

Android SDK Setup #52

Closed

 ppyordanov opened this issue on Nov 15, 2014 · 3 comments

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New issue

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PY

ppyordanov commented on Nov 15, 2014

Android SDK needs to be installed as a standalone package in order to be able to build PhoneGap/ Cordova projects from sources for the relevant operating system.

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 PY ppyordanov added the enhancement label on Nov 15, 2014

👤

 PY ppyordanov self-assigned this on Nov 15, 2014

🏆

 PY ppyordanov added this to the **Client Prototype** milestone on Nov 15, 2014

PY

ppyordanov commented on Nov 15, 2014

Android SDK has been installed. Here are some issues that I have documented in case they occur during system configuration (Windows OS):

- nodeJS is a library requirement in order to install Phonegap
 - Microsoft's Visual Studio is required in order to run nodeJS; when installing nodeJS v0.10.33 it would not recognize the Visual Studio package; reinstalling the library and rebooting fixed the issue
- after installing the android SDK, when trying to open the SDK manager directly from command line there were some path issues:

```
>android -version

Error: Unable to access jarfile lib\archquery.jar
Invalid path
Access is denied.
ERROR: SWT folder '' does not exist.
Please set ANDROID_SWT to point to the folder containing swt.jar for your platform.
```

Those were resolved by editing the *android.bat* executable script file and explicitly declaring the path to the *java.exe* executable:

```
rem Check we have a valid Java.exe in the path.
set java_exe="%JAVA_HOME%\bin\java.exe"
if not defined java_exe goto :EOF
```

However, the manager could not still access the *archquery.jar* file and this is what was the most time consuming part and took quite a lot of research as there are many different options to try and solve it. What worked at the end for me was to give it the explicit relative path to the file:

```
rem Set SWT.Jar path based on current architecture (x86 or x86_64)
for /f "delims=" %a in ('"%java_exe%" -jar lib\archquery.jar') do set swt_path=lib\x86
```

- to make PhoneGap create a new project SDK version 19 was installed as the application was configured not to use the latest one (that I had installed); however this can be reconfigured from *android_parser.js* which is normally under '%APPDATA%\npm' nodeJS installation folder:

```
<uses-sdk android:minSdkVersion="10" android:targetSdkVersion="19" ... />
```

Labels

enhancement

wontfix

Milestone

Client Prototype

Assignee

PY ppyordanov

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- resolving those issues resulted in successful project creation:

```
>phonegap create phonegap
```

Creating android project...

Creating Cordova project **for** the Android platform:

Path: platforms\android

Package: com.phonegap.helloworld

Name: Hello World

Android target: android-19

Copying template files...

Project successfully created.

Also installed Apache Ant to enable PhoneGap to build the project:

```
>ant -version
```

Apache Ant(TM) version 1.9.4 compiled on April 29 2014

Then tested building the new project:


```
>phonegap platform add android
```

```
>phonegap build
```

```
[phonegap] executing 'cordova build'...
```


```
[phonegap] completed 'cordova build'
```

 **ppyordanov** added the wontfix label on Nov 15, 2014

 **ppyordanov** referenced this issue from a commit on Nov 15, 2014

 [CLIENT-PROTOTYPE][RESTRUCTURE] restructured directory hierarchy and ...

 15f259e

 **ppyordanov** referenced this issue on Nov 15, 2014

PhoneGap (Cordova) Configuration #51

 Closed

PY

ppyordanov commented on Nov 18, 2014

This task is relevant to #50 .

PY

ppyordanov commented on Jan 21

This task has been completed and can be closed now.

 **ppyordanov** closed this on Jan 21

PY

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