



Spring Boot 101 - Lab Start notes

This document describes what to do to get started with the labs for the AMIS SIG Spring Boot 101.

1. Install the VirtualBox machine
2. Start and log in
3. Update the labs
4. Install a PDF viewer (optional)

Requirements:

- VirtualBox version 5.2.8 is installed
- Free Disk space: image (3 GB) + installed image (6 GB) = 9 GB
- Memory: 4 GB (preferred 8GB)
- CPU: modern cpu with 4+ cores

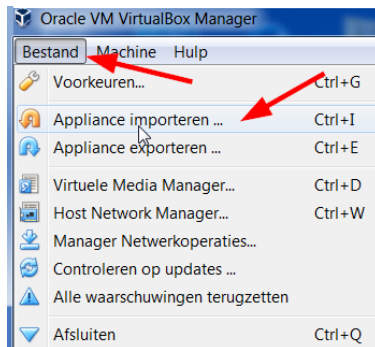
An important remark up front: all passwords are set to `welcome01` ... except the one for PostgreSQL.

1. Install the VirtualBox machine

First, obtain the VirtualBox machine image. There are 2 options:

1. Download the file `course.ova` from <https://bit.ly/2uvq9z9>
(or <https://lgorissen.stackstorage.com/s/pUu8f0Bt43f0v9k>)
2. Copy the file from one of the disks provided

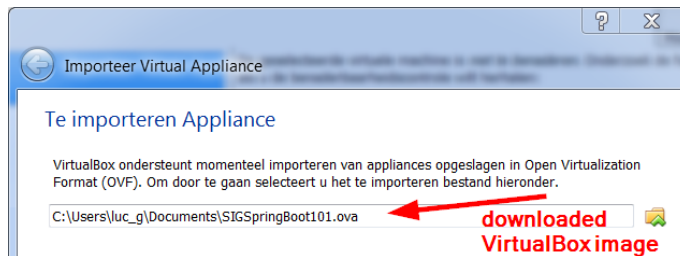
Next, start VirtualBox and go to 'Bestand – Appliance importeren':





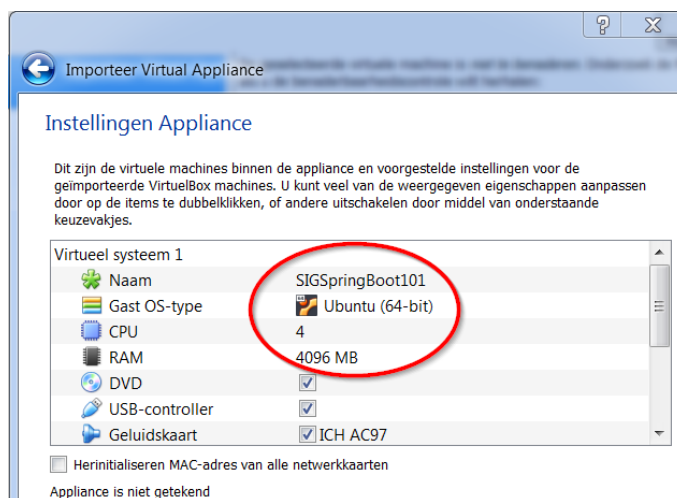
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Select the downloaded VirtualBox image:



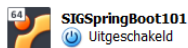
Click Volgende and check the settings. Mind the memory and cpu settings:

- Memory allocated: 4GB. It may run with less, but ...
- On a multicore CPU, allocate at least half of the cores, e.g. 4 cores

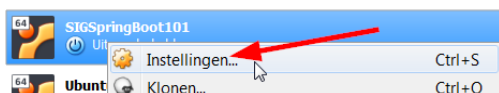


Click Importeren.

When imported, the machine will appear in the list of available machines:



Right-click the machine:

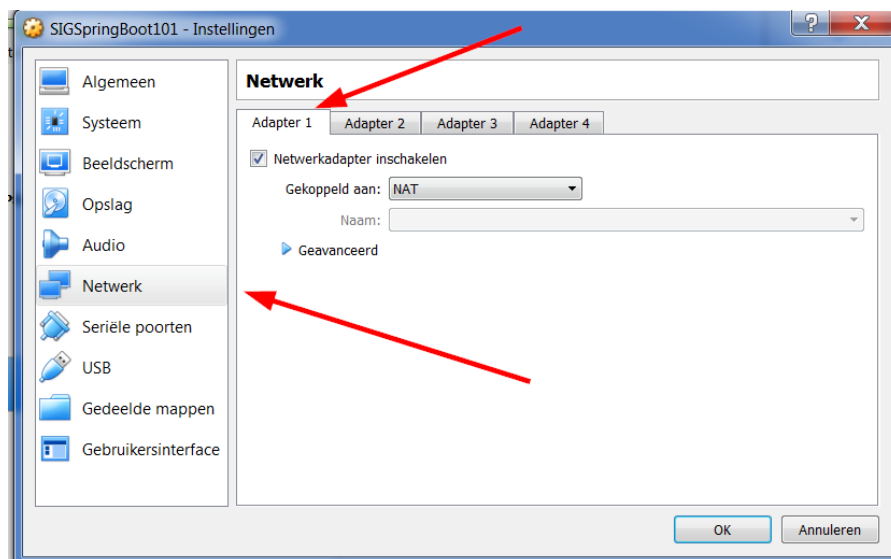




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And select Instellingen.

Next, go to the Network tab and verify that Adapter 1 has the settings:



The other adapters do not need to be activated.

2. Start and log in

With VirtualBox still opened, select the SIGSpringBoot101 image and then start the machine:



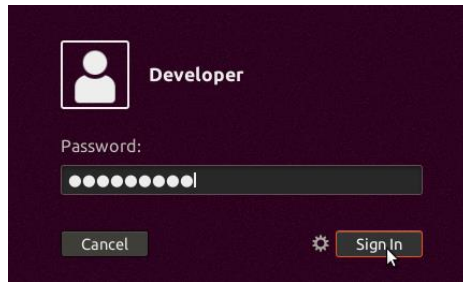
The user named Developer is shown:



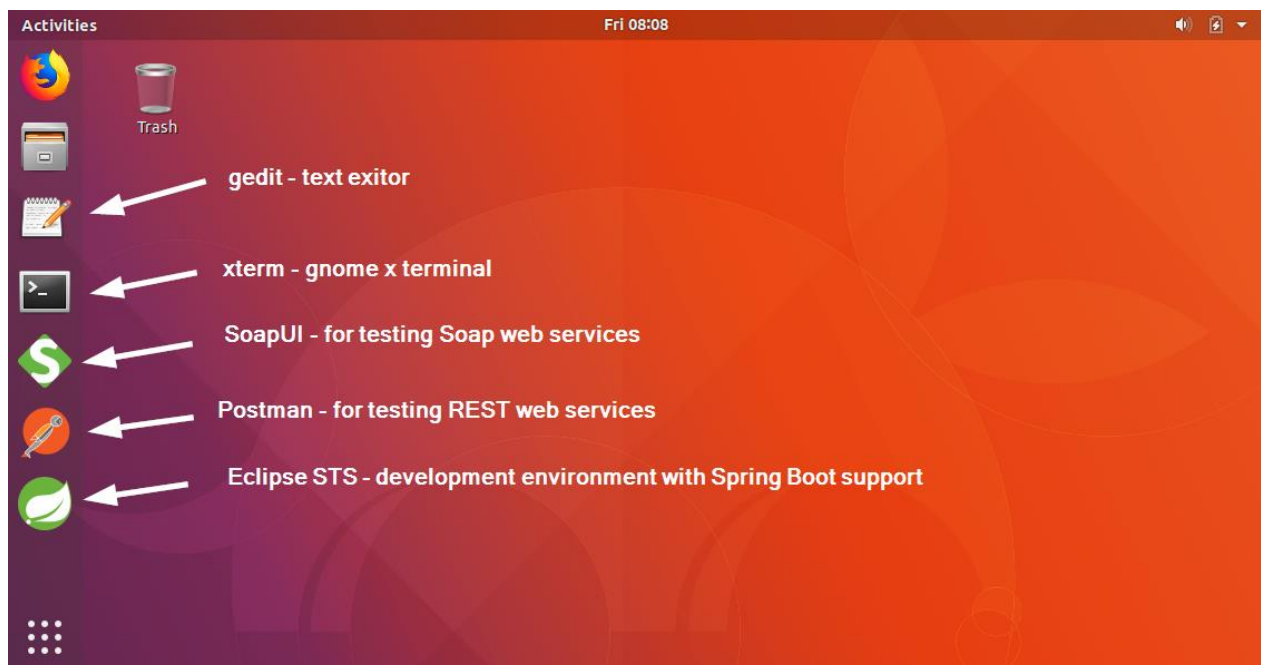
Click the user and log in with the password welcome01



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You should now end up in a Desktop that looks like:



3. Update the labs

The labs – as well as all the required tooling - are already installed in the machine. However, you should update the labs to have the latest version.

Open a terminal by clicking:





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In the terminal go to the `~/projects/SIGSpringBoot101` directory where the labs are created. There, give the 'git pull' command:

```
developer@developer-VirtualBox:~$ pwd
/home/developer
developer@developer-VirtualBox:~$ cd projects/SIGSpringBoot101/
developer@developer-VirtualBox:~/projects/SIGSpringBoot101$ git pull
remote: Counting objects: 35, done.
remote: Compressing objects: 100% (24/24), done.
remote: Total 35 (delta 3), reused 35 (delta 3), pack-reused 0
Unpacking objects: 100% (35/35), done.
From https://github.com/lgorissen/SIGSpringBoot101
   faff24c..2f28fb7  master    -> origin/master
Updating faff24c..2f28fb7
```

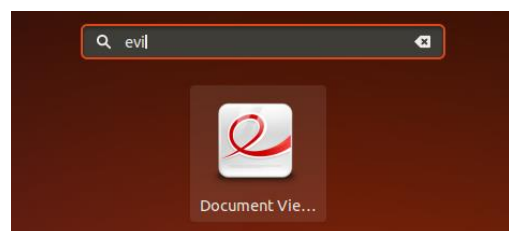
Note the GitHub location

4. Install a PDF viewer - optional

The lab manuals are in GitHub in Word and PDF format. If you want to work with the lab manuals from within your Virtual Machine, you will first need to install a PDF viewer. You can do that using the command `sudo apt-get install evince`:

```
developer@course:~$ sudo apt-get install evince
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  evince-common libdjvulibre-text libdjvulibre21 libevdocument3-4 libevview3-3 libgxps2 libkpathsea6 libpoppler-glib8 libpoppler68 libspectre1
Suggested packages:
  nautilus-sendto unrar
The following NEW packages will be installed:
  evince evince-common libdjvulibre-text libdjvulibre21 libevdocument3-4 libevview3-3 libgxps2 libkpathsea6 libpoppler-glib8 libpoppler68 libspectre1
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 2,351 kB of archives.
After this operation, 9,523 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
```

Click Y to continue and then evince should be visible in your applications:



Now, you're ready to start the labs...