Implementation plan

Newborn

Versionnumber: 1.00

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Implementation plan

Version management

Date	Version	Changes	Who
10-4-2018	1.00		Niek Riggeling

Content

Intro

This document will show how the implementation and the acceptation test will be working this phase. It will be shown clearly how the software is going to be implemented for the client. The accept plan will also be described and explained.

For this assignment I will be making an application for the collection and editing of client data for a maternity care company called Newborn. A user must log in here to edit the client data here and to add notes about the client.

The application inside the Organization

This application is made to help a team or midwifes and their assistens to store data about the clients and to make a daily schedule for the midwifes. That way the midwifes are able to look up where they have to go for the day in a quick way. And they can find out what the current situation of the client is and which clients they are helping.

Planning implementation

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The needed hardware and software

Hardware

After the implementation the application should work on every pc or laptop that can connect to the internet and has to correct software.

Software

To implement the application I have the choice between these three operating systems: Linux, Unix or Windows 8.

Analyzes of the data from the TD and FD

When I look at the template of the acceptance test plan I see all that needs to be filled in with Excel. When I go to the template look it doesn't seem to be a lot of work. Making the acceptance test plan will a total of one hour to one and a half hours. Testing of the application is less time. This will take about 15 minutes since the application is not very large and is similar to the application I had made myself and this also took about 15 minutes to test.

People and resources

People	**Resources**
Developer	Microsoft office 2016
Client	
Project leader	

Feasibility analysis of the implementation

There are many things that can go wrong during or after deployment. The result could be that some parts of the site don't work or that the site does not work at all. Also it could be that the site works on some computers but not on others by different institutions. With these issues should be taken into account that it could take time to implement it fully. The difference between the FO/TO and the deployed site could be that some functions had to be taken out to the site entirely to work. This allows maybe not everything now on the site work in the deployed site.

Chronological planning implementation

Activity	Time
Start a new server and put the downloaded version of Linux Ubuntu on the disk.	5 minutes
Download and install Virtual Box.	10 minutes
Restart the server now allows the server to install Ubuntu.	A few minutes
To do this, set the language, time zone, and a user name and password can be created.	5 minutes
After installing you can now use Ubuntu on the server now follows the implement.	20-30 minutes

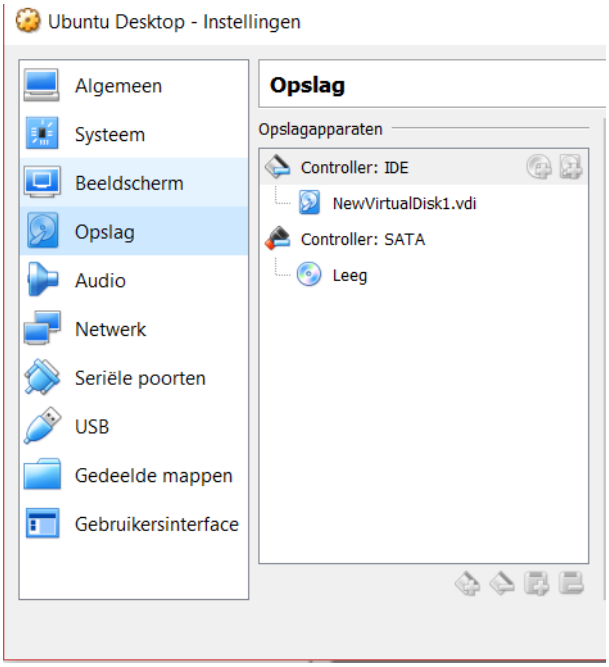
Installation procedure

Before the application can be implemented you should first set up a virtual environment. This goes like this

1. Download Virtual Box
First of all Virtual Box needs to be downloaded https://www.virtualbox.org/wiki/Downloads (version used: Version 5.2.12) On this site, choose the version 5.06 for Windows. If this is downloaded you can you do no special settings to fill so it can just install. After that it's installed, you can create a virtual environment.

2. Add the virtual environment to Virtual Box
In Virtual Box, click ' new '. Here you can choose a name for the virtual environment. For the type choose your Linux and the version for Ubuntu 64 Bit. For the memory size do you like the number in the green. Further you do nothing to so keep accepting all while going to the installation progress.

3. Add Ubuntu to the virtual environment
Now that you have created an Ubuntu the virtual environment you should now put Ubuntu on the environment . You download a Ubuntu server version
via http://www.ubuntu.com/download/server (version used: 16.04.5 64-bit). If this is downloaded you go in Virtual Box to the settings. In storage, there is an option (disk file add) to add the downloaded version of Ubuntu. When this is done can the Ubuntu server be installed. Under SATA the optical hard drive you made while creating this virtual will be visible.



4. Install Ubuntu through the steps on the screen
Via Virtual Box click on the created server and click Start (the green arrow at the top).
Via here can Ubuntu be installed on the environment.

1) In the beginning of the installation the language will be set. It is best to use English as your language and an American keyboard layout.

2) After that is done you will make up a host name, primary name, username and a password. You can make this all up yourself but remember that you have to use it later on.

3) The option to encrypt your home directory will be shown select **'no'.** After that is done check if your time zone is correct in the next option and move on.

4) When at the option 'partition disc' it is best to use the option **'Guided: use entire disc'**. After that the disc partition will be set. And the next option will be to write the changes made to the disc. Select **'Yes**.

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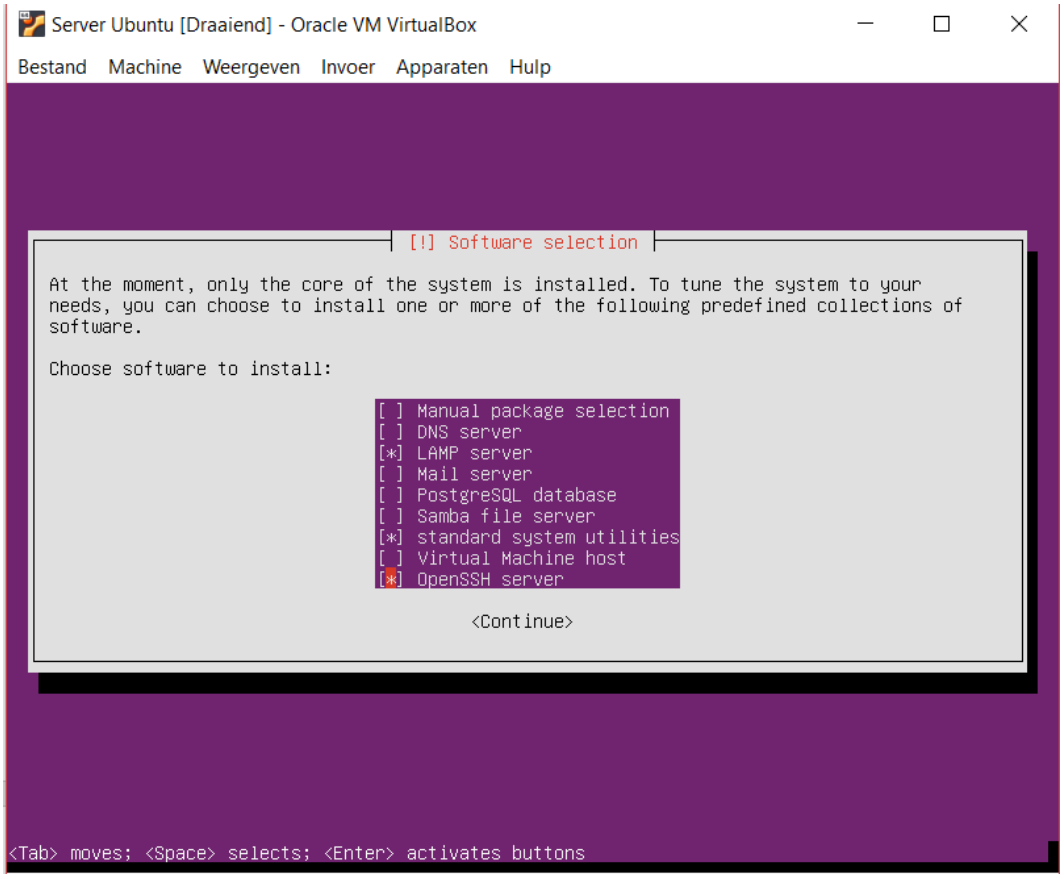
5) After this is configured the HTTP proxy information will be asked. Leave this blank by selecting continue.

6) Next and option will come about how you want to manage your updated. It is best to select '**No automatic updates**'.

7) Next a range of options for software is given. Select **LAMP Server** and **OpenSSH** by moving to the option with the arrow keys and selecting them with the spacebar. Standard system utilities is already selected.



8) After the software is installed the MySQL server will be configured. If you are going to implemented your project it is important to user the same PhpMyAdmin password that is used in your project. You can view this in your **.env** file in your project. If you got it, use this password under **'New password for the MySQL root user'**.

9) Software will continue installing and after that is done you will get the option to install the **GRUB boot loader** to the master boot record. You will choose **'Yes'** this time. After that it will show that the installation is finished so press **'Continue'** and view your server.

4. Install the needed software using the terminal.

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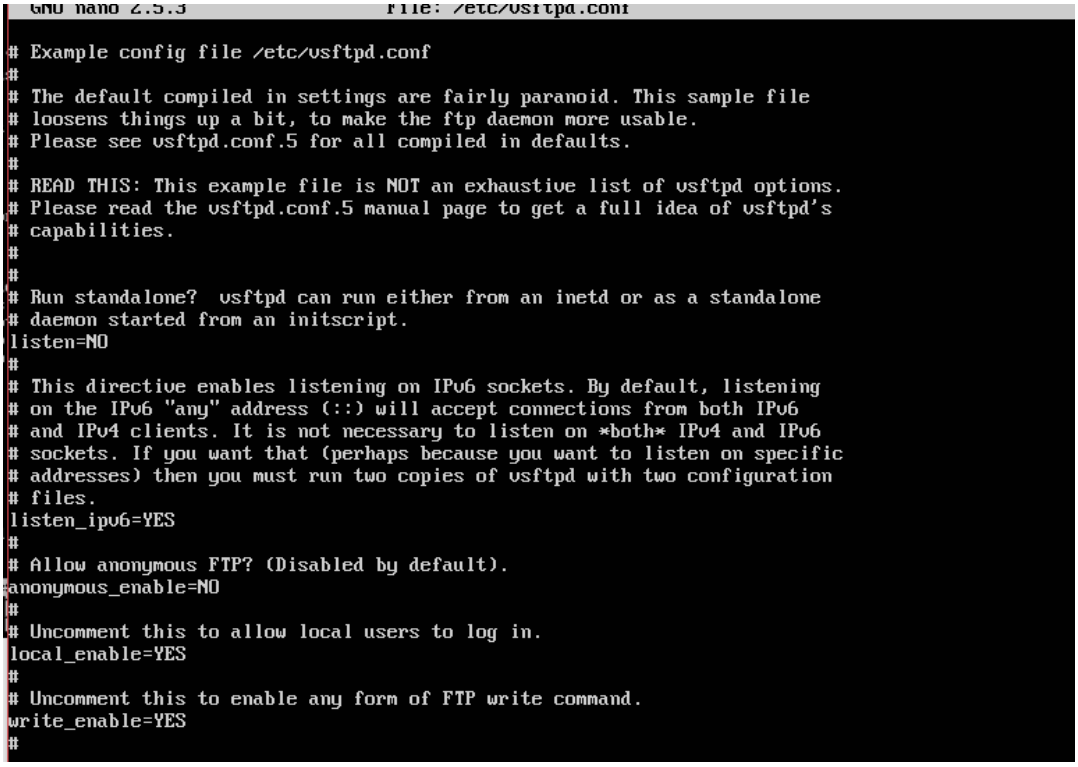
1) When opening the server for the first time. Log in and use the command. **'sudo apt-get update'**. To make sure everything is up to date.

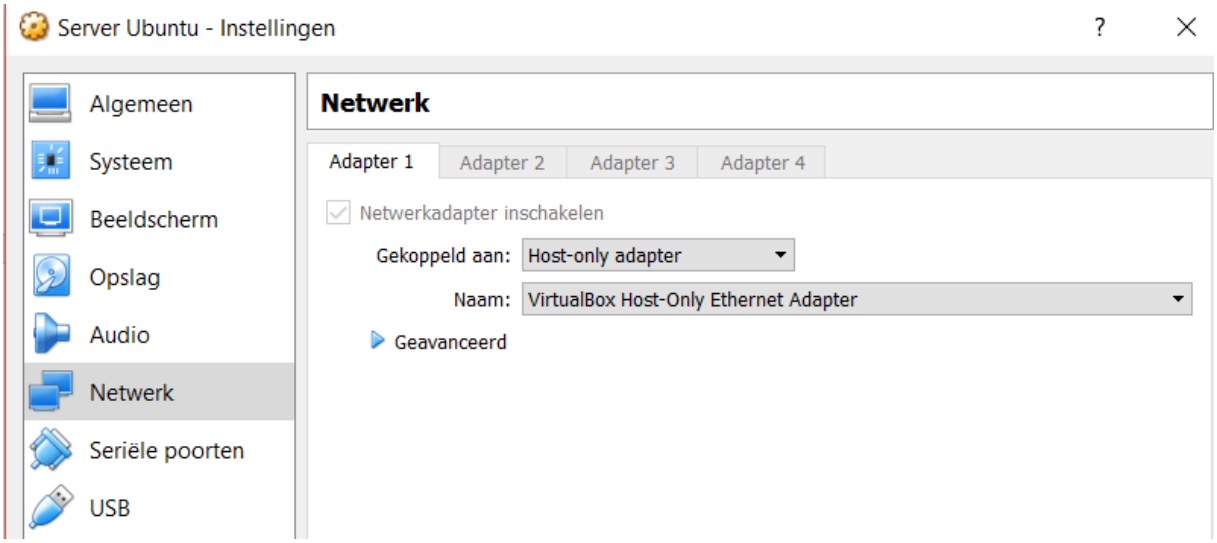
2) Later on you will want to transfer your project files to your new server. You will need FileZilla to transfer all these files. You should have FileZilla installed on your own workspace. But now it needs to be installed on the server. To install FileZilla use the command: **'Sudo apt-get install vsftpd'**.

3) To make FileZilla work properly a file need to be edited. Go to this file by using the command **'Sudo nano /etc/vsftpd.conf'**. Move to the bottom of this file and remove the **#** from the line **'Write_enable= YES'.** Use **Ctrl + X** to save your changes and press enter to move on. After that restart FileZilla by using: **'Sudo service vsftpd restart'.**



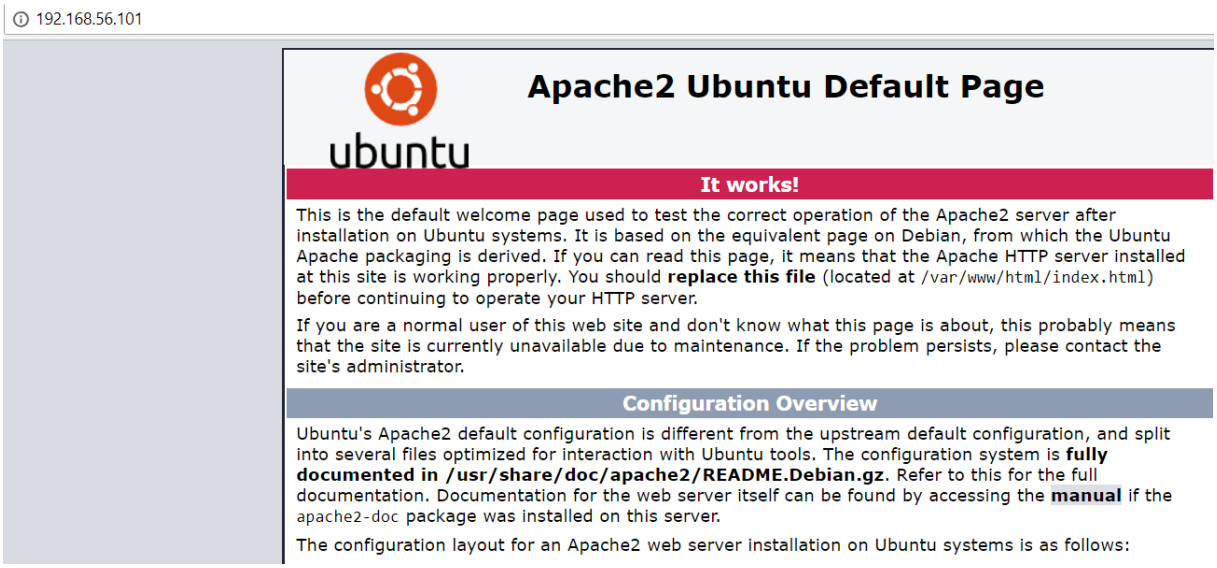
4) Now you will view your IP. But before you do that you will change your network configurations in VirtualBox. Right now it is set to **NAT**. This has to be set this way to download al the software needed to run your server. But right now you will have to change this from **NAT** to **Host-only adapter.** In my case I had to shut down the machine, change the network and restart it. But it can also without shutting of the machine. Right-click on the double computer symbol on the bottom of the terminal.

The VirtualBox settings will be opened. Change network by selecting Host-only adapter from the list called '**connected to**'. It will look like this.



Right now you can check your IP address by using the command: **'ip addr show'**. You should be able a IP like **192.168.56.102.** If this is not the case shut down your machine. Locate the VirtualBox network settings which will show a screen similar to the image shown above and change your settings to Host-Only.

5) If this is all working well type in your IP address in your browser to view this page.

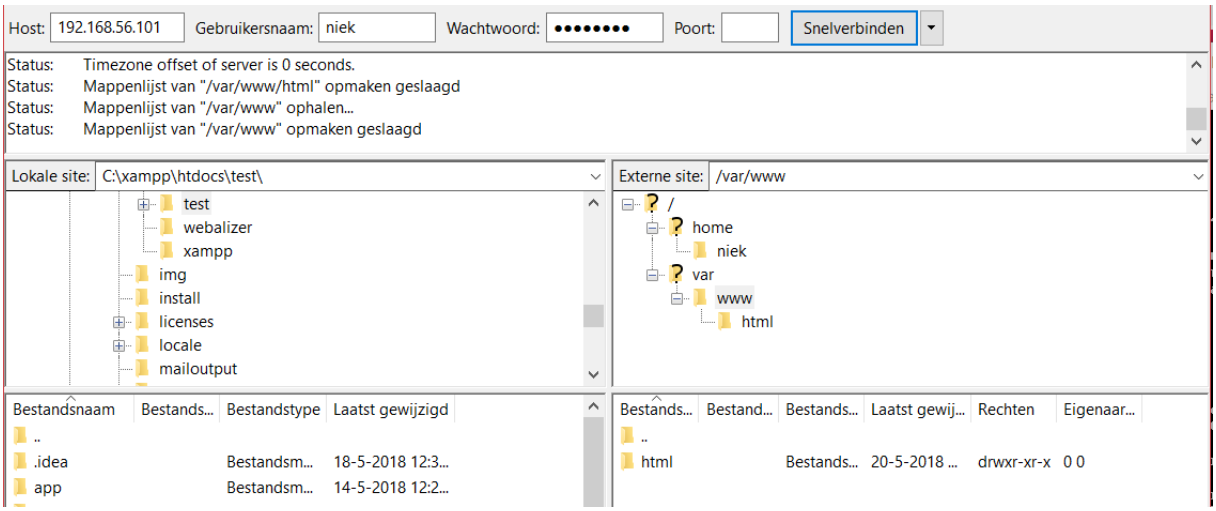


7. Put the files on the server using FileZilla

After everything is configured in FileZilla and the landing page can be shown by using your IP. It is time to transfer your project files to your server by using FileZilla.

1) Open FileZilla and connect to your server by using these credentials.
   a) **Host:** your IP used to view your server (in my case 192.168.56.102)
   b) Your Ubuntu username and password created while setting up your Ubuntu server.
   c) The port will be empty.

2) If you connected locate the folder where you will put your project files by typing **'/var/www/'**. In external site.



3) Open the **html** folder and remove the standard **index.html** file from this project. Now you have room for your project.

4) Locate your project from the left hand screen. Open the folder your project is located in and select all your project files by using **Ctrl + A.** Drag the selected files to the html folder. After a while all your project files will be located in your html folder in your server.

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Agreement manager/Project leader

Name	
Date	
Signature	