SOFTWARE ENGINEERING SUMMIT

In preparation of the upcoming Software Engineering Summit each participant will need to install and setup the below required dependencies. Having the below is extremely important to complete prior to the Summit coursework begins as the instructors will not have extra time to walk through these installs in the beginning of their classes.

Shared Pre-Reqs

Ensure you have git installed, see the following for directions: https://git-scm.com/book/en/v2/Getting-Started-Installing-Git

Be sure to have an advanced text editor of your choice installed on your computer, if you do not already have one some suggestions:
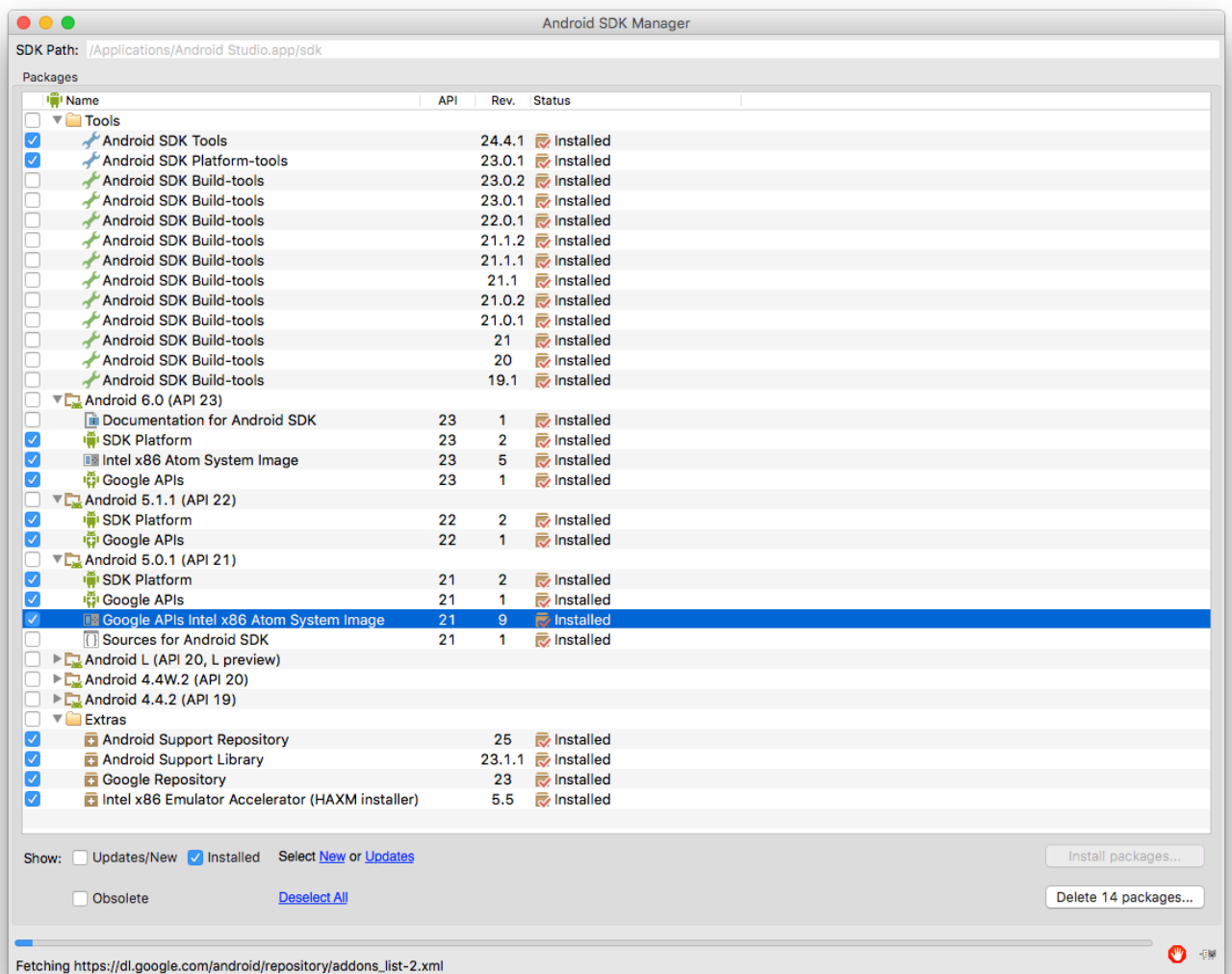* Atom: https://atom.io/ (Mac Only)
* SublimeText: http://www.sublimetext.com/ (Mac or Windows)
* NotePad++ http://notepad-plus-plus.org/ (Windows Only)

Android Pre-Reqs

Download Android Studio: https://developer.android.com/sdk/index.html

Once Android Studio is downloaded, launch and go to Tools > Android > SDK Manager > Launch Standalone SDK Manager. Open Android SDK Manager and select the following:

Note: Android Studio may ask if you want to install additional SDKs and Tools during installation… Either way, be sure to use the SDK Manager to select the options below.

*If you run into any issues with the iOS Pre-Reqs please contact: katie.thompson@capitalone.com

iOS Pre-Reqs

Step 1: Register for a free Apple Developer Account here: https://developer.apple.com/membercenter/

Before continuing:

Note for Mac users-- Please upgrade to Yosemite or later before attempting the below.
PC Users-- Please disregard the below, Xcode is only available for Macintosh so we will be setting up a remote Mac instance for you to use in order to take the course.

For Mac users using Yosemite or later:

Step 2: Download and install the most resent version of Xcode (7x): https://developer.apple.com/xcode/download/

Open Xcode once installed
Click "Create a new Xcode project"
Choose iOS->Application->Single View Application, click "Next"
Enter "HelloWorld" for Product Name, click "Next"
Choose directory to save project into, click "Create"
Run the project in the simulator (click the "Play button") and ensure the simulator opens and displays a white screen with the status bar at the top.

If you run into any issues with the iOS Pre-Reqs please contact: jared.alexander@capitalone.com

M.E.A.N(O) Stack Pre-Reqs
Download and install each of the following:

Node.js and npm:	https://nodejs.org/en/download/
MongoDB:	https://www.mongodb.org/downloads#production
Postman:	https://www.getpostman.com/
http-static or http-server:	https://www.npmjs.com/package/http-server
nodemon:	http://nodemon.io/
bower:	http://bower.io/
yeoman:	http://yeoman.io/

*If you run into any issues with the M.E.A.N(O) Pre-Reqs please contact: azat.mardan@capitalone.com

AWS Pre-Reqs
Install Python 2.X (be sure to install version 2.6 or higher… but not 3.X!): https://www.python.org/downloads/
Install the AWS CLI, Instructions here: https://docs.aws.amazon.com/cli/latest/userguide/installing.html

*If you run into any issues with the AWS Pre-Reqs please contact: jeffery.storey@capitalone.com