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## problem with VM - tried to start it on Virtual Box - SUSE Linux 12.3 host (64 bit)

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I am running SUSE Linux 12.3 64 bit Intel CPU as host. I downloaded your spatial\_computing.vdi. I downloaded and installed Virtual Box and tried to start this VM (spatial\_computing.vdi) and I received the following error message. If you can help solve this issue, please let me know.

Otherwise, a few weeks ago, I installed all the recommended software directly on my 9 year old daughter's netbook that runs Ubuntu Linux on it, although I was not sure what I was doing when I installed all that from the links provided at the start of this class, before I had heard about you providing it all in a VM. I prefer to work in the VM if you know how to fix this, since I can be confident that you installed all the correct software, and not worry that when I did it, I did some wrong version somewhere. However, the reason I may use the netbook instead, is because I once started another class where the VM was provided, and I received the same error in that class, and had to withdraw at the time because I could not get the VM to run on this SUSE Linux machine I have, and in that class, there was no alternative. So please let me know if you know what is wrong here. In the class I took one year ago - no one on the discussion forums, nor the teaching assistants knew what was wrong, since no one was using this version of SUSE Linux as host. So let me know if you do, or otherwise I will attempt it using the netbook instead, and if that has issues - well I'll just skip the project part of this course, and just do concepts instead. Thanks.

Here is the error message:

The VirtualBox kernel modules do not match this version of VirtualBox. The installation of VirtualBox was apparently not successful. Executing

```
'/etc/init.d/vboxdrv setup'
```

may correct this. Make sure that you do not mix the OSE version and the PUEL version of VirtualBox.

↑ 0 ↓ · flag



Toby Jia-Jun Li STAFF · an hour ago 🔗

I suspect you have another version of VirtualBox (or the kernel) sitting somewhere in the machine...Have you tried Google the error message you got?

Working on that netbook is definitely possible. You can either (1) Try to get the VM running on the netbook or (2) Follow the instruction on the WikiBrain homepage to load Simple English, Wikidata and spatial data and then get the sample program from the coursera page.

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Karen West · in 12 minutes 🔗



Thank you for the response, Toby - here is a long cut-and-paste type question--and I apologize in advance--I'm not sure if I can complete the projects for this class, so I'm trying to figure that out.

A year ago when that error occurred I did google the error, tried to inquire in various places, found no help, and I withdrew from that class actually. (It was part 2 of the Agile Web Apps Ruby on Rails actually - so I only completed part 1 since I fell behind trying to figure out this installation error with the VM and had to withdraw). If someone else can help me get this question answered, perhaps I'll use it, but I found last time trying to solve it resulted from withdrawing from the class. This class I know if I cannot get the tools working I can complete the "Concepts" part without doing the project, but we'll see how it goes.

So thanks Toby - I think I'm going to try to do step 2 - and use Eclipse which was recommended I think when I installed everything on the netbook. I'm a bit lost though with the importing directions and wondering if you can help here. I've only used Eclipse once, in the Android Apps class I took, so sorry for my ignorance here. That was my only exposure to the Java and XML languages to complete a program that uses them. (I used to be an embedded C programmer for 18 years before I lost my job just over 5 years ago, and a few years ago, started to expand online learning new programming languages -- I come from an EE education, way back when. ;-)). So I apologize in advance what others probably already know in this class!

I installed the following directories on the netbook with Ubuntu, in addition to Eclipse Java EE IDE:

geos-3.3.9  
h2database  
maven  
postgis-2.0.6  
wikibrain

This was during the first week of the class, in the announcements post that provided these links.

Here are my specific questions on the trouble I'm having with eclipse to import wikibrain (you mentioned above--Simple English, Wikidata and spatial data)--and try as I may with the wikibrain homepage import instructions --I'm lost! Please see my QUESTIONS in capitals below. Please let me know which import method would be best for me, given the above explanation.

## Importing data

The Graphical Loader offers the easiest way to import data. However, WikiBrain supports much more sophisticated importing configurations.

### GraphicalLoader

You can launch the graphical loader by double-clicking the wikibrain-withdeps jarfile, or by running the `org.wikibrain.GuiLoader` class.

QUESTION--where is this graphical loader? (`org.wikibrain.GuiLoader`)

QUESTION--is the wikibrain-withdeps jarfile in the wikibrain directory I downloaded from the link provided the first week of this class? If I find it, where do I double click it?

Here is more cut and paste from the import page on the wikibrain page: Please see my QUESTIONS.

You can customize basic features of the loading process using the graphical loader. Be aware that the loader writes a configuration file named `customized.conf` that you'll need to use when running your java programs (i.e. `-c customized.conf`).

QUESTION: Where is customized.conf?

### Customized loading setups

You can achieve more customized loader setups by running the Loader program directly. You can do this your IDE's run dialog, or by downloading and installing the wb-java.sh script described in the Installation page.

WikiBrain's Loader class manages the downloading, parsing, and import of [Wikipedia datasets](#) published by the Wikimedia foundation.

QUESTION: Where is `org.wikibrain.Loader`? How do I run it?

QUESTION: You mentioned importing Simple English, and below it says that the loader runs

without any arguments except a language, which downloads, parses and imports the latest database files for the Simple English language edition of Wikipedia into an embedded h2 database. I know I also downloaded above a directory called "h2database". How is this importing Simple English into that database from Eclipse? I am lost here again, but I did download all the required directories mentioned above.

Most commonly, Loader is run without any arguments except a language. This downloads, parses and imports the latest database files for the Simple English language edition of Wikipedia into an embedded h2 database:

```
org.wikibrain.Loader -l simple
```

Each step in the WikiBrain loading process is called a **stage**. By default a set of **core** stages are loaded (articles, links, lucene search index), but others are not (wikidata, spatial). You can specify the stages you want loaded, such as wikidata using the **-s** option:

```
org.wikibrain.Loader -l simple -s wikidata
```

You may also want to configure how the stages you select are run. For example, you can specify that each stage should incorporate a custom override configuration file:

```
org.wikibrain.Loader -l simple -s wikidata -c custom.conf
```

These features are explained in more detail below.

## Stage selection

WikiBrain's import pipeline is divided into stages, listed in the table below. If you don't tell WikiBrain to load specific stages, the stages marked **on = Y** are run. The **concepts** stage is also run by default if more than one language is installed.

on	stage	dependsOn	description
Y	fetchlinks	nothing	Downloads a list of available data files in the requested languages.
Y	download	fetchlinks	Downloads any new data files in the requested languages.
Y	dumploder	download	Loads articles and raw pages from the dump files.
Y	redirects	dumploder	Loads redirect mapping.
Y	wikitext	redirects	Loads links and categories.
Y	lucene	wikitext	Builds lucene full-text search indexes.
Y	phrases	wikitext	Builds and loads phrase to page disambiguation mappings.
?	concepts	redirects	Builds and loads mapping from language-specific articles to universal concepts.
N	universal	concepts, wikitext	Builds "universal" links.

on	stage	dependsOn	description
N	wikidata	concepts	Downloads and loads wikidata facts for the requested languages.
N	spatial	wikidata	Installs geospatial data.
N	sr	wikitext, phrases, lucene	Builds semantic relatedness models.

You can run a specific stage using the `-s` flag. For example, the following command builds the semantic relatedness (SR) model and prepares it for use.

```
org.wikibrain.Loader -s sr
```

You can specify multiple stages using multiple `-s` arguments:

```
org.wikibrain.Loader -s sr -s spatial
```

If you ask WikiBrain to run a stage (e.g. `sr`), it checks to see if the stages it depends on (in this case, `wikitext`, `phrases`, `lucene`) have been run. If necessary it runs them, and any further transitive dependencies. You can disable checking to see if a stage is run, and rerun all necessary stages by using the `-d` dependency (for drop).

## Configuring stages

You can configure the global settings for all stages by passing any "standard" WikiBrain argument. If any of these options exist, they will be passed along to all stages.

<code>-c, --conf</code>	configuration file
<code>-h, --threads</code>	the maximum number of threads that should be used
<code>-l, --languages</code>	the set of languages to process, separated by commas or 'LOADED'
<code>--base-dir</code>	the base directory used to resolve relative directories
<code>--tmp-dir</code>	the temporary directory

In addition, you can pass stage-specific arguments via the `-s` flag. For example the following command runs the phrase stage (turns it `on`), and passes the argument `-p stanford` to it to tell it to load the [Stanford concept analyzer](#).

```
org.wikibrain.Loader -s "phrases:on:-p stanford"
```

## More details

Each WikiBrain stage corresponds to a Java class with a `main()` method that can be run as

a standalone Java program. For example, the wikitext stages corresponds to [org.wikibrain.loader.WikiTextLoader](#). You can find the full definition of stages at the end of the [reference.conf](#).

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