

ANEXO II

Webbot para Datos Bibliométricos (WB).

Integrantes :

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Rodríguez Nahuel.

Cátedra :

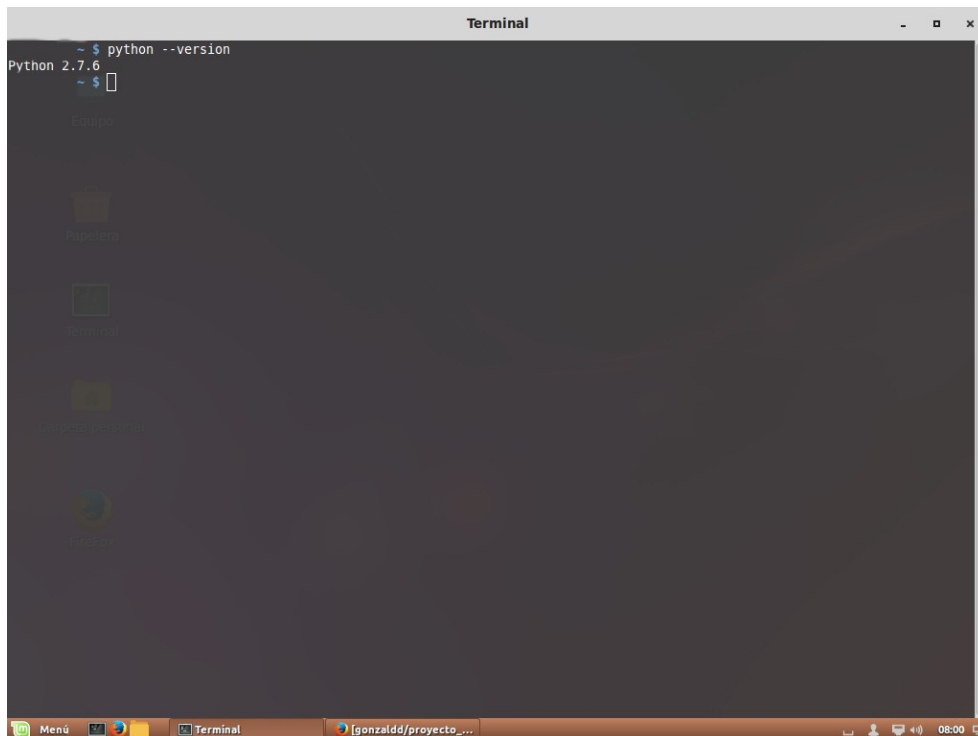
Proyecto de Software
Licenciatura en Sistemas

2015

REQUISITOS

Se contemplan como pre-requisitos para la instalación, tener configurado:

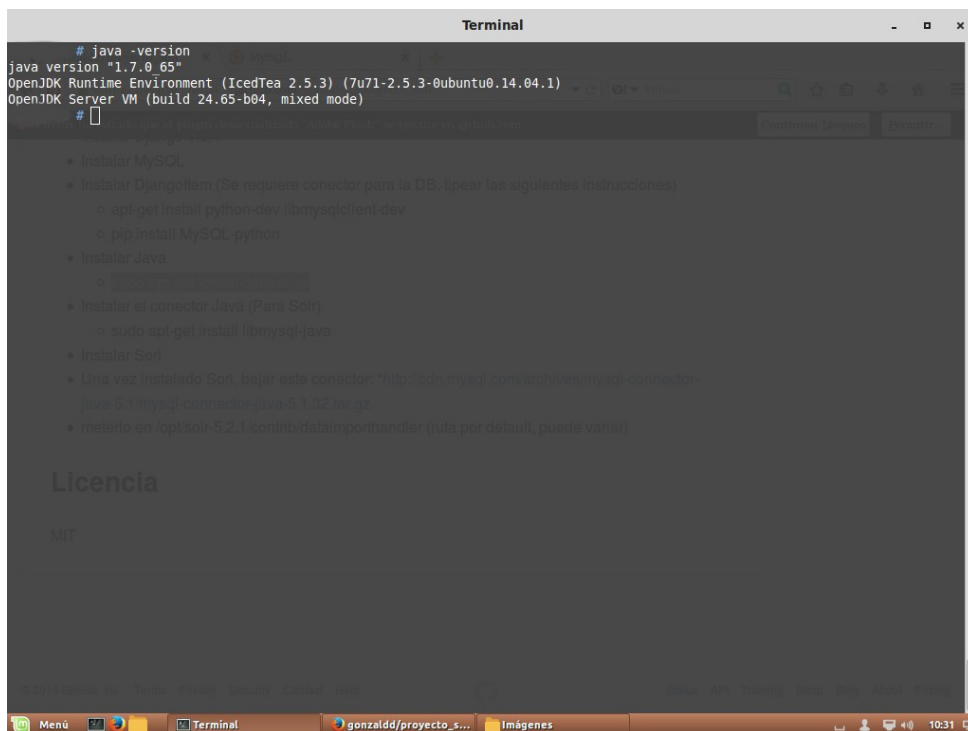
- Python versión 2.7.x.



A terminal window titled "Terminal" with a dark background. The prompt is "~ \$". The command "python --version" has been entered, and the output is "Python 2.7.6". The prompt is now "~ \$". In the background, a desktop environment is visible with icons for "Escritorio", "Reciclaje", "Tramite", "Recursos", "Gonzalo's Desktop", and "Papelera". The bottom of the window shows a taskbar with a "Menú" button, application icons, and a system tray with the time "08:00".

```
~ $ python --version
Python 2.7.6
~ $
```

- Java versión 1.7.x.



A terminal window titled "Terminal" with a dark background. The prompt is "#". The command "java -version" has been entered, and the output is "java version "1.7.0_65" OpenJDK Runtime Environment (IcedTea 2.5.3) (7u71-2.5.3-0ubuntu0.14.04.1) OpenJDK Server VM (build 24.65-b04, mixed mode)". The prompt is now "#". Below the terminal output, there is a list of instructions for installing MySQL and Java. The instructions are: "• Instalar MySQL", "• Instalar Djangoitem (Se requiere conector para la DB, tipear las siguientes instrucciones)", "◦ apt-get install python-dev libmysqlclient-dev", "◦ pip install MySQL-python", "• Instalar Java", "◦ [http://www.oracle.com/technetwork/java/javase-downloads-136437.html](\"#\")", "• Instalar el conector Java (Para Sord)", "◦ sudo apt-get install libmysql-java", "• Instalar Sord", "• Una vez instalado Sord, bajar este conector: [http://cds.mysql.com/archives/mysql-connector-java-5.1/mysql-connector-java-5.1.32.tar.gz](\"http://cds.mysql.com/archives/mysql-connector-java-5.1/mysql-connector-java-5.1.32.tar.gz\")", "• meterlo en /opt/sord-5.2.1/contrib/dataimporthandler (ruta por default, puede variar)". Below the instructions, there is a section titled "Licencia" with the text "MIT". At the bottom of the window, there is a taskbar with a "Menú" button, application icons, and a system tray with the time "10:31".

```
# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (IcedTea 2.5.3) (7u71-2.5.3-0ubuntu0.14.04.1)
OpenJDK Server VM (build 24.65-b04, mixed mode)
#
```

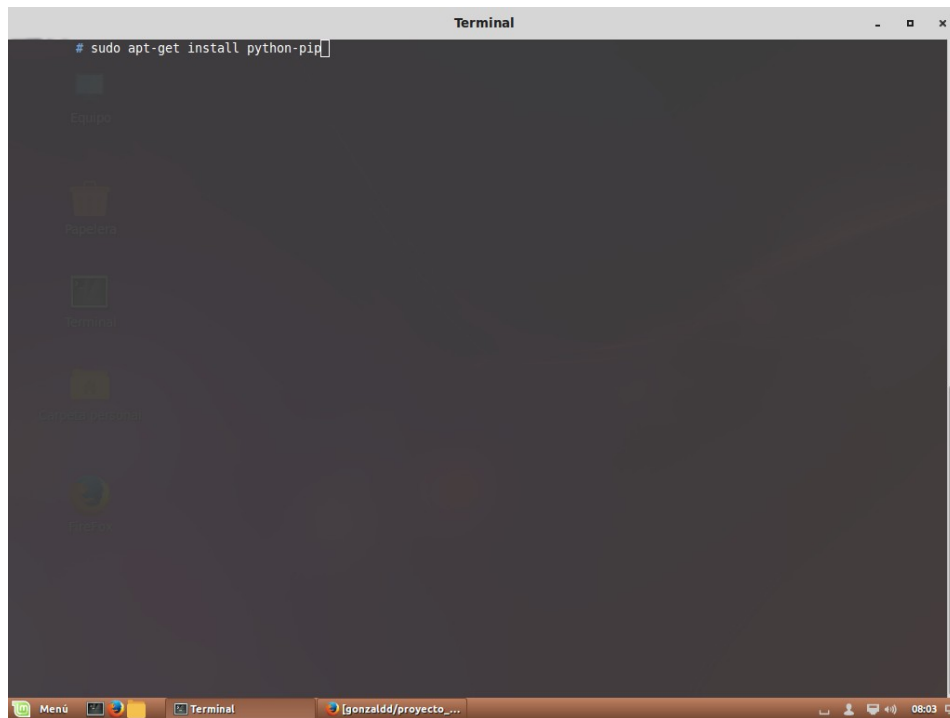
- Instalar MySQL
- Instalar Djangoitem (Se requiere conector para la DB, tipear las siguientes instrucciones)
 - apt-get install python-dev libmysqlclient-dev
 - pip install MySQL-python
- Instalar Java
 - <http://www.oracle.com/technetwork/java/javase-downloads-136437.html>
- Instalar el conector Java (Para Sord)
 - sudo apt-get install libmysql-java
- Instalar Sord
- Una vez instalado Sord, bajar este conector: <http://cds.mysql.com/archives/mysql-connector-java-5.1/mysql-connector-java-5.1.32.tar.gz>
- meterlo en /opt/sord-5.2.1/contrib/dataimporthandler (ruta por default, puede variar)

Licencia

MIT

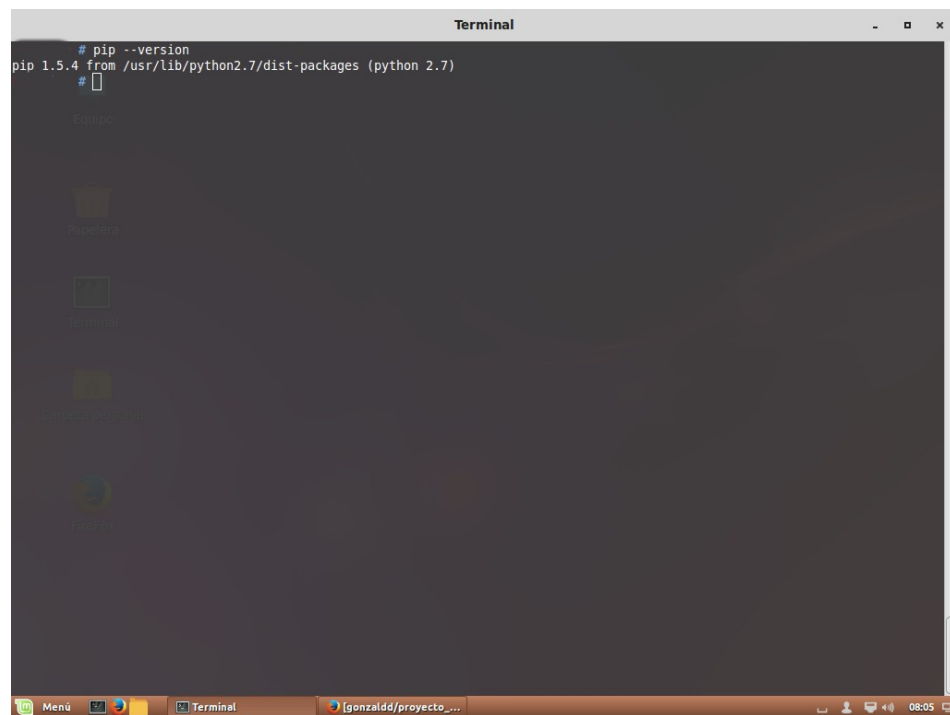
INSTRUCCIONES

1. Instalar PIP 1.5.4 con el siguiente comando:
 - `sudo apt-get install python-pip`.



A terminal window titled "Terminal" is shown. The command `# sudo apt-get install python-pip` has been entered and is ready to be executed. The background of the terminal shows a desktop environment with icons for "Equipo", "Papetera", "Terminal", "Proyecto de...", and "Proyecto". The bottom status bar shows "Menú", "Terminal", and a file path `[gonzaldd/proyecto_...]` with a timestamp of 08:03.

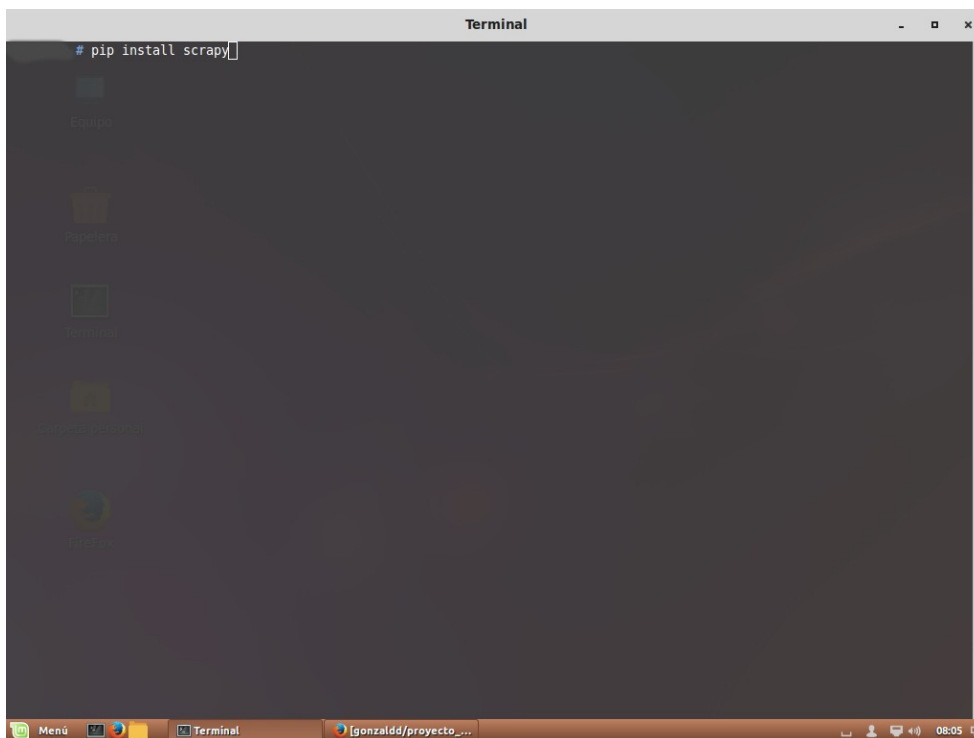
```
# sudo apt-get install python-pip
```



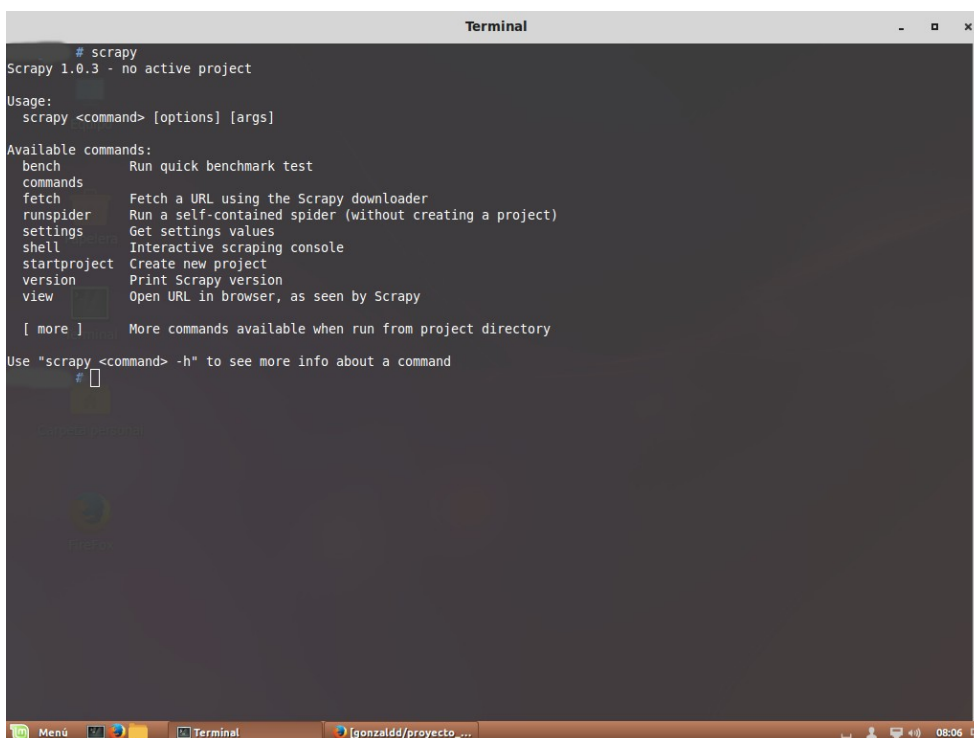
A terminal window titled "Terminal" is shown. The command `# pip --version` has been entered, and the output is displayed: `pip 1.5.4 from /usr/lib/python2.7/dist-packages (python 2.7)`. The background of the terminal shows the same desktop environment as the previous image. The bottom status bar shows "Menú", "Terminal", and a file path `[gonzaldd/proyecto_...]` with a timestamp of 08:05.

```
# pip --version
pip 1.5.4 from /usr/lib/python2.7/dist-packages (python 2.7)
#
```

2. Instalar Scrapy 1.0.3 con el siguiente comando:
- `sudo pip install scrapy`.



A terminal window titled "Terminal" with a dark background. The prompt is `# pip install scrapy` followed by a cursor. The desktop background is visible through the terminal window, showing icons for "Equipo", "Papelera", "Reciclado", "Proyectos de Scrapy", and "Internet". The taskbar at the bottom shows a "Menú" button, application icons, and a status bar with the text "[gonzald/ proyecto_...", a network icon, and the time "08:05".



A terminal window titled "Terminal" with a dark background. The prompt is `# scrapy`. The output shows the Scrapy version and a list of available commands. The desktop background and taskbar are visible through the terminal window, showing the same icons and status bar as the previous image, but with the time "08:06".

```
# scrapy
Scrapy 1.0.3 - no active project

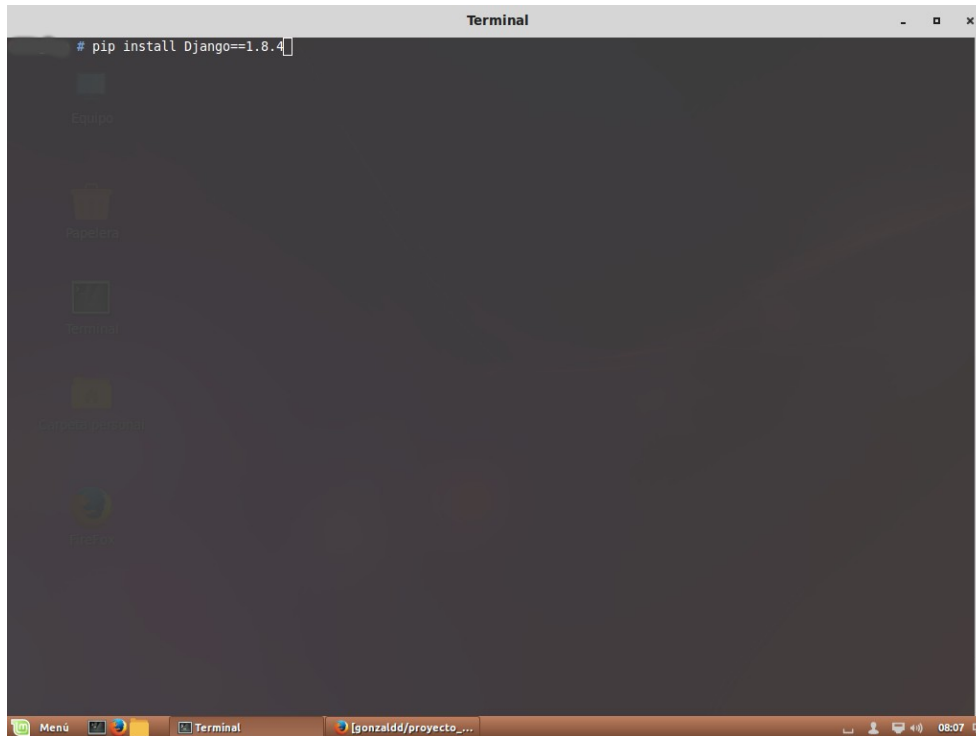
Usage:
  scrapy <command> [options] [args]

Available commands:
bench          Run quick benchmark test
commands
fetch          Fetch a URL using the Scrapy downloader
runspider     Run a self-contained spider (without creating a project)
settings       Get settings values
shell         Interactive scraping console
startproject   Create new project
version        Print Scrapy version
view          Open URL in browser, as seen by Scrapy

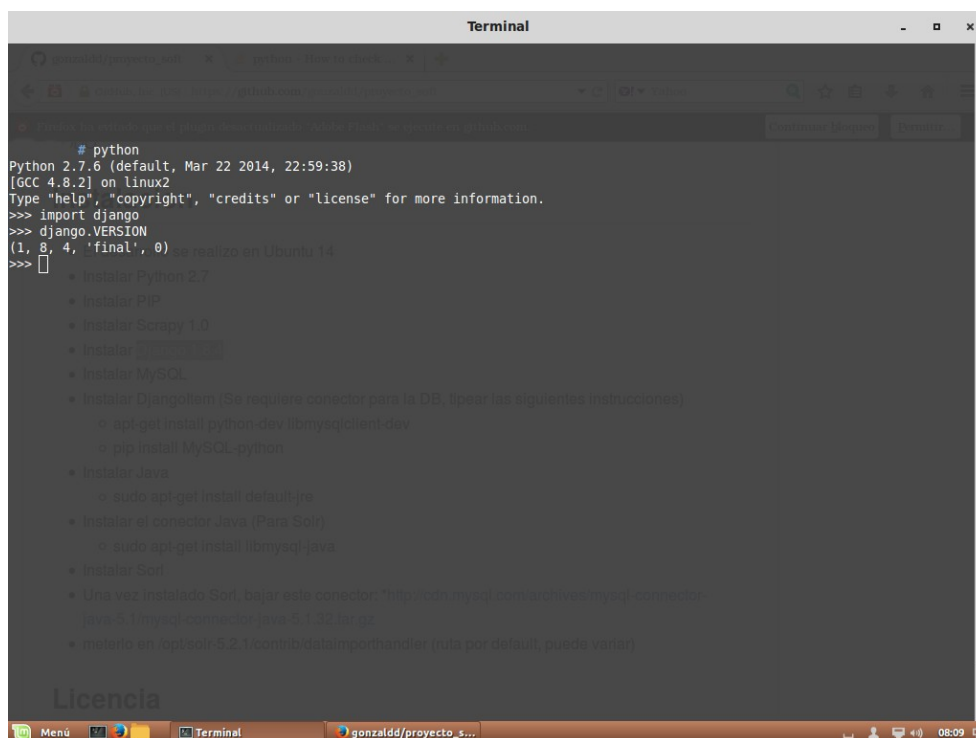
[ more ]      More commands available when run from project directory

Use "scrapy <command> -h" to see more info about a command
#
```

3. Instalar Django 1.8.4 con el siguiente comando:
- `sudo pip install Django==1.8.4`.



A terminal window titled "Terminal" with a dark background. The command `# pip install Django==1.8.4` is entered at the prompt. The desktop background is visible in the background, showing icons for "Equipo", "Papelería", "Música", "Imágenes y vídeos", and "Internet". The taskbar at the bottom shows a "Menú" button, application icons, and a window titled "gonzaldd/proyecto_s..." with the time 08:07.

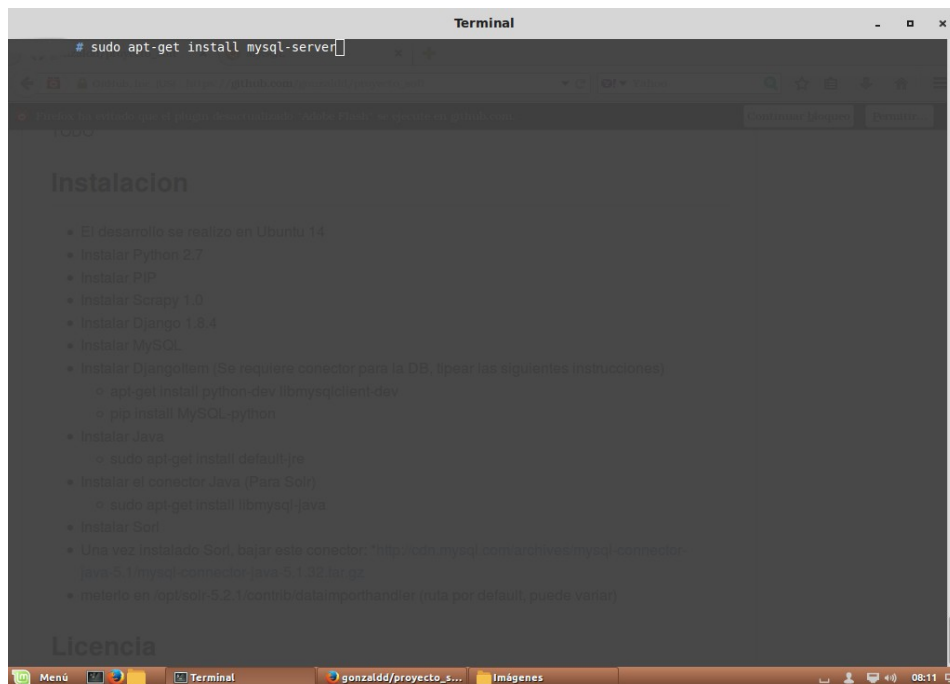


A terminal window titled "Terminal" showing the output of `python`. It displays the Python version (2.7.6) and GCC version (4.8.2). Below this, a list of installation instructions is shown, including installing Python 2.7, PIP, Scrapy 1.0, MySQL, Django, and Java. The instructions are as follows:

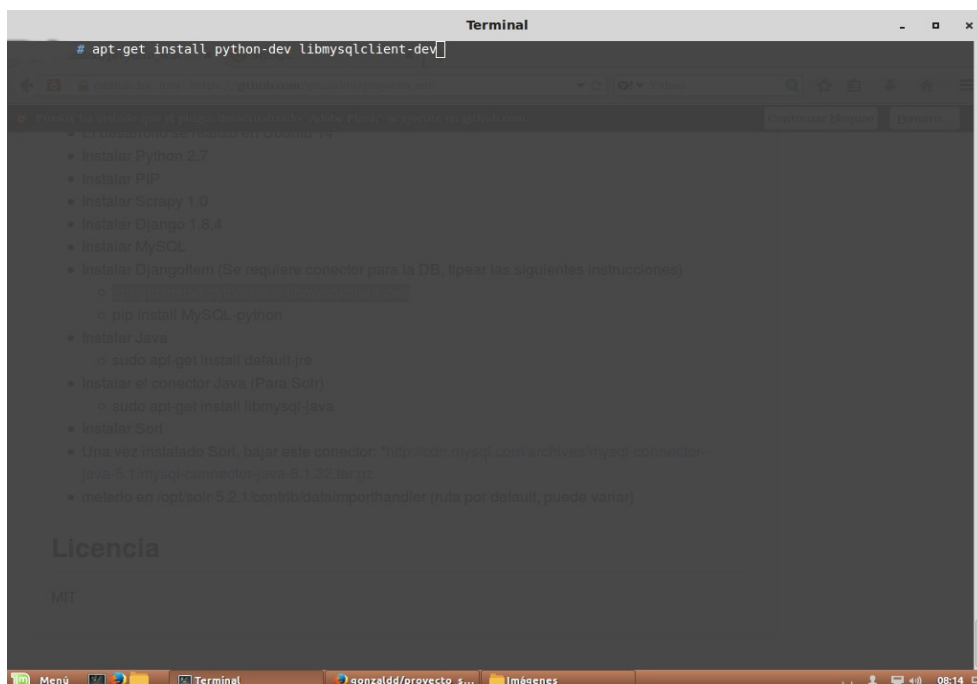
- Instalar Python 2.7
- Instalar PIP
- Instalar Scrapy 1.0
- Instalar `mysql-python`
- Instalar MySQL
- Instalar Django (Se requiere conector para la DB, tipar las siguientes instrucciones)
 - `apt-get install python-dev libmysqlclient-dev`
 - `pip install MySQL-python`
- Instalar Java
 - `sudo apt-get install default-jre`
- Instalar el conector Java (Para Soir)
 - `sudo apt-get install libmysql-java`
- Instalar Soir
- Una vez instalado Soir, bajar este conector: `http://cds.mysql.com/archives/mysql-conector-java-5.1/mysql-conector-java-5.1.32.tar.gz`
- meterlo en `opt/soir-5.2.1/contrib/datalmporthandler` (ruta por default, puede variar)

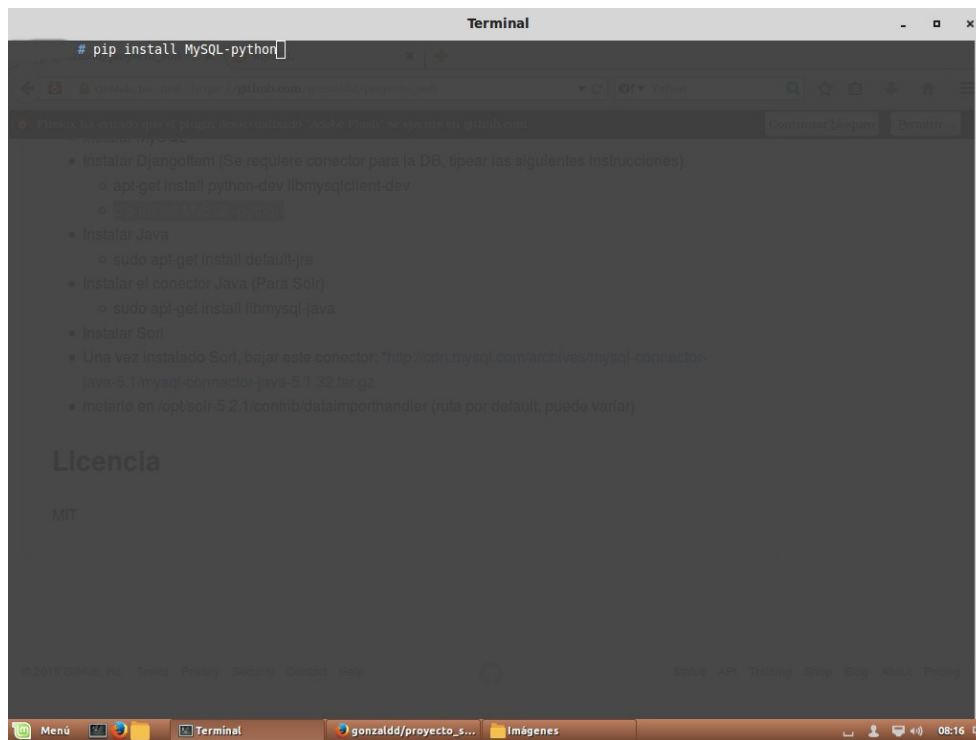
Below the list, the word "Licencia" is visible. The taskbar at the bottom shows the time 08:09.

4. Instalar MySQL con el siguiente comando:
- `sudo apt-get install mysql-server.`

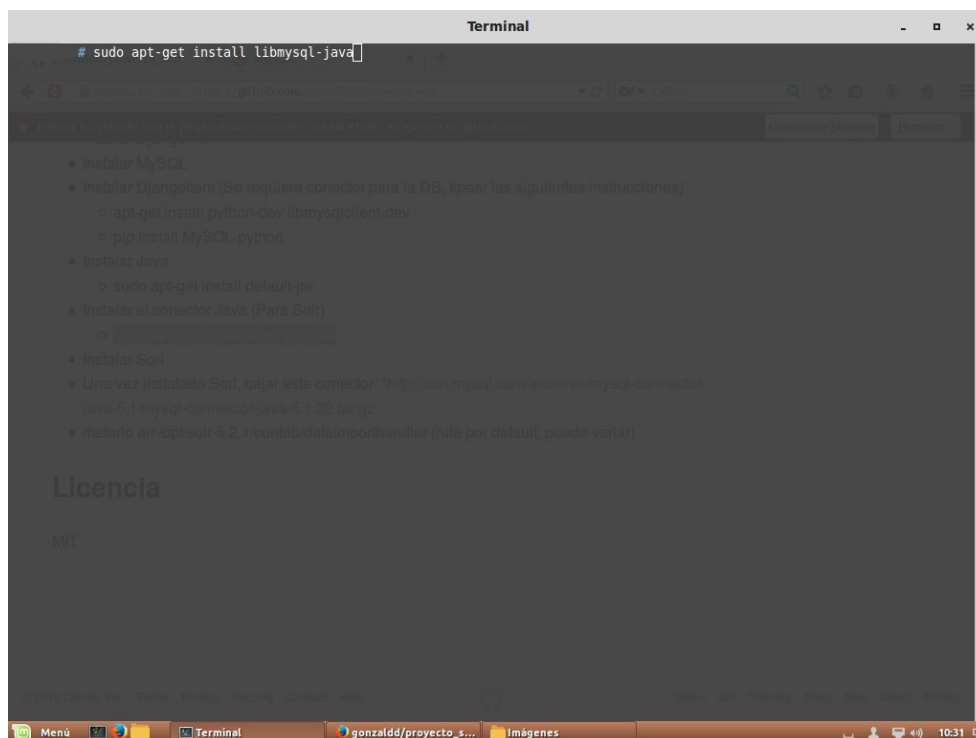


5. Instalar DjangoItem con el siguiente comando:
- `pip install https://pypi.python.org/packages/source/s/scrapy-djangoitem/scrapy-djangoitem-1.0.0.tar.gz`
6. Una vez instalado DjangoItem, se requiere un conector para la base de datos, por lo que se deben ejecutar los siguientes comandos:
- `sudo apt-get install python-dev libmysqlclient-dev.`
 - `pip install MySQL-python.`



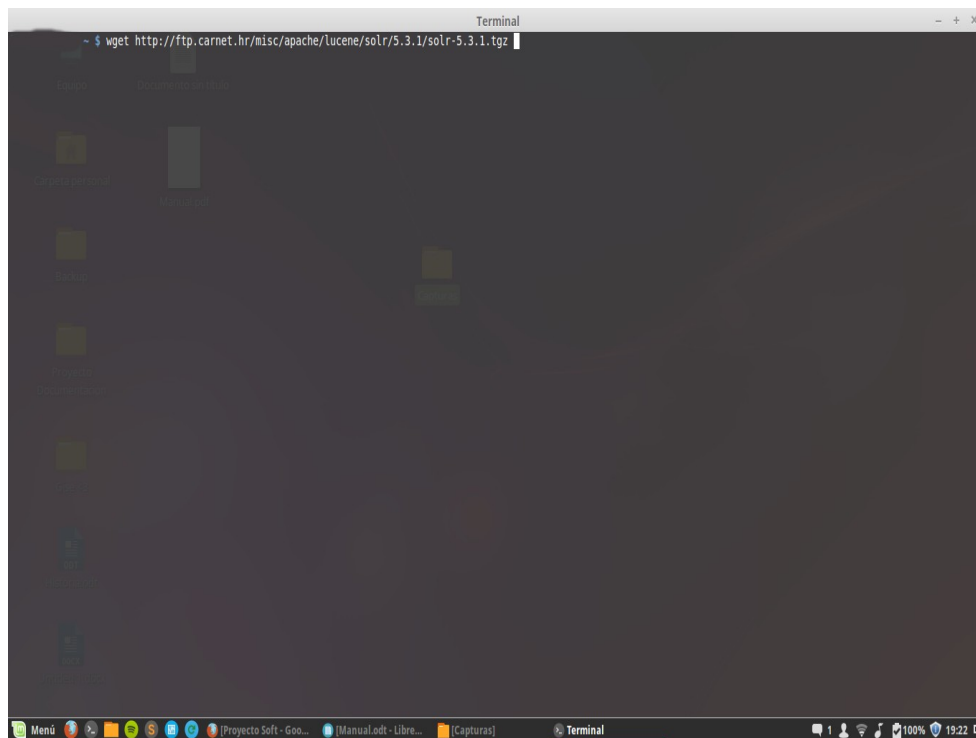


7. Instalar el conector Java para Solr con el siguiente comando:
- `sudo apt-get install libmysql-java.`



8. Descargar el archivo comprimido de Apache Solr con el siguiente comando:

- `wget http://ftp.carnet.hr/misc/apache/lucene/solr/5.3.1/solr-5.3.1.tgz`



9. Una vez descargado, hacer un CD hasta el directorio donde este el paquete, y ejecutar el siguiente comando:

- `tar xzf solr-5.3.1.tgz solr-5.3.1/bin/install_solr_service.sh --strip-components=2.`

10. Posteriormente, ejecutar el siguiente comando:

- `sudo bash ./install_solr_service.sh solr-5.3.1.tgz.`
Por defecto, Solr se instalará en `/opt/solr` y utilizará el puerto 8983.

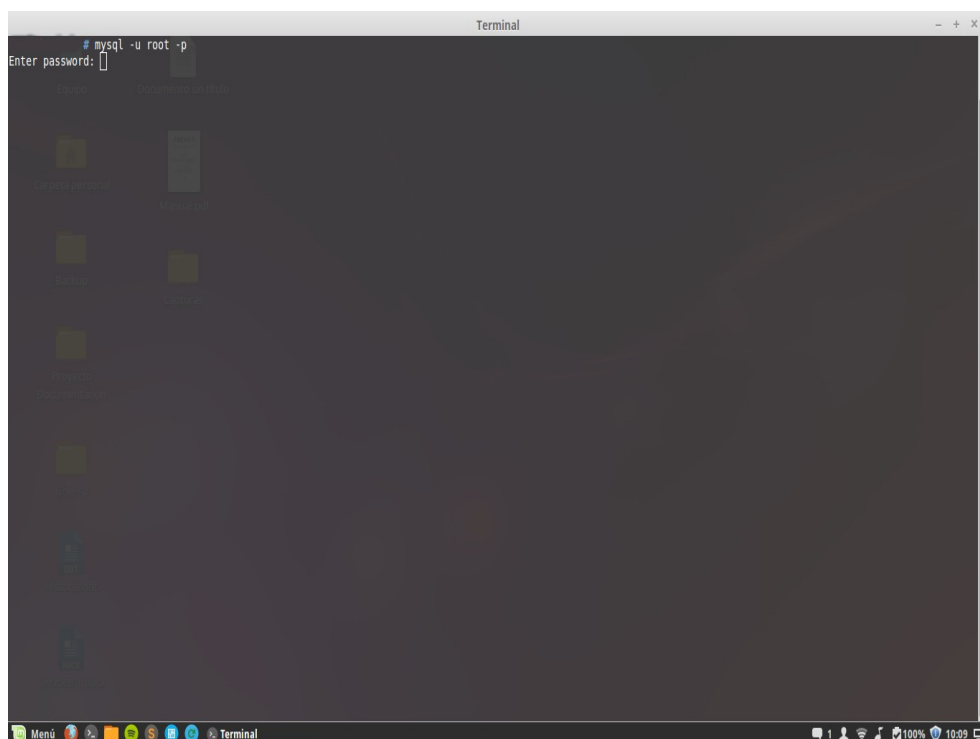
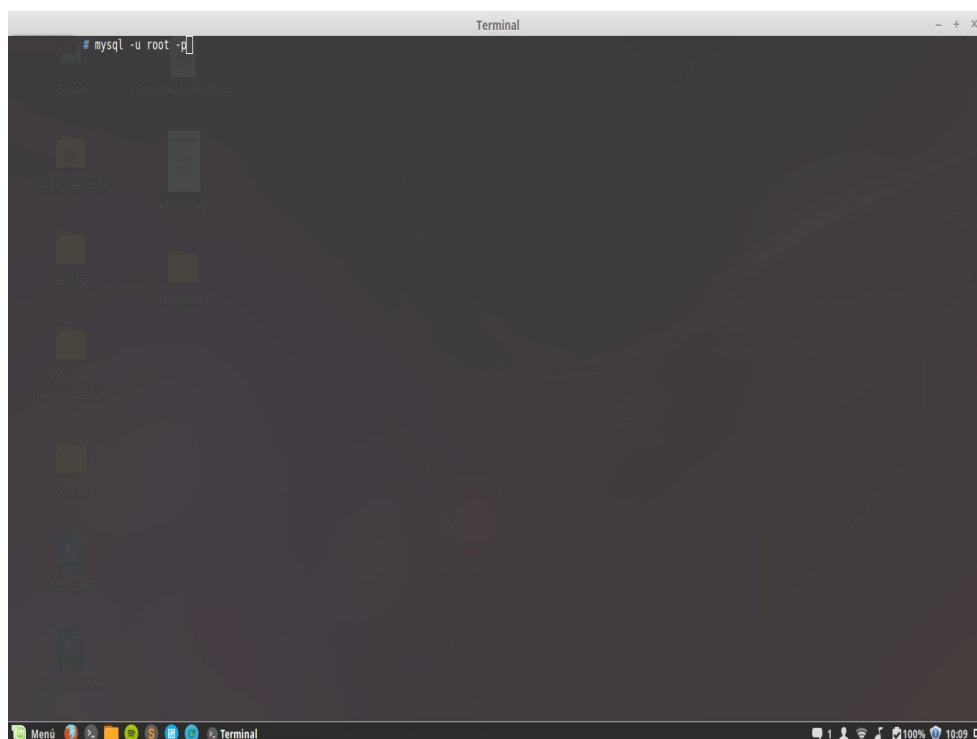
11. Una vez instalado Solr, bajar el siguiente conector:

- <http://cdn.mysql.com/archives/mysql-connector-java-5.1/mysql-connector-java-5.1.32.tar.gz>

Ponerlo en `/opt/solr-5.3.1/contrib/dataimporthandler` (se debe especificar esta ruta en el `solrconfig.xml` de cada core que se utilice).

12. Ejecutar los siguientes comandos en la consola:

- `mysql -u usuario -p` (ingresar contraseña de administrador).
- `create database WB_app`.



13. Ir a `/proyecto_soft/Webbot` y ejecutar por consola el siguiente comando:

- `python manage.py syncdb`.