

## **First Impressions**

**Arthur:** Thus far, this project has taught me firsthand the importance of diversity in software. Both for when trying to run something, and when designing software. Martus, our chosen project, does not like to play nice with linux. The newest version simply does not work, and the older version is difficult to install and test. Luckily, there is still plenty of documentation, which gives me hope that we can continue to work with this.

### **Angel:**

The most latest version of martus is not compatible with linux systems the most recent version martus that works on linux system is martus 4.4. Martus took some research to get working but with some help I was finally able to get martus working. I was unable to get any existing tests running.

**Brett:** Although I can get the Martus software itself up and running I am still experiencing system related issues with my virtual machine and using eclipse to edit as well as run the martus files. I've been experiencing crashes with eclipse while attempting to install it and am in the process of determining the proper amount of cores to allocate to my virtual machine in order to have it running properly.

**Hugo:** At first glance, Martus was a good project candidates, since the documentation seemed to be an amazing resource, but we were held back in the testing of the platform due to the restraints of using the Linux operating system. We were forced to use Martus 4.4 instead of the current Martus 5.1, which has several major issues associated with Linux. The documentation to get Martus to compile was mostly outdated, but provided a good resource, although everything had to be stuck together in order for it compile to run the designed test cases.

## **Deliverable 1:**

Checkout or clone project from its repository and build it - if you do not know how to compile the code, ask! Run existing tests and collect results. Evaluate experience and project so far.

### **Checking out:**

Download Martus 4.4 under the previous version of the Linux section of the Martus download page, you will need to unzip the file. Locate martus-sources.zip under the SourceFiles folder of the newly unzipped file, MartusClient-4.4.0. Once you unzip this file, add of the contents to Eclipse under a new project.

Once your project has been created and the source files added to it, right click the project and navigate to properties then to java build path. From here add the following external jar files from the ThirdParty folder in MartusClient-4.4.0.

The jar files are:

- bc-jce.jar

- bcprov-jdk15on-148.jar
- commons-logging.jar
- icu4j-3.4.4.jar
- jcommon-1.0.17.jar
- jfreechart-1.0.14.jar
- js-2006-03-08.jar
- junit-4.11.jar
- layouts-2006-08-10.jar
- orchid-0.9.1.jar
- persiancalendar-2.1.jar
- velocity-dep-1.4.jar
- ws-commons-util-1.0.2.jar
- xmlrpc-client-3.1.3.jar
- xmlrpc-common-3.1.3.jar
- Include the primary martus.jar file to the external jar files list, and it is located on the root of the MartusClient-4.4.0 folder. Select Ok to finish.

Finally create an eclipse Run entry that will allow you to launch Martus: Click the run button, and choose Java Application Click New Give this configuration a name, such as Martus For Main class, click Search Double click Martus, hit apply, and then Run Martus should now start

### **Evaluation:**

The constants imposed upon us such as only being able to use the Linux operating system created a scenario, in which we had to make several different developing decisions such as running an older version of Martus, since the current version has several different display issues associated with it. We were forced to use Martus 4.4 instead of the current Martus 5.1. We experienced system related issues with our virtual machines such as determining the proper amount of RAM and physical memory in order for our IDE, Eclipse, to run with minimal lag. Another issue arose when we were trying to edit the files within Eclipse, and it would continue to crash, but this issue related back to the aforementioned RAM problems associated with our virtual machines.

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