LEARNING

appcelerator

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or

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About

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Chapter 1: Getting started with appcelerator

Remarks

Appcelerator Titanium is an open-source framework that allows the creation of mobile apps on platforms including iOS, Android and Windows Phone from a single JavaScript codebase, developed by Appcelerator.

Versions

Version	Release Date
5.5.1GA	2016-09-29
5.5.0GA	2016-09-13
5.4.0GA	2016-08-10
5.3.1GA	2016-07-06
5.3.0GA	2016-06-02
5.2.2GA	2016-04-04
5.2.1GA	2016-03-23
5.2.0	2016-02-22
5.1.2	2016-01-12
5.1.1	2015-11-24
5.0.2	2015-10-01
5.0.1	2015-09-25
5.0.0	2015-09-16
4.1.1	2015-09-09
4.1.0	2015-07-08
4.0.0	2015-05-21
3.5.1	2015-03-06

Examples

Installing Appcelerator Titanium

At first we need to set up Titanium:

- command-line tools (CLI) to compile the apps
- the MVC framework Alloy
- the SDK

The main parts are installed using the node.js package manager 'npm'. Check https://nodejs.org/ if you need to install it.

Linux (Fedora)

If you are using Fedora 23 you can run the following commands to get the needed libraries:

```
# install tools and libraries needed for android sdk
dnf install nodejs npm git gcc glibc.i686 glibc-devel.i686 libstdc++.i686 zlib-devel.i686
ncurses-devel.i686 libX11-devel.i686 libXrender.i686 libXrandr.i686

# intall npm version 4.2.2
npm install -g npm
npm install n -g
n 4.2.2

# install cli tools
npm install -g titanium alloy appcelerator tisdk
```

- Install Java JDK 8: http://www.if-not-true-then-false.com/2014/install-oracle-java-8-on-fedora-centos-rhel/
- Download Android SDK (SDK Tools only): https://developer.android.com/sdk/index.html#Other
- Unzip Android SDK and run android to install SDK
- adjust your .bash_profile:

```
echo " PATH=$PATH:$HOME/.local/bin:$HOME/android-sdk-linux/tools:$HOME/android-sdk-
linux/platform-tools:/usr/java/latest/bin"
echo " export ANDROID_SDK=$HOME/android-sdk-linux"
echo " export JAVA_HOME=/usr/java/latest"
echo "export PATH"
```

OSX / Windows

TODO: install node/npm on Windows / OSX

Open a console and run the following command to install the tools:

```
npm install -g titanium alloy tisdk
```

Titanium SDK

After that we need to install the SDK. To do this we will the cli tool tisdk from David Bankier (https://github.com/dbankier/tisdk):

```
# list available titanium sdks
tisdk list
```

The output will be something like this

```
4.1.0.GA
4.1.0.Beta
4.0.0.RC5
4.0.0.RC4
4.0.0.RC3
4.0.0.RC2
4.0.0.RC
4.0.0.GA
...
```

From this list we select the latest GA (4.1.0) and install it

```
tisdk install 4.1.0.GA
```

with this command you can check if titanium found the sdk:

```
ti sdk list
```

and with

```
ti info
```

you can see if something is missing (How to install JDK and the Android SDK will follow)

You are ready to create titanium/alloy projects now and compile them! Time to set up the editor

get the newest SDK

The newest SDK is not available as a binary with tisdk. You have to compile it with:

```
tisdk build 5.0.0.GA
```

For more information, visit https://github.com/dbankier/tisdk and have a look at "Manual builds"

other methods

- Codexcast released a video about "Getting Setup With Titanium Mobile OSS: including

compiling the SDK"

- get the unofficial nightly builds at
  http://builds.appcelerator.com.s3.amazonaws.com/index.html#master

source: https://github.com/m1ga/titanium_with_atom#installing-appcelerator-titanium

Install Atom (and some useful packages)

Goto https://atom.io/ and install the atom editor.

Then install some Atom packages for easier Titanium coding:

Name	Type	Features
titanium language javascript	Language	JS Autocomplete (non alloy)
Titanium Alloy	add-on	All-in-one package Jump to definition Open related TSS Highlight
Ti-Create	add-on	Create projects, controller, modules
Titanium-Build	add-on	Run in simulator (wip)

Other useful non-titanium packages/add-ons:

Name	Features
Atom Beautify	Code beautifier (tss, xml, js support)
minimap	A preview of the full source code.
minimap-highlight-selected	A minimap binding for the highlight-selected package
highlight-selected	Highlights the current word selected when double clicking
pigments	A package to display colors in project and files.
Linter	A Base Linter core with Cow Powers (does nothing by itself, it's an API base)
Linter-jshint	Linter plugin for JavaScript (this checks your JS code)
DocBlockr	A helper package for writing documentation
Terminal-plus	A terminal package for Atom, complete with themes and more

Name	Features
Project Manager	Project manager

source: https://github.com/m1ga/titanium_with_atom#install-atom-and-some-useful-packages

Create your first app

We are just creating an empty Alloy app using CLI and Atom.

Open a new terminal and add the following:

```
ti create --id com.test -d . -n APPNAME -p all -t app -u http://migaweb.de
cd APPNAME/
alloy new
```

This will create a basic app (name: APPNAME, bundle identifier: com.test, type: app, platform: all) and then convert it into an Alloy project.

You can also use the Atom package ti-create

It will create a new project inside the folder that is open in the tree-view. 'Create controller/widget' only works inside an existing Alloy project ("Open folder" — select the project folder).

source: https://github.com/m1ga/titanium_with_atom#create-your-first-app

Compile your app

There are several ways to compile your app. You can use the simulator/emulator, deploy it to your device or create store apk's/ipa's. There is also a live test tool (TiShadow) which saves you a lot of time waiting for the compiler.

cli way

```
# android to device
ti build -p android  -T device

# android to store/file
ti build -p android -K /home/user/keyfile.keystore -T dist-playstore

# iOS simulator - will show a menu to select the size/device
ti build -p ios -C ?

# iOS to ipa - will show a menu to select the keys
ti build -p ios --deploy-type production --ios-version 9.0 --keychain --target dist-adhoc --output-dir .
```

iOS related

To list all distribution names you can use:

```
security find-identity -v -p codesigning
```

source: https://github.com/m1ga/titanium_with_atom#compile-your-app

Read Getting started with appcelerator online:
https://riptutorial.com/appcelerator/topic/3613/getting-started-with-appcelerator

Credits

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