SE 421: Atlas Installation Guide

September 6, 2018

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Atlas is a platform to build program analysis tools using an attributed graph database. For the upcoming assignments we will be using Atlas. This document will walk you through to install Atlas.

1 Install Eclipse

Download and Install Eclipse. For this class we will be using Eclipse Oxygen 3A for Java EE developers. The package can be downloaded from here: `http://www.eclipse.org/downloads/packages/release/oxygen/3a`. Please refrain from using any other version of Eclipse and make sure you download and install the Java EE package as shown in the figure 1.
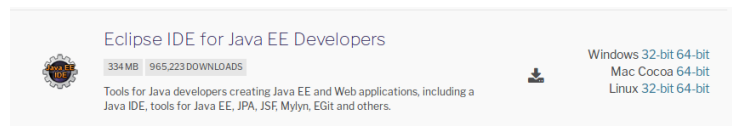

Figure 1: Install Eclipse for Java EE developers

2 Acquire Atlas License

In order to use Atlas, you will need a license. The academic license for Atlas is freely available. Following steps describe the process to acquire the academic license

1. Go to `http://www.ensoftcorp.com/atlas/academic-license/`

2. Fill the form with your ISU email (.edu email). Submit the form for a complimentary academic license.

3. You should receive your license key via email in a short while.

1

3   Install Atlas

1. Open Eclipse. Open the software installation window from the menu (Help → Install New Software)

2. Refer to figure 2. In the dialogue box *Work With* enter `https://download.ensoftcorp.com/atlas/eclipse` and click *Add*. Enter the name "Atlas" in the pop-up window and click *Ok*.
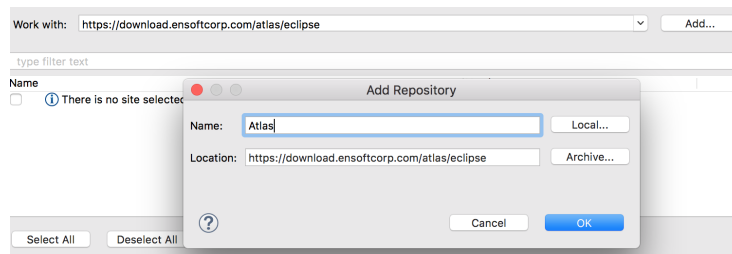

Figure 2: Add Atlas repository

3. Select *Atlas* and all the subitems as shown in figure 3. Make sure you install Atlas 3.3.6 (the initial three numbers in the version should be 3.3.6).
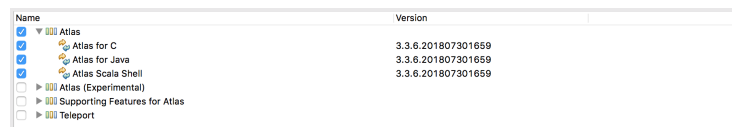

Figure 3: Installing Atlas

4. Restart Eclipse after the installation is finished. (You will be prompted to do so). After restarting eclipse you should see "Atlas" in the menu as shown in figure 4. It indicates successful installation of Atlas.
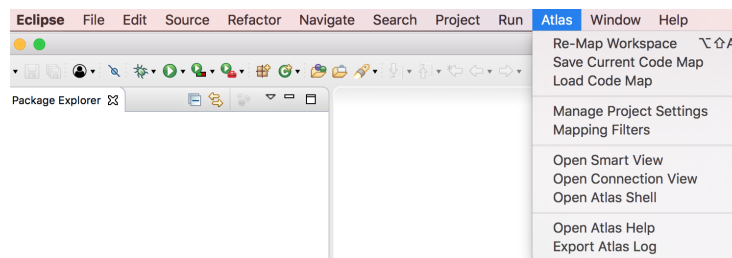

Figure 4: Atlas installed successfully!

5. Enter your license key in Atlas Preferences. Atlas Preferences Menu is accessed via *Eclipse → Preferences → Atlas → License.* For Linux/Windows users the preferences are located under *Window → Preferences → Atlas → License.* Refer to figure 5 for additional help. Make sure your system username is correctly detected by Eclipse and your email is the same as used to acquire the Atlas license. Your Atlas installation is complete and ready to use.
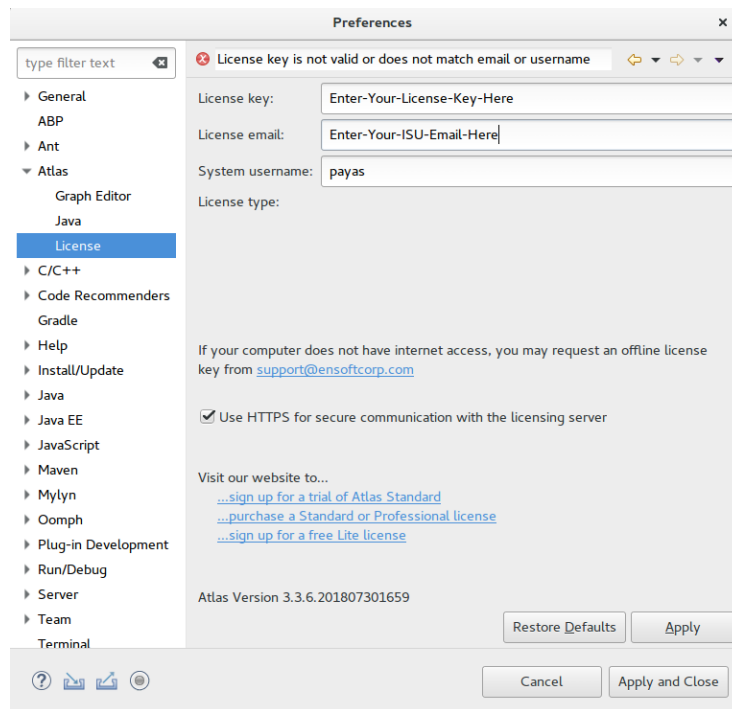

Figure 5: Enter your license key