

1.- /*INSTALACION DE DSPACE */

Verificación del Sistema Operativo:

```
cat /etc/issue
```

Debian 6

```
uname -m
```

```
x86_64
```

2.- /* INSTALACION DE JAVA */

Guía de sugerencia

<http://stackoverflow.com/questions/15543603/installing-java-7-oracle-in-debian-via-apt-get>

```
echo "deb http://ppa.launchpad.net/webupd8team/java/ubuntu precise main" | tee -a  
/etc/apt/sources.list
```

```
echo "deb-src http://ppa.launchpad.net/webupd8team/java/ubuntu precise main" | tee -a  
/etc/apt/sources.list
```

```
apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys EEA14886
```

```
apt-get update
```

```
apt-get install oracle-java7-installer
```

Luego pruebo la version con

```
java -version
```

3.- /* INSTALACION DE TOMCAT */

Guía de sugerencia

<http://tecadmin.net/steps-to-install-tomcat-server-on-centos-rhel/>

Ejecución

```
wget http://apache.mirrors.hoobly.com/tomcat/tomcat-7/v7.0.68/bin/apache-tomcat-7.0.68.tar.gz
```

```
tar xzf apache-tomcat-7.0.68.tar.gz
```

```
mv apache-tomcat-7.0.68/usr/local/tomcat7
```

```
cd /usr/local/tomcat7
```

4.- /* INSTALACION DE POSTGRESQL */

Guía de sugerencia

<http://www.postgresql.org/download/linux/debian/>

```
nano /etc/apt/sources.list.d/pgdg.list
```

AGREGO LINEA

```
deb http://apt.postgresql.org/pub/repos/apt/ squeeze-pgdg main
```

```
wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | \
```

```
sudo apt-key add -
```

```
sudo apt-get update
```

```
nano /etc/postgresql/9.3/main/postgresql.conf
```

Busque la línea `listen_addresses` y verifique que su valor sea el siguiente:

```
listen_addresses = 'localhost'
```

```
nano /etc/postgresql/9.3/main/pg_hba.conf
```

IPv4 local connections:

```
host dspace dspace 127.0.0.1/32 md5
```

```
host all all 127.0.0.1/32 ident
```

```
service postgresql restart
```

5.- /* APACHE MAVEN */

Guía de sugerencia

```
wget http://mirror.cc.columbia.edu/pub/software/apache/maven/maven-3/3.0.5/binaries/apache-maven-3.0.5-bin.tar.gz
```

```
$ sudo tar xzf apache-maven-3.0.5-bin.tar.gz -C /usr/local
```

```
$ cd /usr/local
```

```
$ sudo ln -s apache-maven-3.0.5 maven
```

Next, set up Maven path system-wide:

```
$ sudo vi /etc/profile.d/maven.sh
```

```
export M2_HOME=/usr/local/maven
```

```
export PATH=${M2_HOME}/bin:${PATH}
```

Finally, log out and log in again to activate the above environment variables.

To verify successful installation of maven, check the version of maven:

```
$ mvn -version
```

6.- /* APACHE ANT */

Guía de sugerencia

```
http://xmodulo.com/2013/03/how-to-install-apache-ant-on-centos.html
```

```
wget http://archive.apache.org/dist/ant/binaries/apache-ant-1.9.4-bin.tar.gz
```

```
tar xzf apache-ant-1.9.4-bin.tar.gz -C /usr/local
```

```
cd /usr/local
```

```
ln -s apache-ant-1.9.4 ant
```

```
sh -c 'echo ANT_HOME=/usr/local/ant >> /etc/environment'
```

```
ln -s /usr/local/ant/bin/ant /usr/bin/ant
```

Log out and log back in, to reload the environment variables defined in /etc/environment.

Finally, verify that Apache Ant is successfully installed.

```
$ ant -version
```

7.- /* PARA CONFIGURACION AUTOMATICA DE TOMCAT */

```
/usr/local/tomcat7/bin/startup.sh
```

```
/usr/local/tomcat7/bin/shutdown.sh
```

```
nano /etc/init.d/tomcat7
```

```
#!/bin/sh
```

```
#
```

```
# Tomcat auto-start
```

```
#
```

```
case $1 in
```

```
start)
```

```
sh /usr/local/tomcat7/bin/startup.sh
```

```
;;
```

```
stop)
```

```
sh /usr/local/tomcat7/bin/shutdown.sh
```

```
;;
```

```
restart)
```

```
sh /usr/local/tomcat7/bin/shutdown.sh
```

```
sh /usr/local/tomcat7/bin/startup.sh
```

```
;;
```

```
esac
```

exit 0

chmod 755 /etc/init.d/tomcat7

/etc/init.d/tomcat7 restart

/etc/init.d/tomcat7 start

/etc/init.d/tomcat7 stop

8.- /* Configurando PostgreSQL para DSPACE */

PRIMERO CREAR

useradd -m dspace

sudo -u postgres createuser -U postgres -d -A -P dspace

clave: XXXXXXXX

Creo la base de Datos para este DSPACE

sudo -u dspace createdb -U dspace -E UNICODE dspace

9.- /* INSTALANDO DSPACE */

wget http://sourceforge.net/projects/dspace/files/Dspace%20Stable/4.2/dspace-4.2-src-release.tar.gz

tar xzf dspace-5.4-src-release.tar.gz -C /usr/local

cd /usr/local/dspace-5.4-src-release

nano /usr/local/dspace-5.4-src-release/build.properties

mkdir /dspace

```
chown dspace /dspace
```

```
cd /usr/local/dspace-5.4-src-release/dspace
```

```
mvn package
```

```
cd /usr/local/dspace-5.4-src-release/dspace/target/dspace-5.4-build
```

```
ant fresh_install
```

10.- /* CONFIGURANDO TOMCAT*/

```
<Connector executor="tomcatThreadPool"  
    port="8080" protocol="HTTP/1.1"  
    connectionTimeout="20000"  
    redirectPort="8443" URIEncoding="UTF-8" />
```

```
<Host name="localhost" appBase="/dspace/webapps"  
    unpackWARs="true" autoDeploy="true" >
```

```
In -s /dspace/webapps/jspui /dspace/webapps/ROOT
```

11.- /* EDITANDO EL PROBLEMA DE JAVA HEAP SPACE */

```
/usr/local/tomcat7/bin
```

```
export JAVA_OPTS="-Djava.awt.headless=true -Dfile.encoding=UTF-8 -server -Xms2048m -  
Xmx4096m -XX:NewSize=1024m -XX:MaxNewSize=1024m -XX:PermSize=512m -  
XX:MaxPermSize=1024m -XX:+DisableExplicitGC"
```

ADAPTACIONES GRÁFICAS

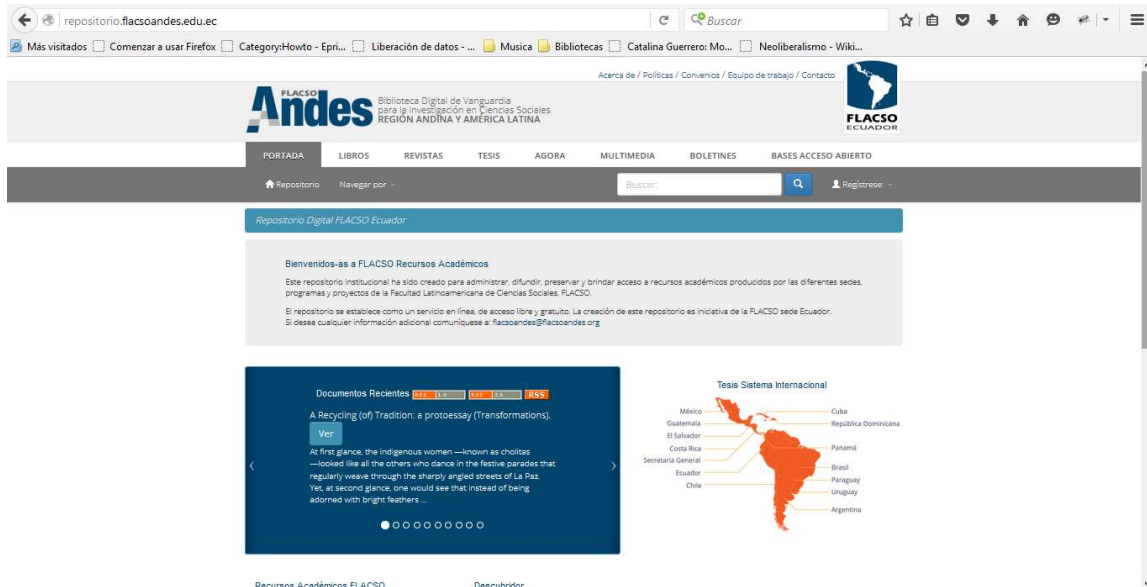


FIG. 1.- FLACSOANDES

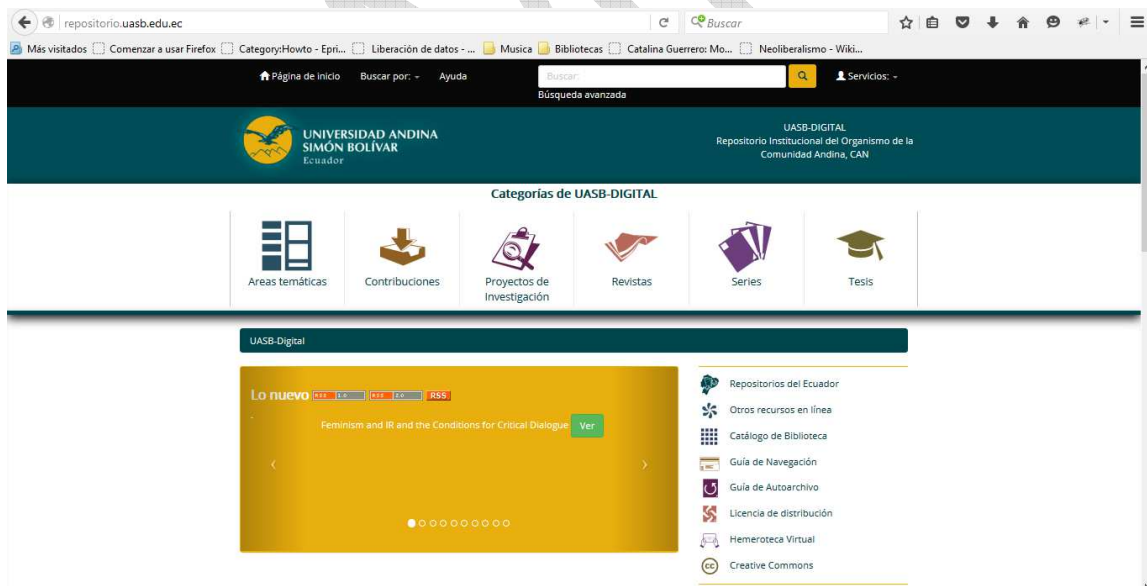


FIG. 2.- UNIVERSIDAD ANDINA SIMÓN BOLIVAR

MANUAL DE INSTALACIÓN DE DSPACE VERSIÓN 5.4

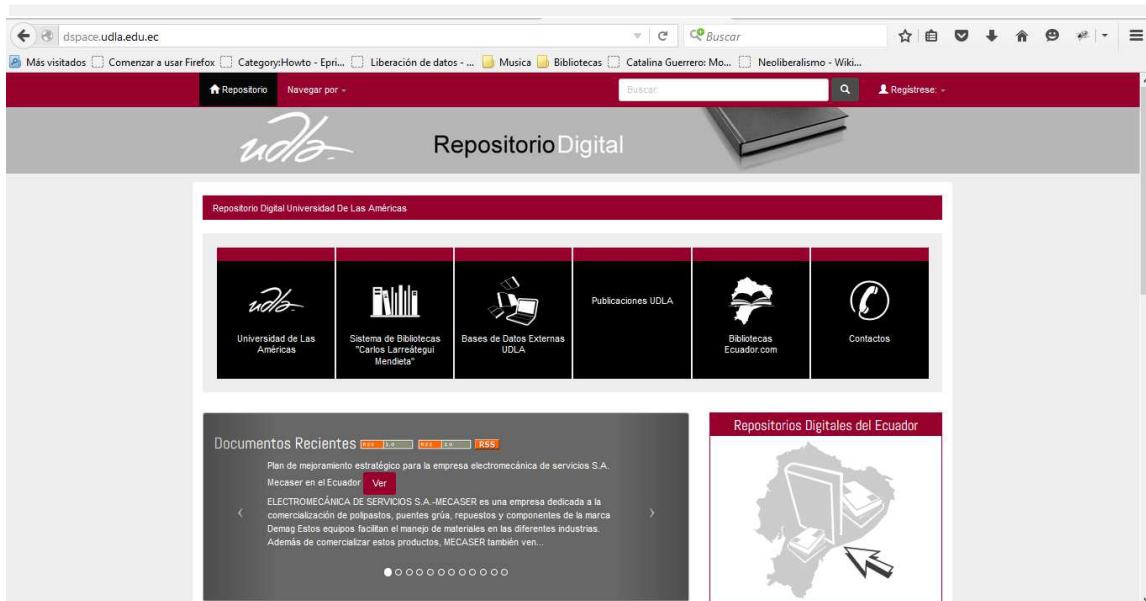


FIG. 3.- UDLA

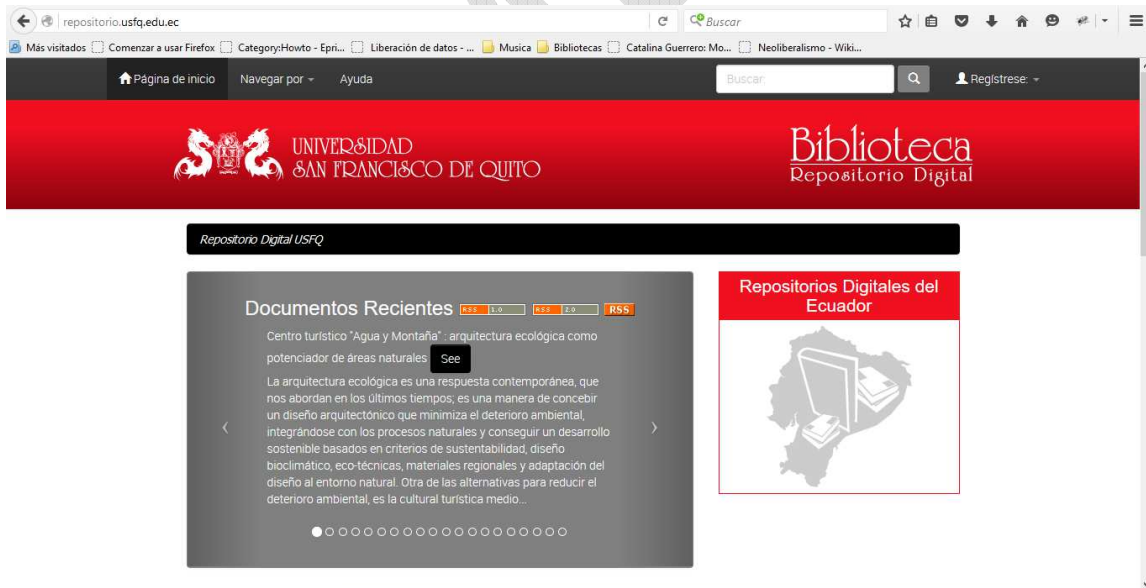


FIG. 4.- USFQ

MANUAL DE INSTALACIÓN DE DSPACE VERSIÓN 5.4

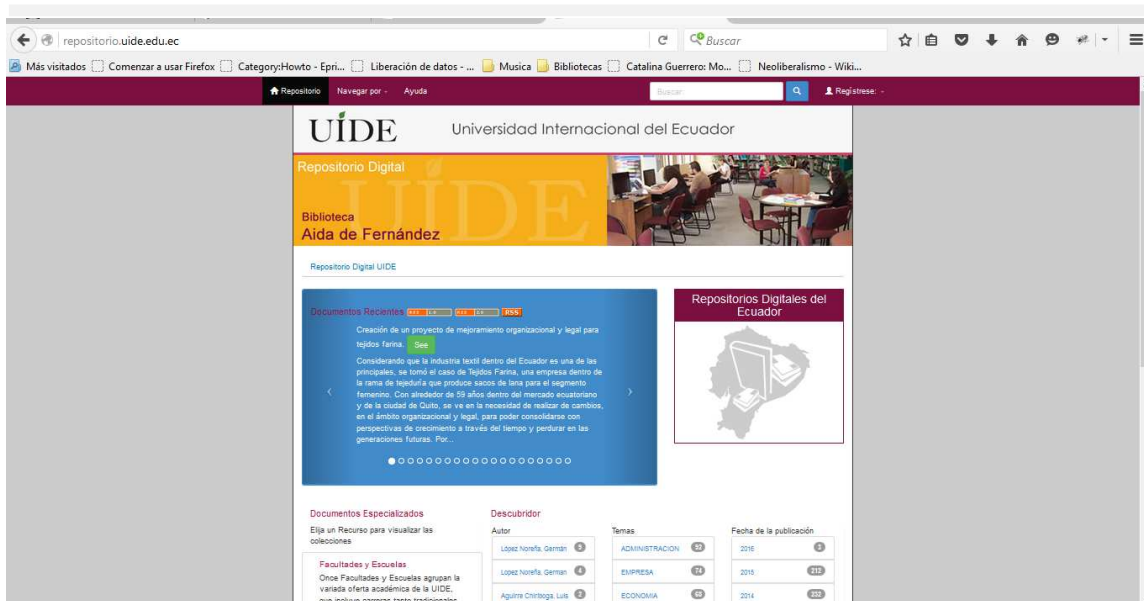


FIG. 5.- UIDE



FIG. 6.- SENESCYT

EJEMPLO

EJEMPLO