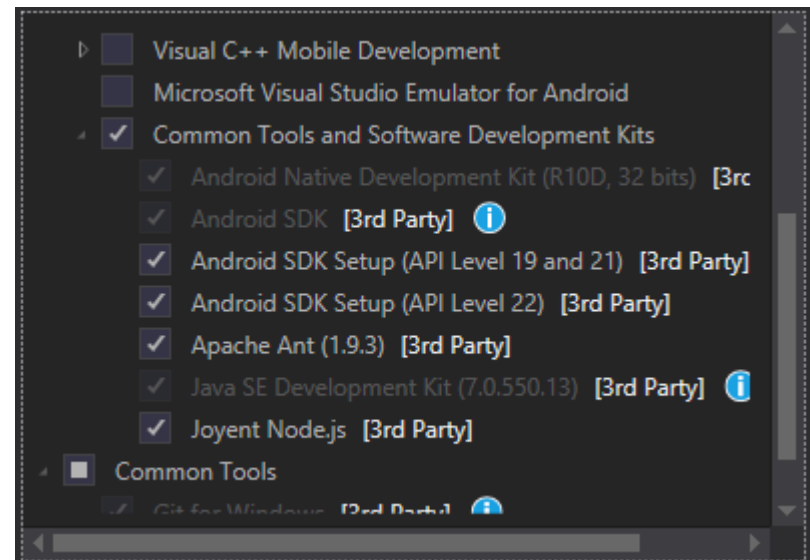
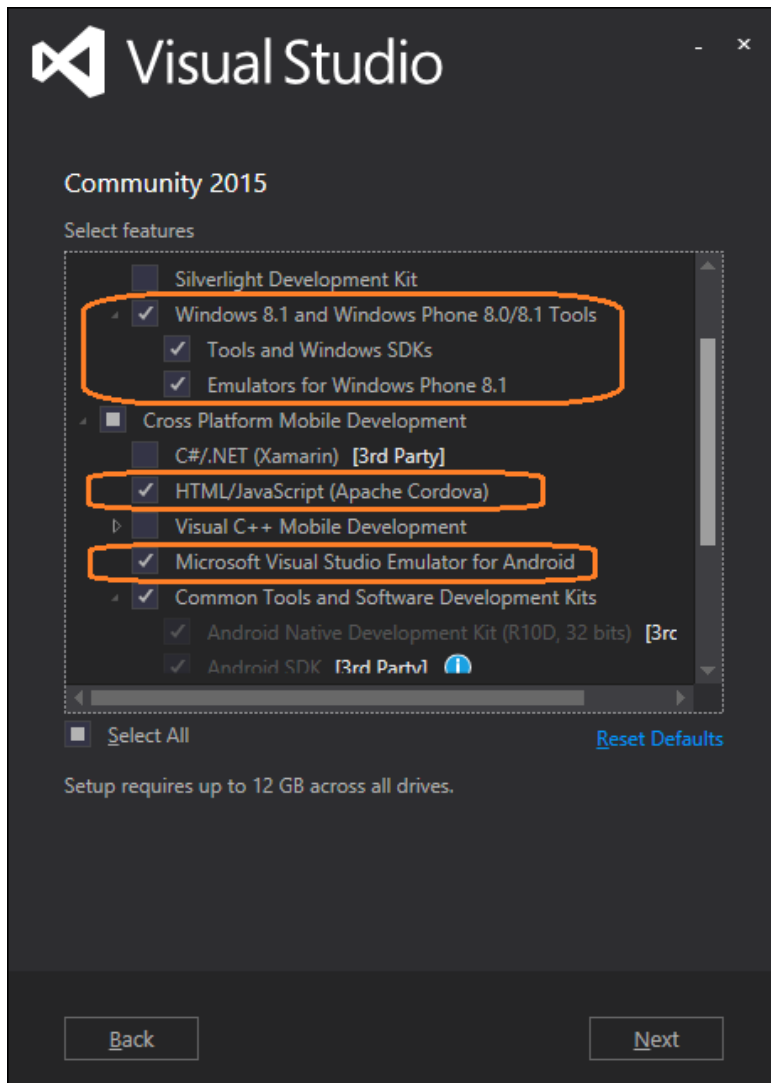
# Apache Cordova



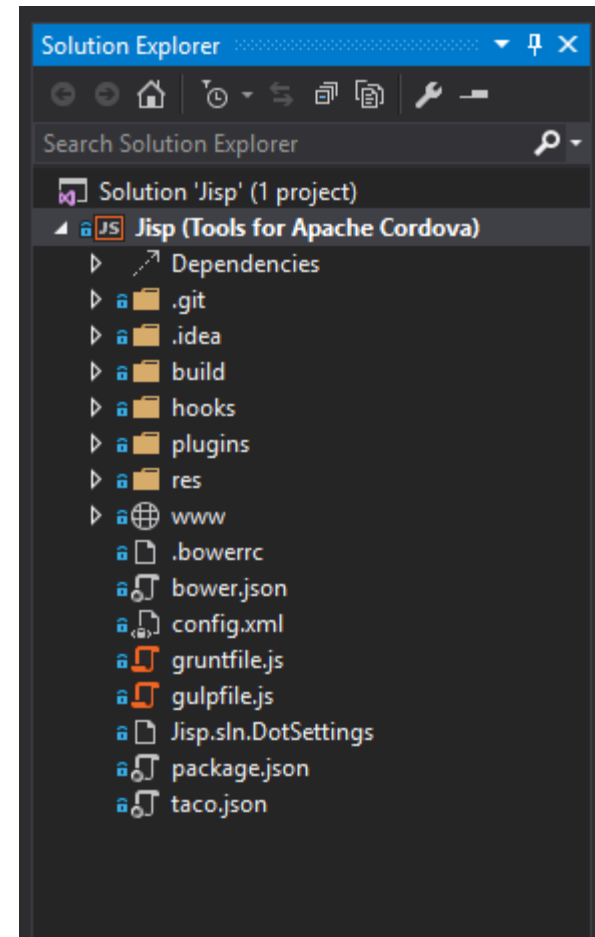
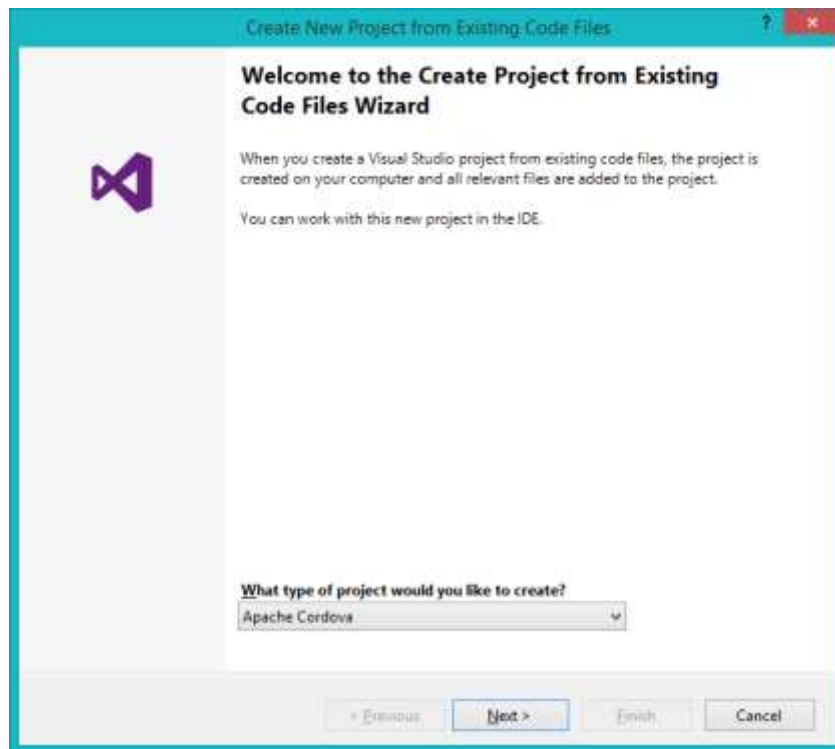
# Visual Studio Tools for Apache Cordova

1. Visual Studio 2015 (можно Community)
2. Windows 7+ или Mac
3. Mac/Xcode 6+ для сборок под iOS
4. Hyper-V или Intel HAXM драйвер
5. Android SDK для сборки под Android и Ripple
6. Java SDK
7. Ant
8. NodeJS

# Visual Studio Tools for Apache Cordova



# Импорт существующих проектов



# Импорт существующих проектов

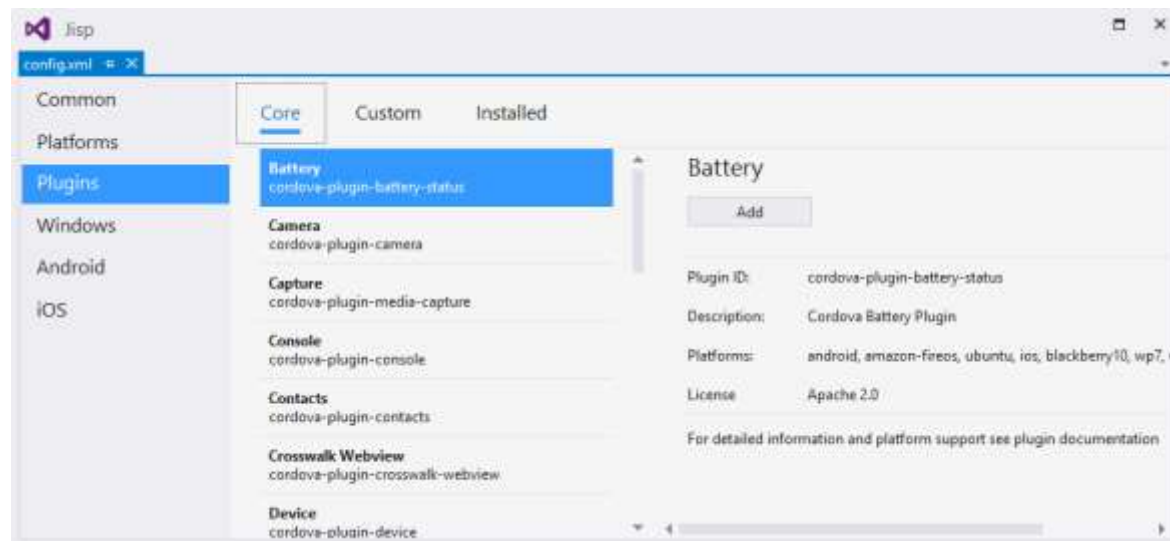
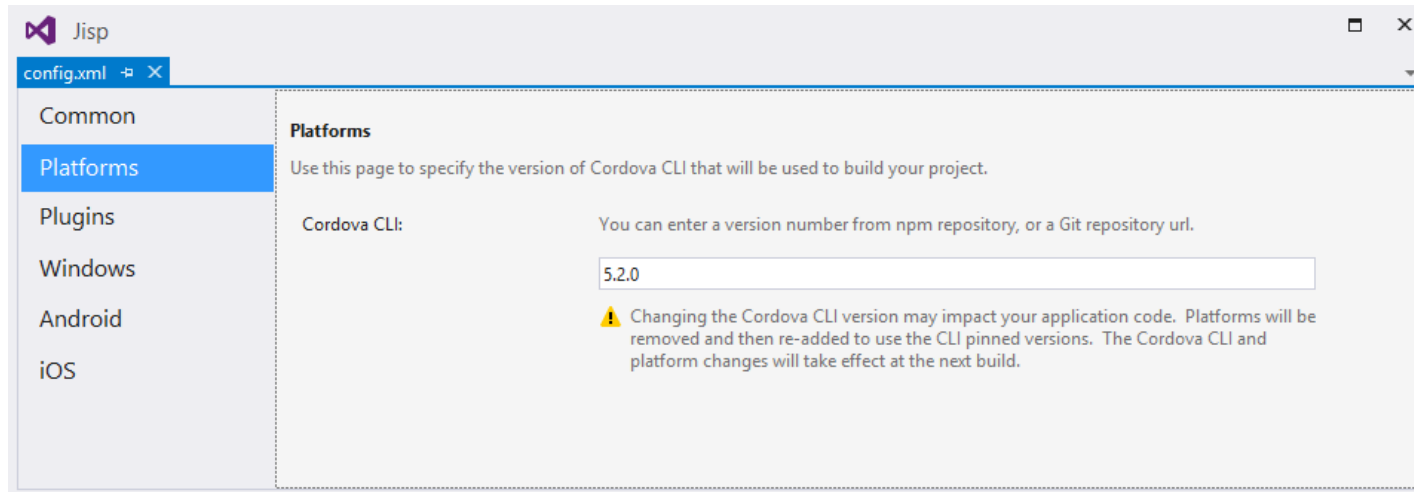
Visual Studio (Administrator) interface showing the development of an Android application. The main editor displays the `OfferController.js` file, which contains JavaScript code for handling offers and notifications. The Solution Explorer on the right shows the project structure, including folders like `Account`, `App`, `Beacon`, `Bluetooth`, `Config`, `Error`, `Favourites`, `Feedback`, `Filters`, `Flash`, `Form`, `List`, `Loader`, `Log`, `Notification`, `Offer`, and `Profile`. The Output window at the bottom shows debug logs, including messages about Bluetooth status and application exit.

```
OfferController.js:94 offer.rejected = false;
OfferController.js:95 if (err) {
OfferController.js:96   notificationService.pushNotification({
OfferController.js:97     message: err,
OfferController.js:98     type: 'error',
OfferController.js:99     timeout: 5000
OfferController.js:100   });
OfferController.js:101 } else {
OfferController.js:102   offer.rejected = true;
OfferController.js:103   offer.liked = false;
OfferController.js:104
OfferController.js:105   if (offer.hasOwnProperty('listOffer')) {
OfferController.js:106     offer.listOffer.rejected = true;
OfferController.js:107     offer.listOffer.liked = false;
OfferController.js:108     $scope.clearActiveOffer();
OfferController.js:109   }
OfferController.js:110
OfferController.js:111   removeOfferFromFavouritesList($scope.offers, offer.id);
OfferController.js:112
OfferController.js:113   if ($scope.store) {
OfferController.js:114     removeOfferFromFavouritesList($scope.store.myOffers, offer.id);
OfferController.js:115     removeOfferFromFavouritesList($scope.store.myPromotions, offer.id);
OfferController.js:116   }
OfferController.js:117
OfferController.js:118   notificationService.pushNotification({
OfferController.js:119     message: 'Thank you, your feedback for this ' + offerOrPromotion(offer.type) + ' has been received',
OfferController.js:120     type: 'success',
OfferController.js:121     timeout: 3000
OfferController.js:122   });
OfferController.js:123 }
OfferController.js:124 }
```

Output window logs:

```
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
I/chromium(10758): [INFO:CONSOLE(11)] "At beacon", source: file:///android_asset/www/app/log/logService.js (11)
D/Callback(10758): attempting callback via intent: ComponentInfo{com.jsp.app/org.altbeacon.beacon.BeaconIntentProcessor}
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
I/art ( 7778): Explicit concurrent mark sweep GC freed 19420(492KB) AllocSpace objects, 0(0B) LOS objects, 23% free, 25MB/53MB, paused
55ms total 40.013ms
The program '[I] file:///android_asset/www/index.html#explore: WebKit' has exited with code -1 (0xffffffff).
D/Callback(10758): attempting callback via intent: ComponentInfo{com.jsp.app/org.altbeacon.beacon.BeaconIntentProcessor}
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
W/BeaconService(10758): Bluetooth is disabled. Cannot scan for beacons.
```

# GUI редактор файла проекта



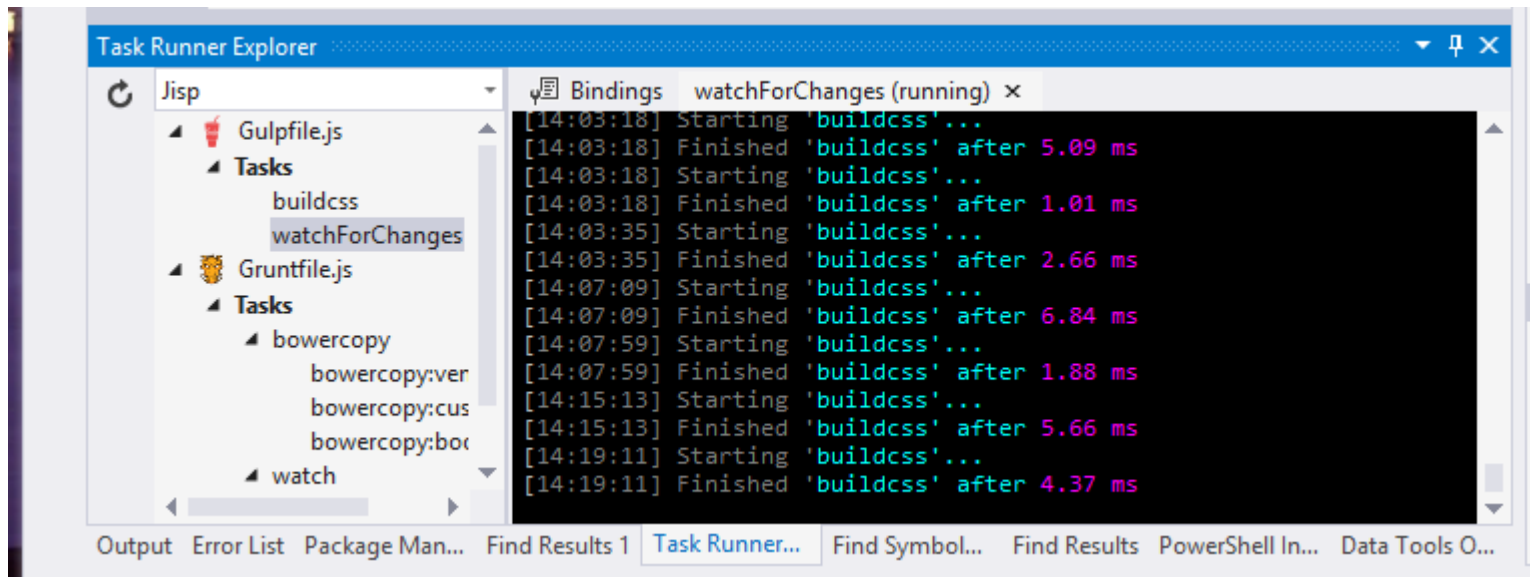


# Поддержка NPM и Bower

The image displays three components of Visual Studio related to NPM and Bower support:

- Solution Explorer:** Shows the project structure for 'Jisp (Tools for Apache Cordova)'. Under the 'Dependencies' folder, there are icons for Bower and NPM. The Bower dependencies list includes: angular (1.4.5), angular-animate (1.4.5), angular-animate-css (0.0.4), angular-route (1.4.5), bootstrap (3.3.5), fastclick (1.0.6), font-awesome (4.4.0), jquery (1.11.2), moment (2.10.3), and open-sans (1.1.0).
- Package Manager Console:** Shows the output of the command `PM> npm list`. The output lists installed packages and their versions, such as `browser-sync@1.9.2`, `browser-sync-client@1.0.2`, `commander@2.8.1`, `graceful-readlink@1.0.1`, `connect@3.4.0`, `debug@2.2.0`, `ms@0.7.1`, `finalhandler@0.4.0`, `escape-html@1.0.2`, and `on-finished@2.3.0`.
- Toolbox:** Shows the `package.json` file. The 'dependencies' section is expanded, showing a list of dependencies with version ranges. A tooltip for the `browserify` dependency indicates that the version `^2.9.3` matches the most recent major version (1.x.x).

# Task runner

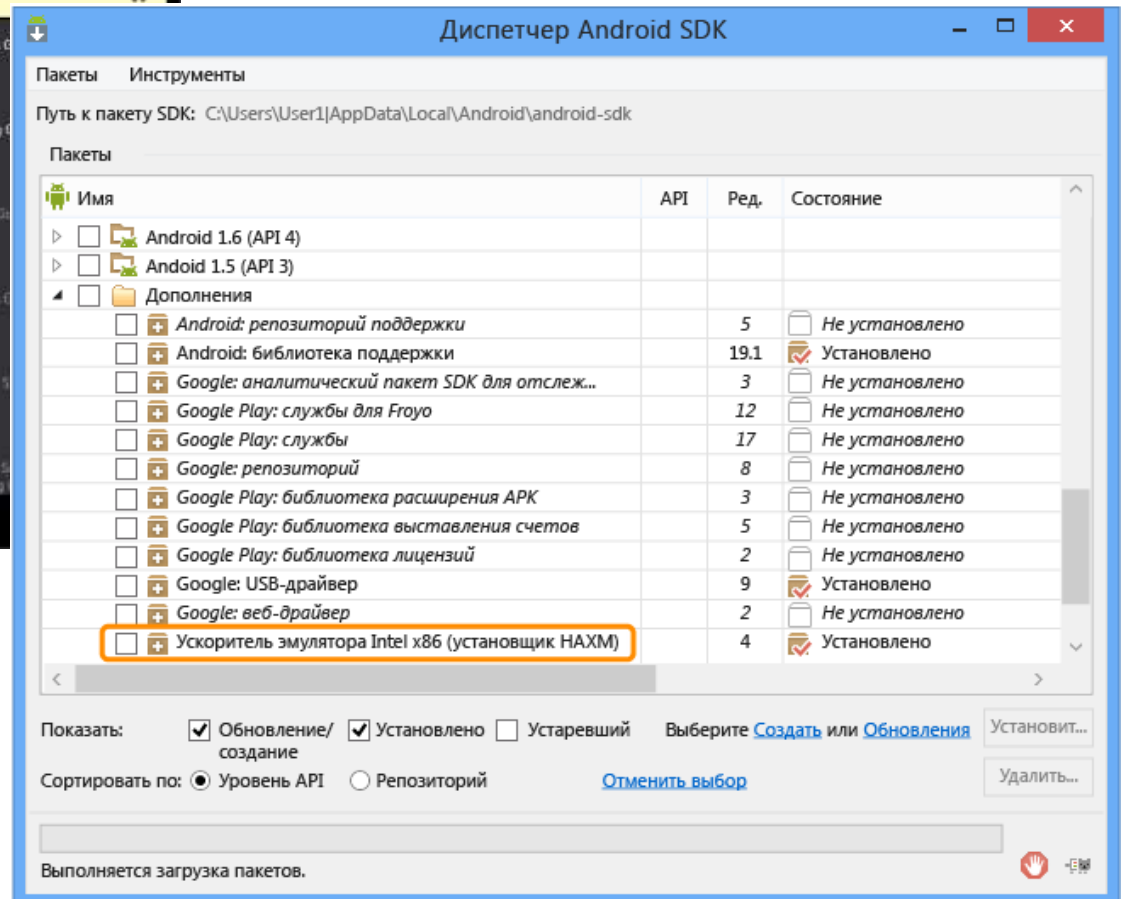
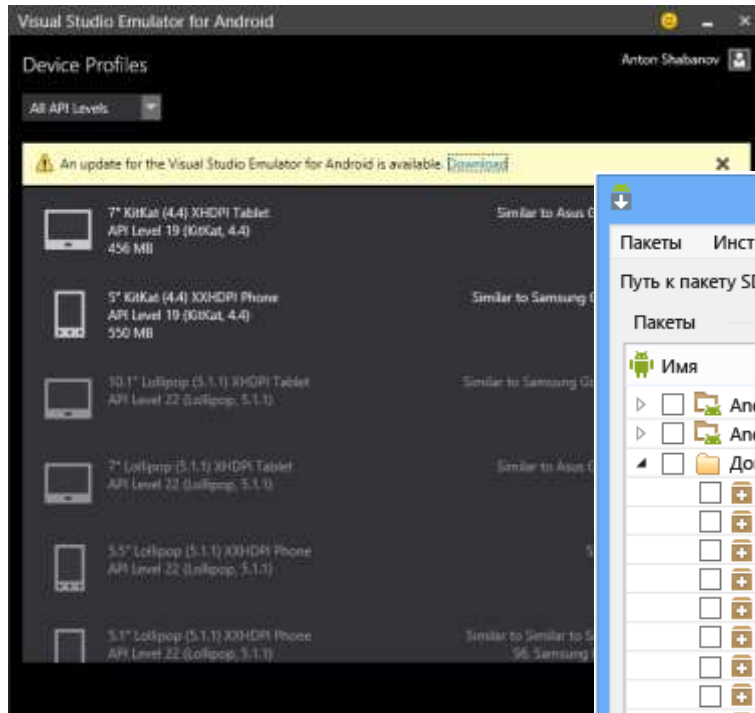


- Gulp (native)
- Grunt (native)
- Bindings (extension)

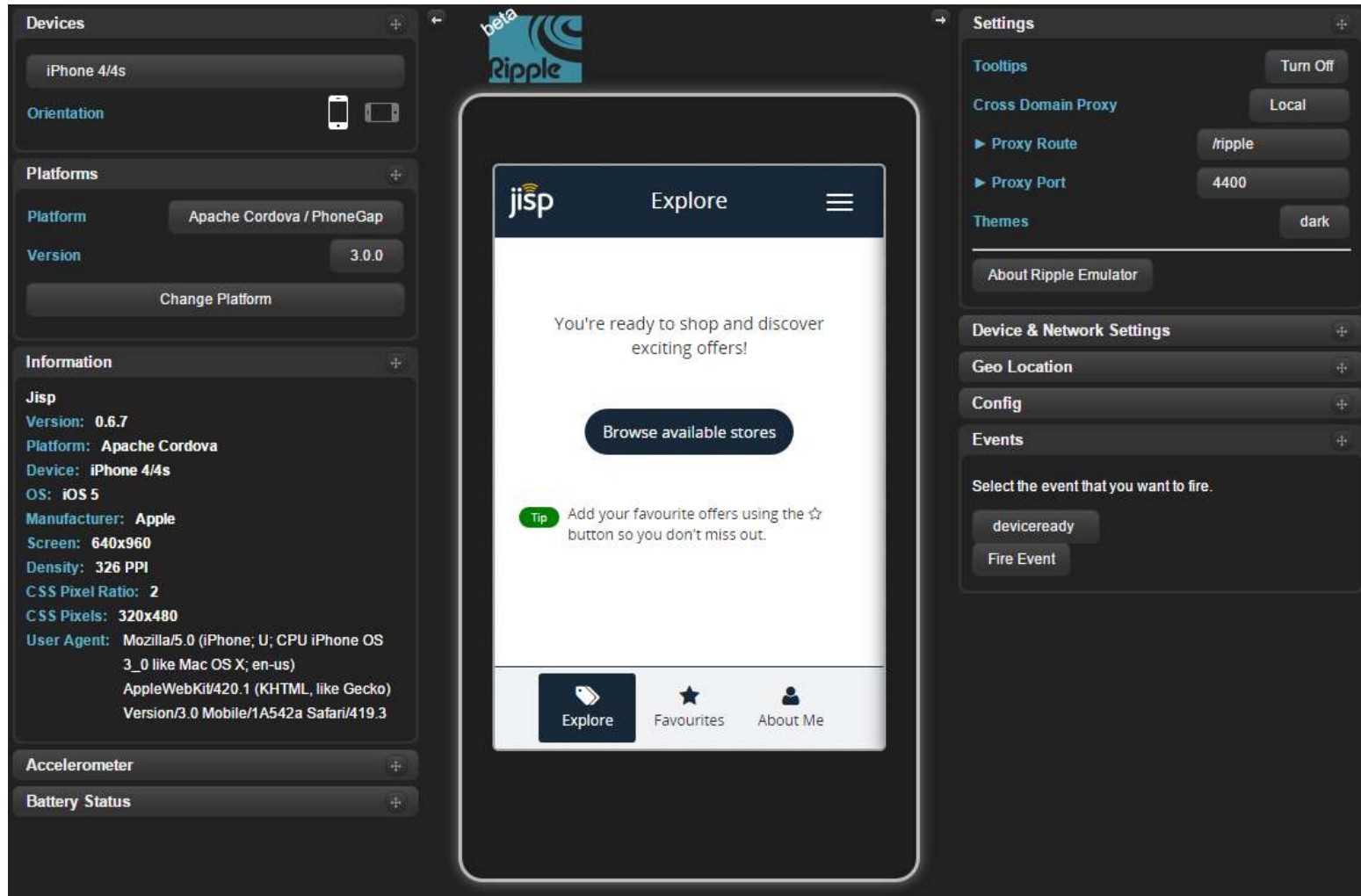
# Отладка

Device or operating system	Visual Studio debugger supported?	Console messages supported?	Workaround
Android 4.4 or later	Yes	Yes	-
Android versions 2.3.3 to 4.3	No (see <a href="#">information about jsHybugger</a> later in this article)	Yes	-
iOS 6, 7, 8	Yes	Yes	-
8.1(Store), Windows Phone 8.1, Windows 10	Yes	Yes	-
Windows Phone 8	No	No (use the Console plugin)	Use Web Inspector Remote (weinre) or the Console plugin. See <a href="#">Debug Windows 8 and Windows Phone 8</a> later in this article.

# Android симулятор



# Ripple

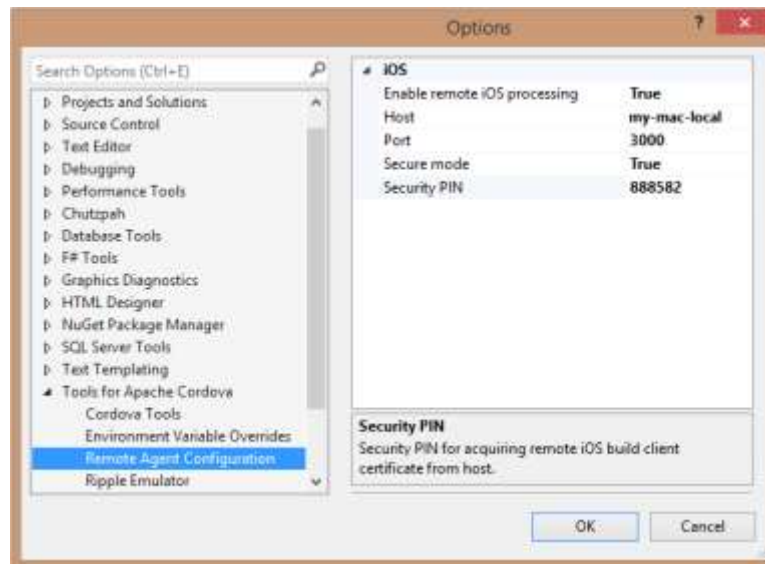


# remotebuild

```
sudo npm install -g npm
sudo npm install -g remotebuild
sudo npm install -g
remotebuild
```

Use the following information in Visual Studio under Tools, Options, Tools for Apache Cordova, Remote Agent Configuration to use this agent:

```
Enable remote iOS processing: True
Host: Dans-Mac-mini.local
Port: 1234
Secure mode: True
Security PIN: 687149
```



**Спасибо за внимание!**

Нам в WaveAccess всегда нужны люди с прямыми руками и светлой головой (в т.ч. удаленно):

✉ [hr@waveaccess.ru](mailto:hr@waveaccess.ru)

А .Net / Java разработка здесь:

✉ [hello@waveaccess.ru](mailto:hello@waveaccess.ru)