

PhoneGap – Android Integration Win8.1 (should work with Win7/8)

1. INSTALLING Node.js // Cordova COMMAND-LINE TOOL

- Visit, download, install Node.js [<http://nodejs.org/>]
- open cmd-line tool and enter:
`npm install -g cordova`
- check if your PATH variable has been set correctly (usually it is
`C:\Users\x\AppData\Roaming\npm`)

2. INSTALLING ANDROID SDK

- Visit <http://developer.android.com/sdk/index.html>, download and install Android SDK
- include the SDK's tools and platform-tools directories in your PATH
 - check whether Java [cmd prompt: java] and Apache Ant [cmd prompt: ant] are working correctly (if not set PATH: JAVA_HOME // ANT_HOME)

3. INSTALLING Phonegap

- open cmd-line tool and enter:
`npm install -g phonegap`

4. Creating a Phonegap App from existing Vaadin project

- example: import our root repository from git [<https://github.com/fau-amos-2014-team-2/root>]
- open cmd prompt and move to directory [example: `.\root\vaadinApp`]
- create phonegap-app @cmd:
`phonegap create hello com.example.vaadin VaadinHelloWorld`
- go into created "hello" folder @cmd:
`cd hello`
- build phonegap application @cmd:
`phonegap remote build android`
 - note: building local or without any specification failed for me, so I chose building the app per remote access to build.phonegap
 - therefore the cmd-prompt will ask you for your phonegap username/pass
- after the application building is finished you can download your app from your phonegap repository