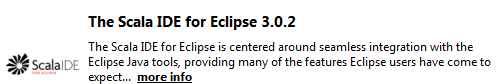
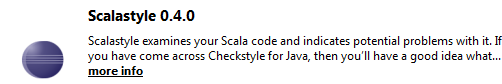
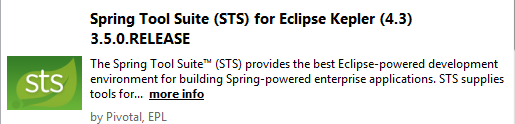
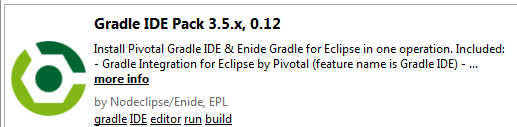
# Link to Backlog

[https://trello.com/b/wZUu5hMY/camp-project-2014#](https://trello.com/b/wZUu5hMY/camp-project-2014)

# Setup Development Environment

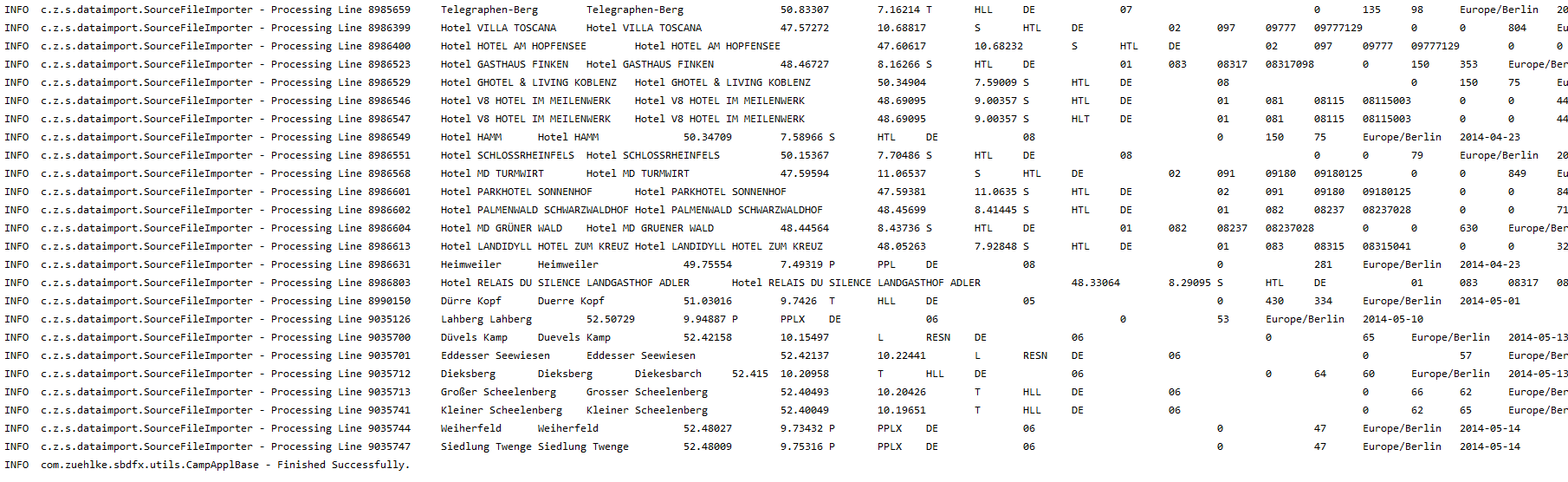
* Install JDK 7 (NOT JDK 8[[1]](#footnote-1))   
  <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
* Install Scala  
  <http://www.scala-lang.org/download/>
* Gradle
  + Download from <http://www.gradle.org/downloads>
  + Define Windows Variable GRADLE\_HOME, e.g. C:\dev\tools\gradle-1.11
  + Add %GRADLE\_HOME%\bin to %PATH%  
    Tip: Use <http://www.rapidee.com/en/download>
* Install Netbeans, Version: “All” with glassfish  
  <https://netbeans.org/downloads/index.html>
* Install „Eclipse IDE for Java EE Developers”  
  <https://www.eclipse.org/downloads/>
* Adjust eclipse.ini   
  <http://wiki.eclipse.org/FAQ_How_do_I_increase_the_heap_size_available_to_Eclipse%3F>  
  -vmargs  
  -Xms512m  
  -Xmx2048m  
  -XX:+UseParallelGC  
  -XX:PermSize=256M  
  -XX:MaxPermSize=512M
* Eclipse Plugins installieren (Marketplace)  
    
    
    
    
  siehe <http://www.gradle.org/tooling> [[2]](#footnote-2)  
    
  
* Install Gradle Extension (see <https://github.com/spring-projects/eclipse-integration-gradle/blob/master/README.md> ):
  + Open eclipse
  + Help 🡪 Dashboard
  + 
  + 
  + Install
* Add the glassfish installation path to your local gradle.properties file, e.g.  
  :  
  glassfishHome=C:/dev/glassfish-4.0/glassfish
* Open eclipse
* Import the following projects into eclipse (recursing subfolders):  
  04\_implementation\sbdfx

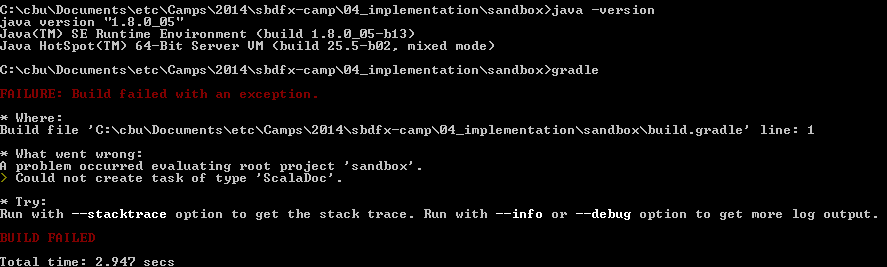
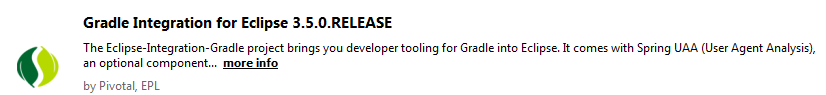
# Check Build and Run

## Check Gradle Build and deploy to Glassfish

* Open eclipse
* Import Glassfish server into eclipse “Servers” view and start glassfish  
  
* Open command line in 04\_implementation\sbdfx
* gradle deployToGlassfish 🡪 should succeed
* Open URL to check full stack: <http://127.0.0.1:8080/sbdfx-web-1.0-SNAPSHOT/webresources/cities/Zuerich>  
  Expected Result:  
  

## Check Import Tool

* Open eclipse
* Import files from <http://www.geonames.org/> using eclipse launch config “CitiesImporter – Fetch”  
  🡪 expected Result:  
  
* Import some countries into mock database using eclipse launch config “CitiesImporter - Import CH + DE”  
  🡪 expected Result:  
  

1. due to problems with gradle/scala, see <http://forums.gradle.org/gradle/topics/enable_to_setup_a_simple_scala_build> [↑](#footnote-ref-1)
2. (noch) nicht klar, ob benötigt:  
     
   🡪 macht probleme 🡪 nicht installieren [↑](#footnote-ref-2)