



DSpace on Windows XP

Installation Guide

Vaibhav Gaikwad

*Dr. V N Bedekar Institute of Management Studies , Thane (W)
Maharashtra INDIA
Vaibhav.gaikwad2@gmail.com*

Pre-requisite Softwares:

1. Java jdk-1_5_0_06

<http://java.sun.com/javase/downloads/index.jsp>

2. postgresql-8.1.3-1.

If you install PostgreSQL, it's recommended to select to install the pgAdmin III tool

<http://www.postgresql.org/download/windows>

3. Apache Ant 1.6.2 or later. Unzip the package in C:\ and add C:\apache-ant-1.6.2\bin to the PATH environment variable. For Ant to work properly, you should ensure that JAVA_HOME is set.

<http://ant.apache.org/bindownload.cgi>

4. apache-tomcat-6.0.20.

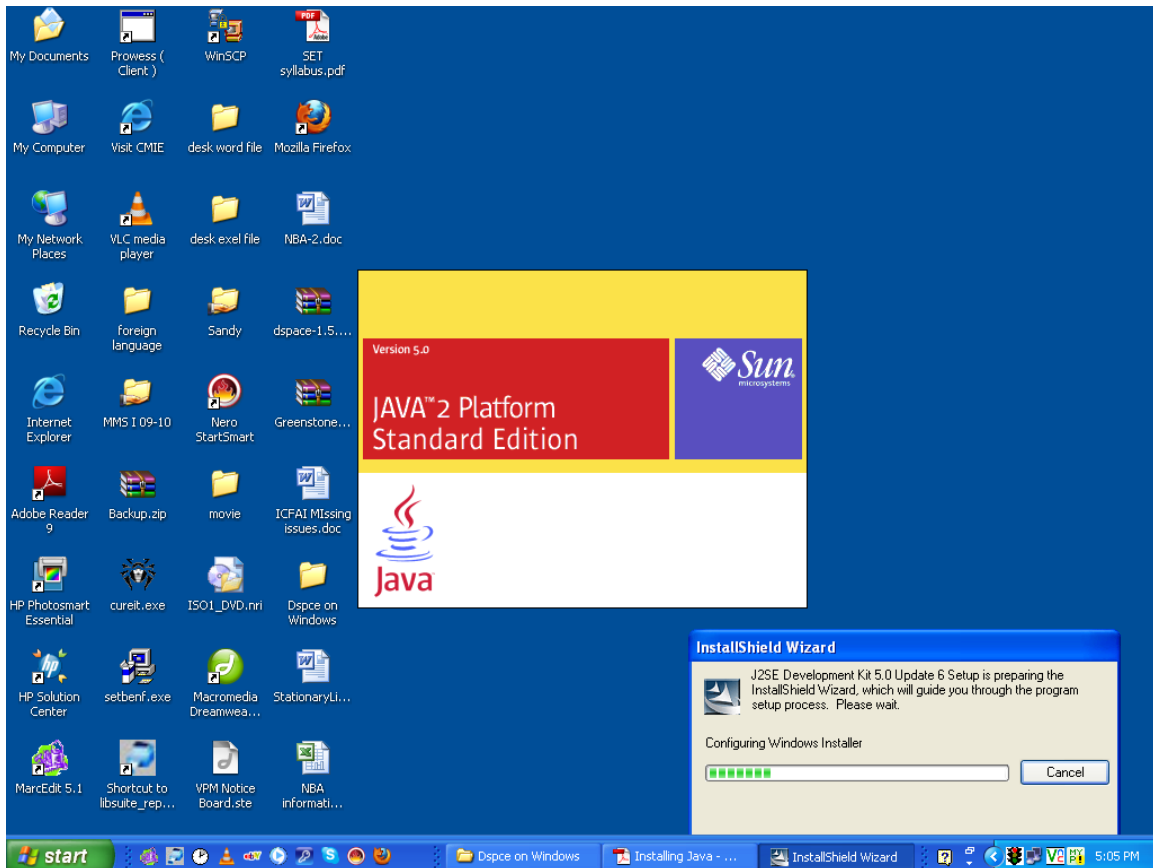
<http://tomcat.apache.org/download-60.cgi>

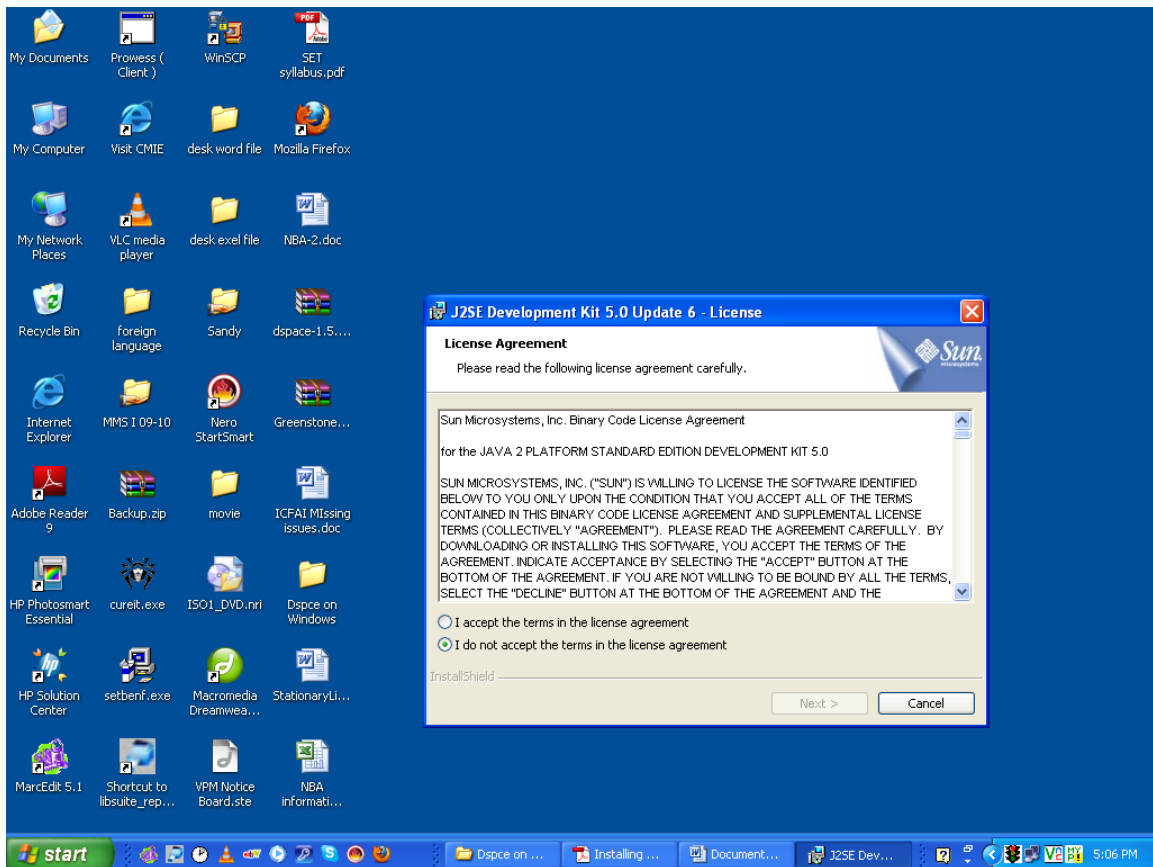
5. apache-maven-2.2.1

<http://maven.apache.org/download.html>

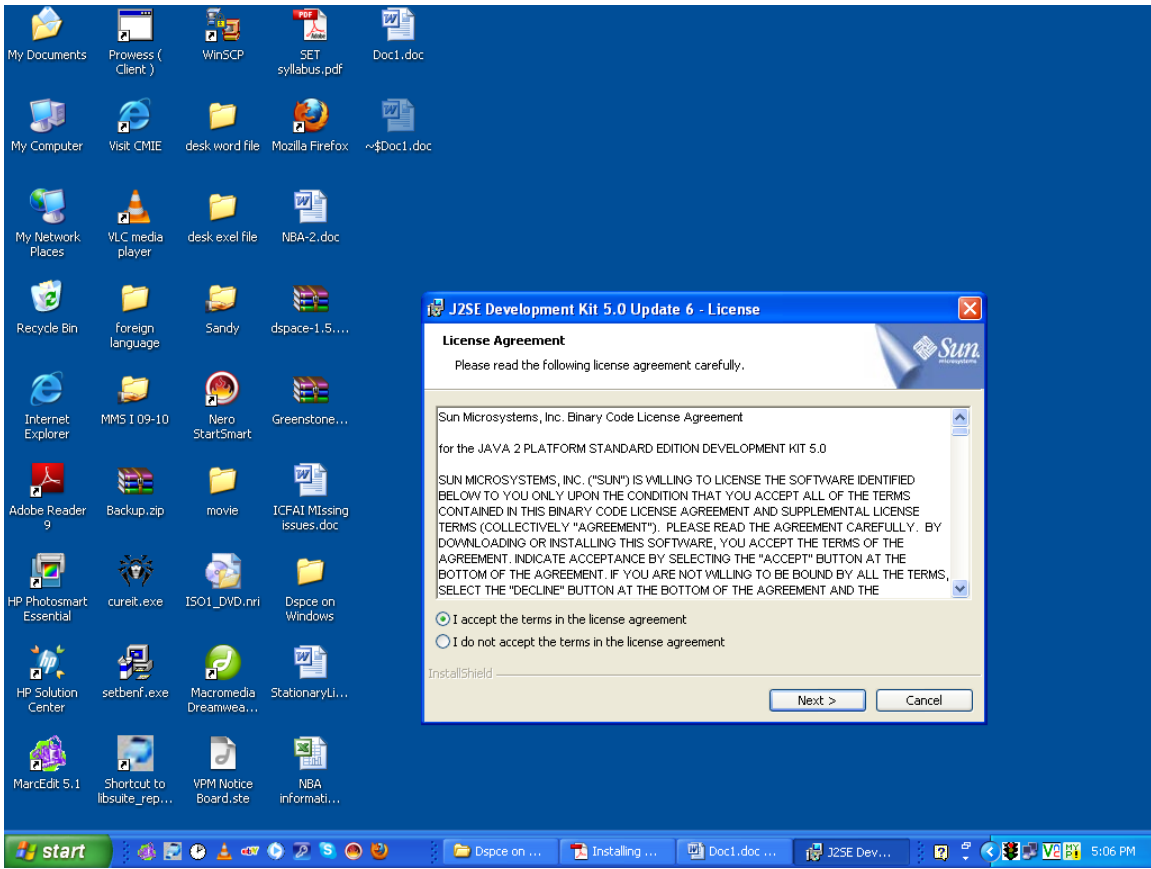
Installing Java

1. Double Click on the Setup File.

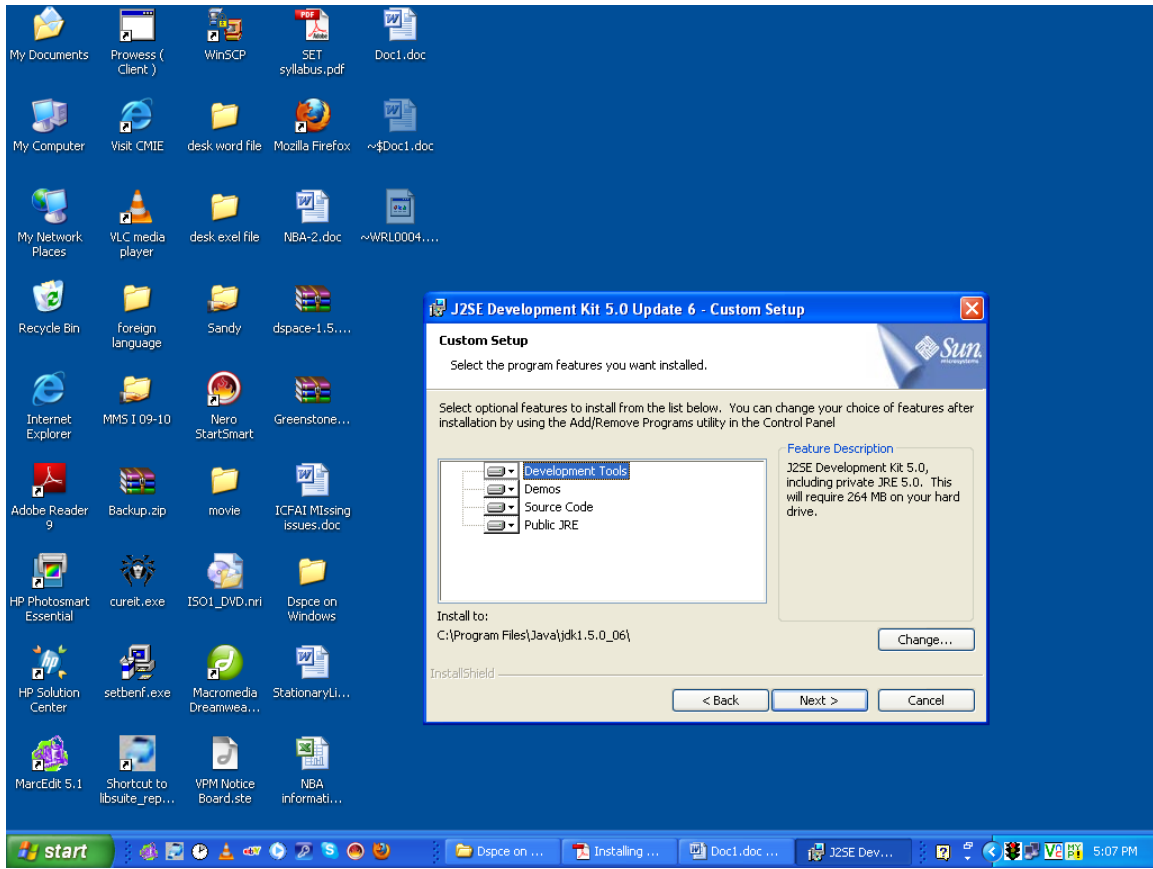




Click (I accept the terms in the license agreement)



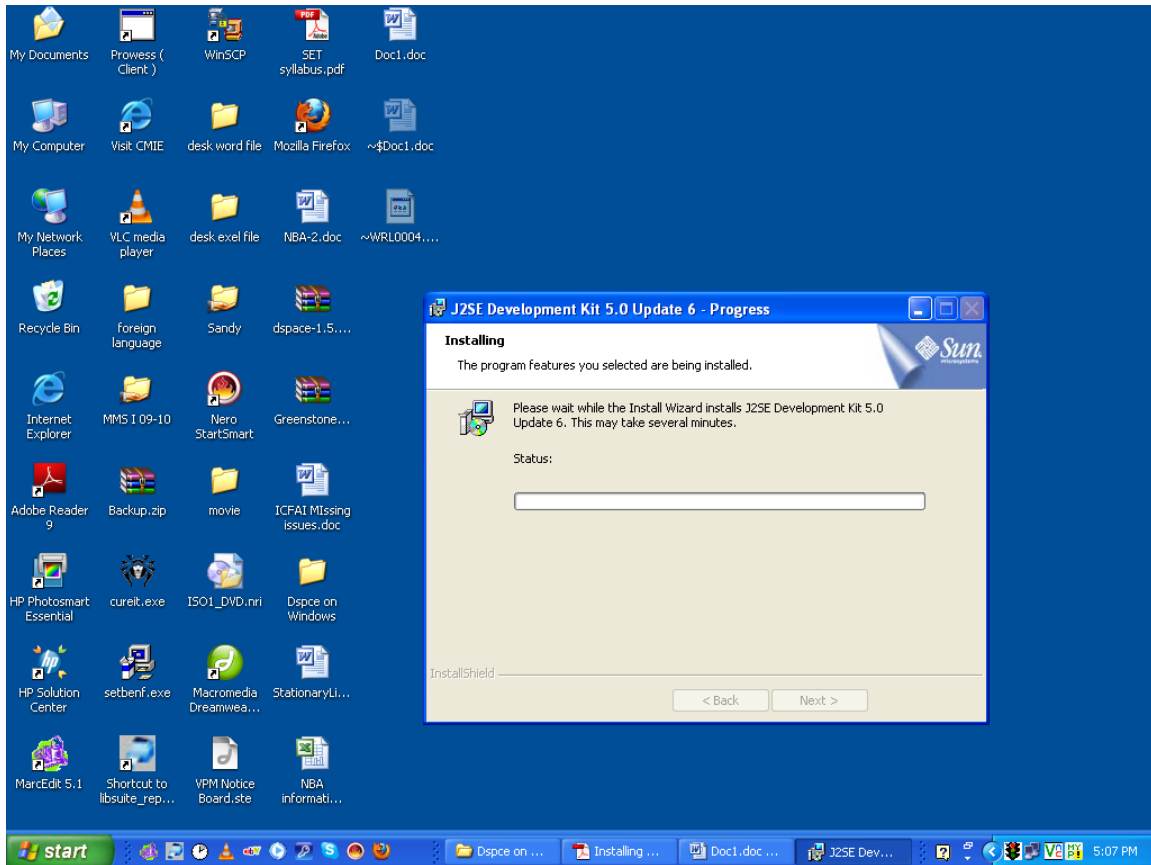
Click Next

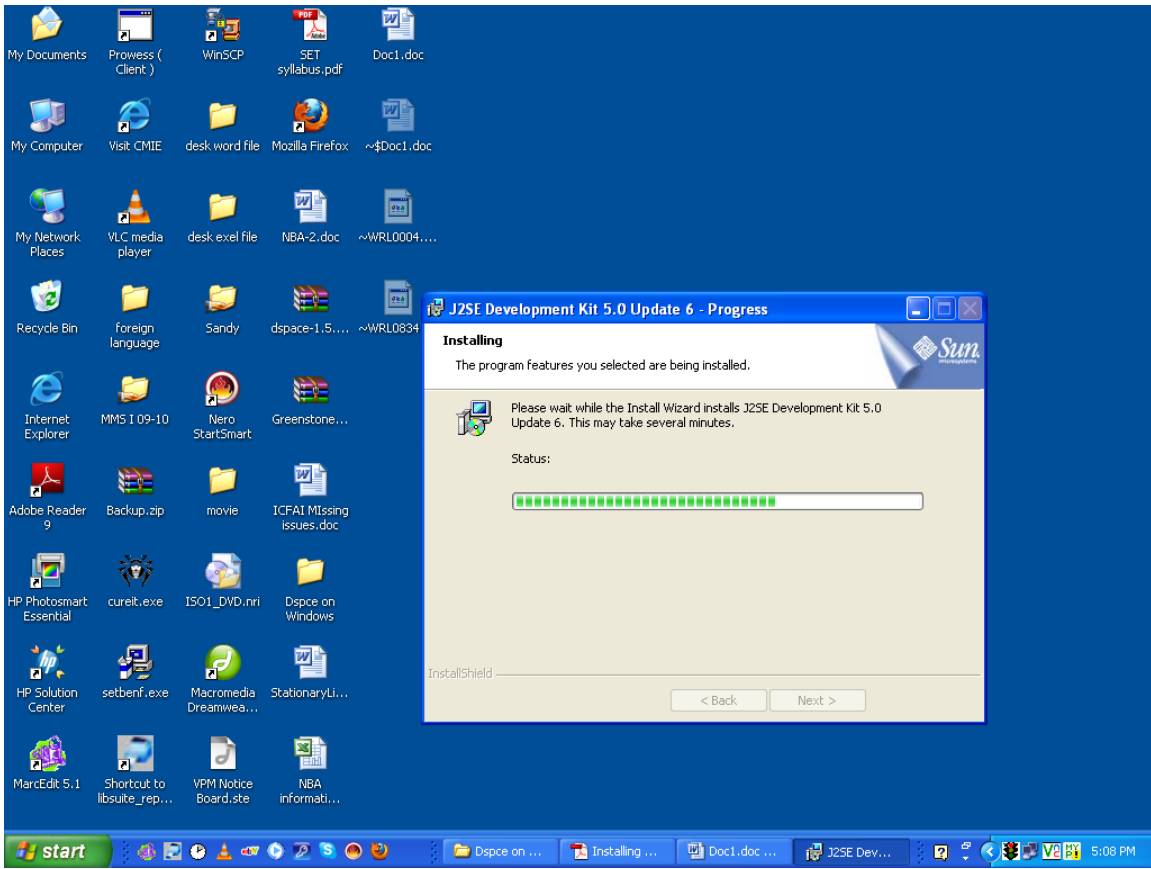


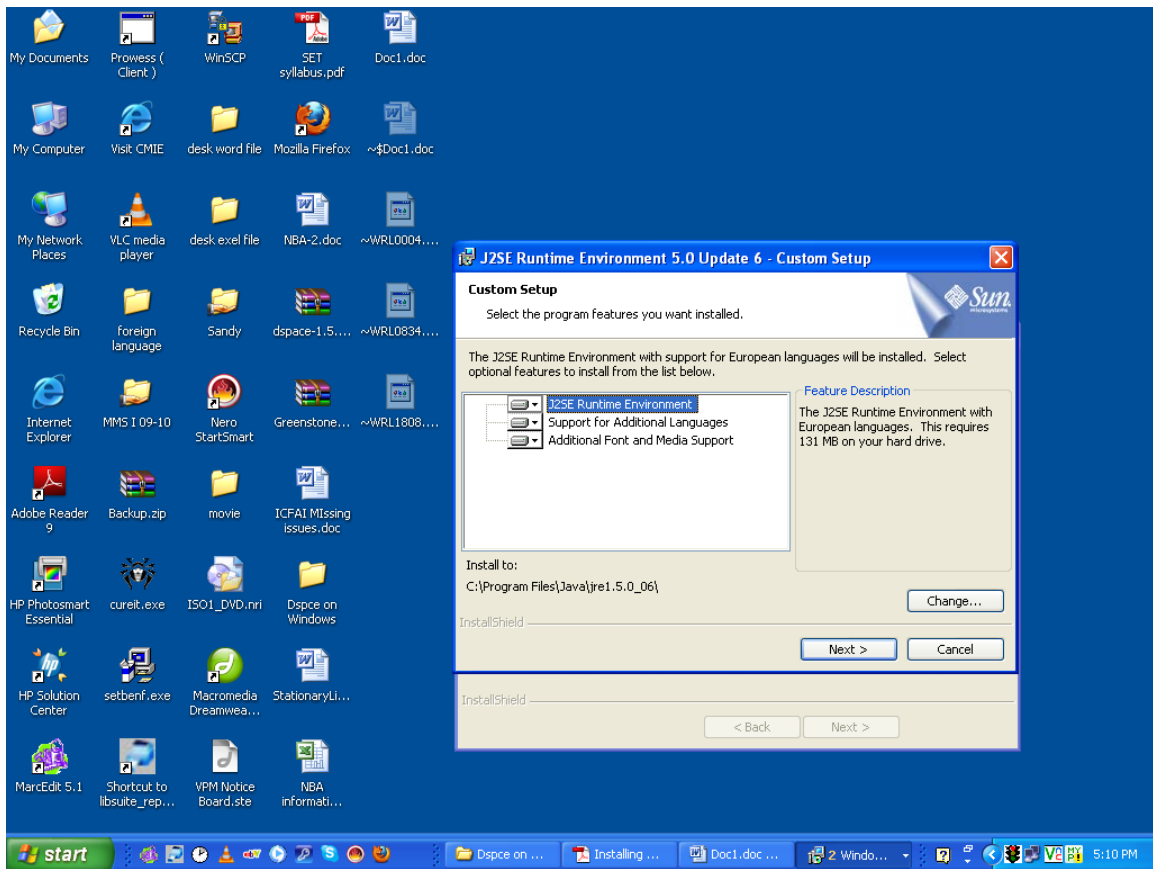
C:\Program Files\Java\jdk1.5.0_06\ (Check Path)

Click Next

Installing Java

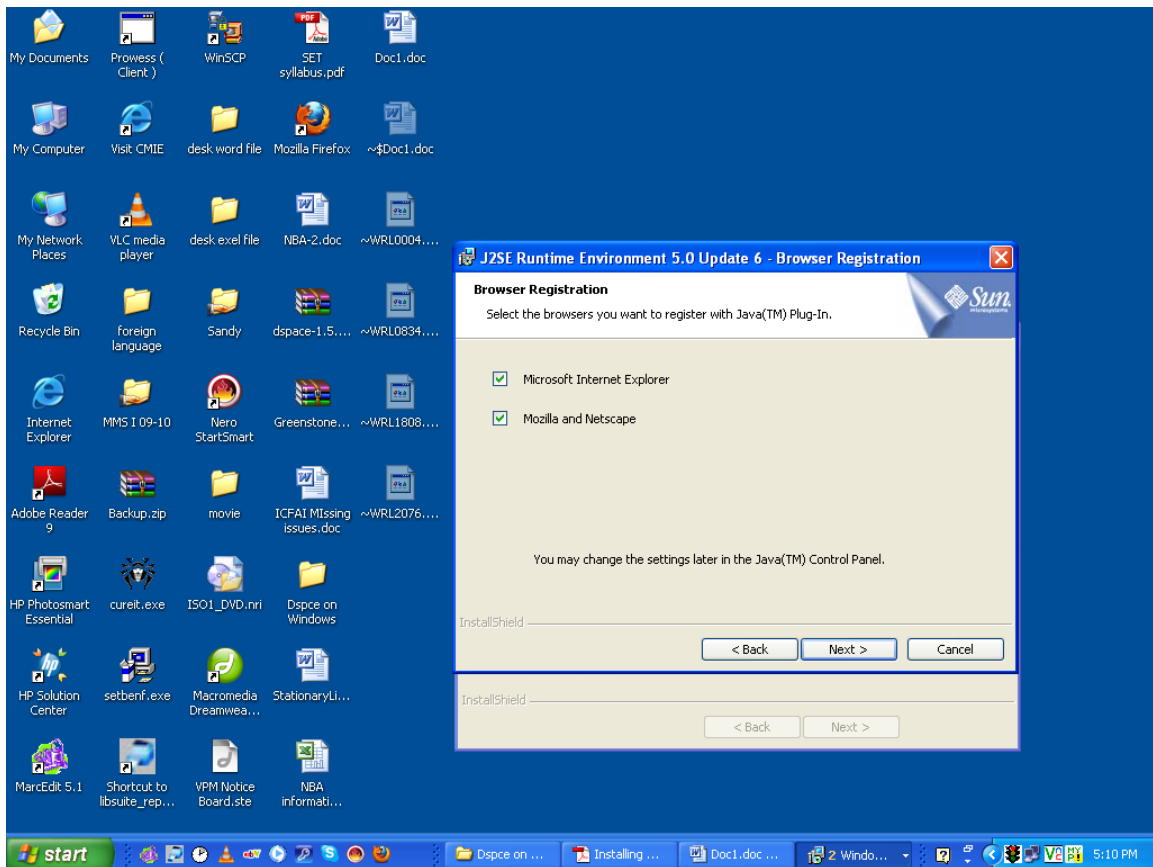






C:\Program Files\Java\jdk1.5.0_06\ (Check Path)

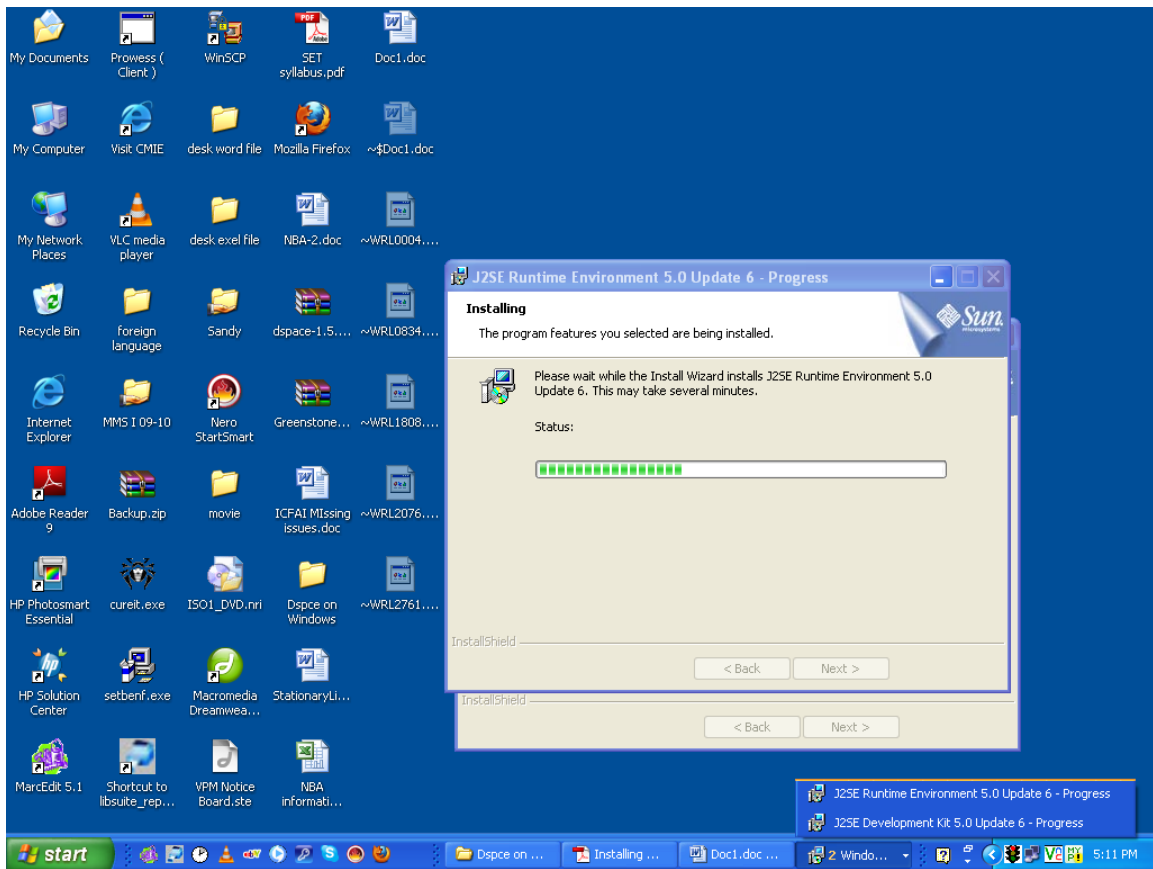
Click Next



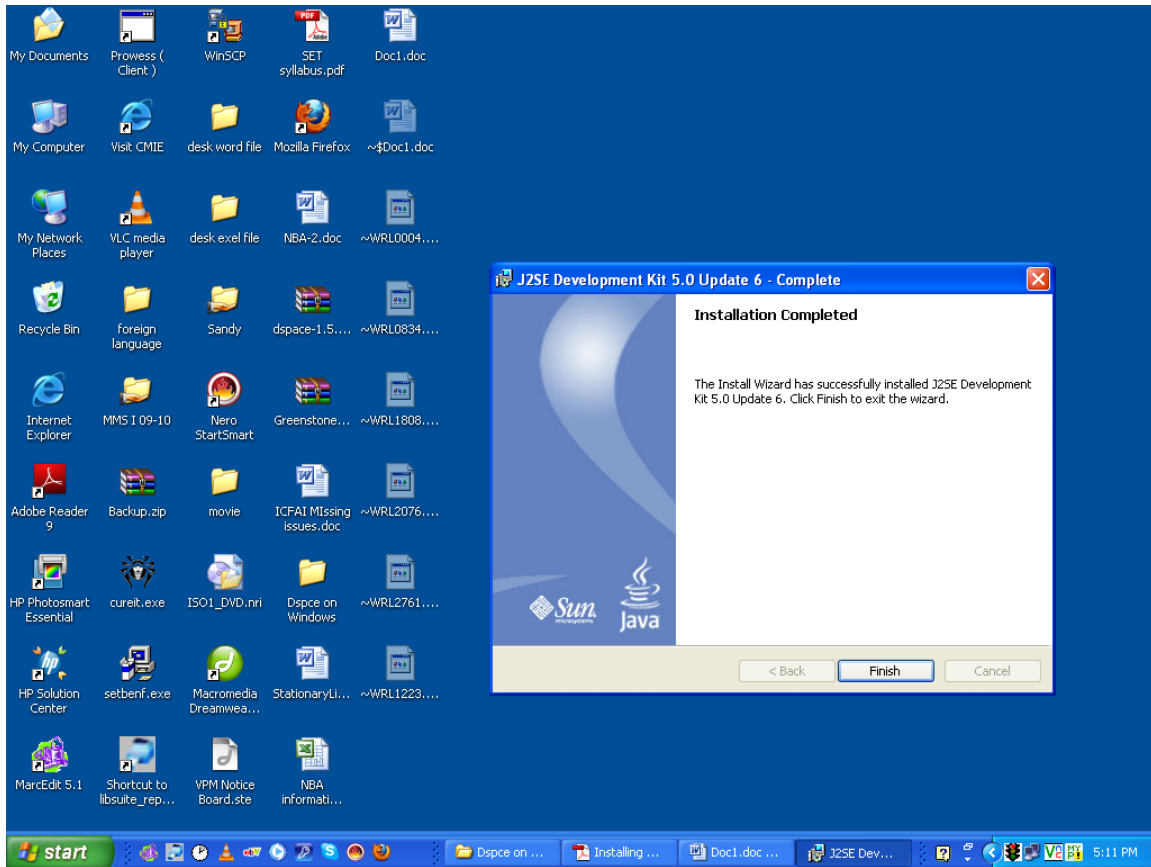
Browser Registration

Click Next

Installing



Installation Completed



Installing Apache Ant & Apache Maven

1. Copy folder and paste in C:\ or Desktop (Apache Ant)
2. Copy folder and paste in C:\ or Desktop (Apache Maven)

Setting up PATH for Java, Apache Ant, Apache Maven (System Variables)

1. Right click My Computer, click Properties, click Advanced, click Environment Variables, select "PATH" from System Variables, click edit

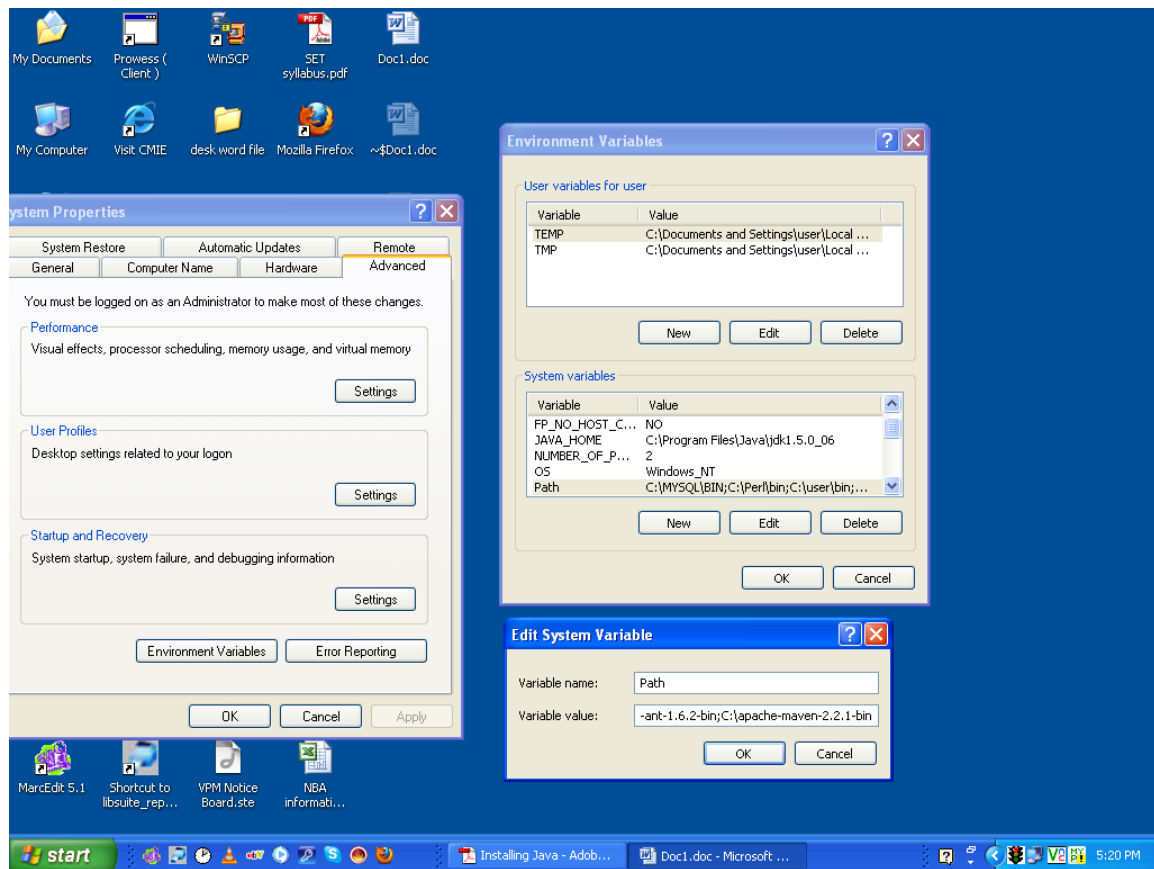
PATH for Java C:\Program Files\Java\jdk1.5.0_06\bin

PATH for Ant C:\apache-ant-1.6.2\bin

PATH for Maven C:\apache-maven-2.2.1\bin

2. Add the above PATH variables in the edit box as last item (With Semi-Colons after each PATH);

C:\Program Files\Java\jdk1.5.0_06\bin; C:\apache-ant-1.6.2\bin; C:\apache-maven-2.2.1\bin

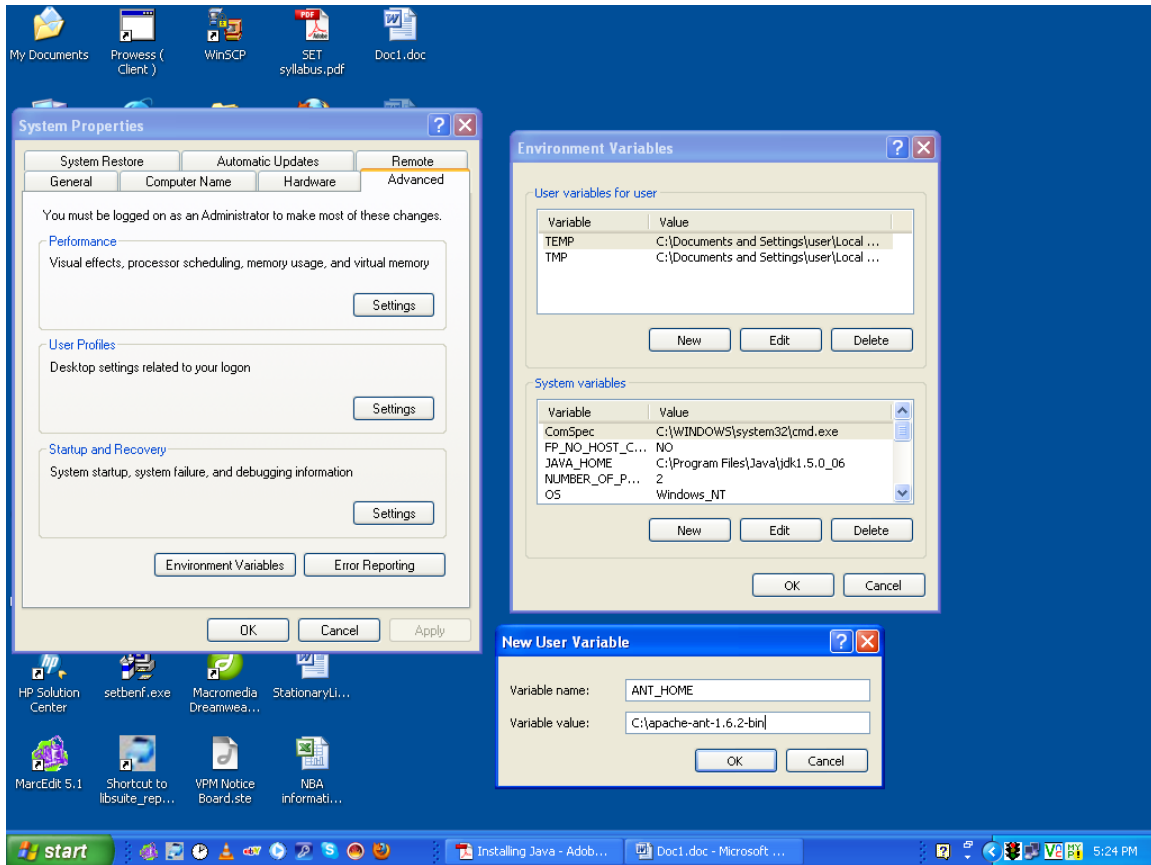


Setting up ANT_HOME & JAVA_HOME for Apache Ant and Java (User Variables)

1. Right click My Computer, click Properties, click Advanced, click Environment Variables, click “New” from User Variables for user and add the following and click OK

Variable name: ANT_HOME

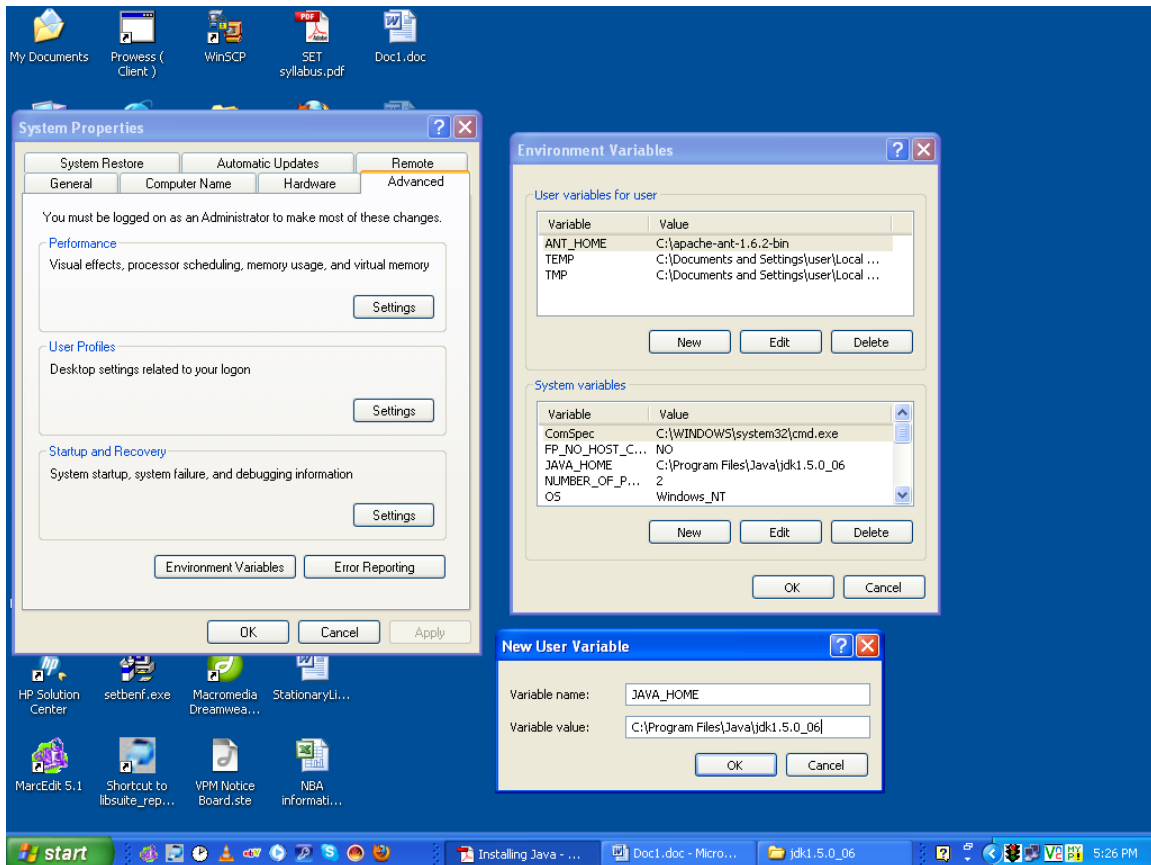
Variable value: C:\apache-ant-1.6.2



2. Right click My Computer, click Properties, click Advanced, click Environment Variables, click “New” from User Variables for user and add the following and click OK

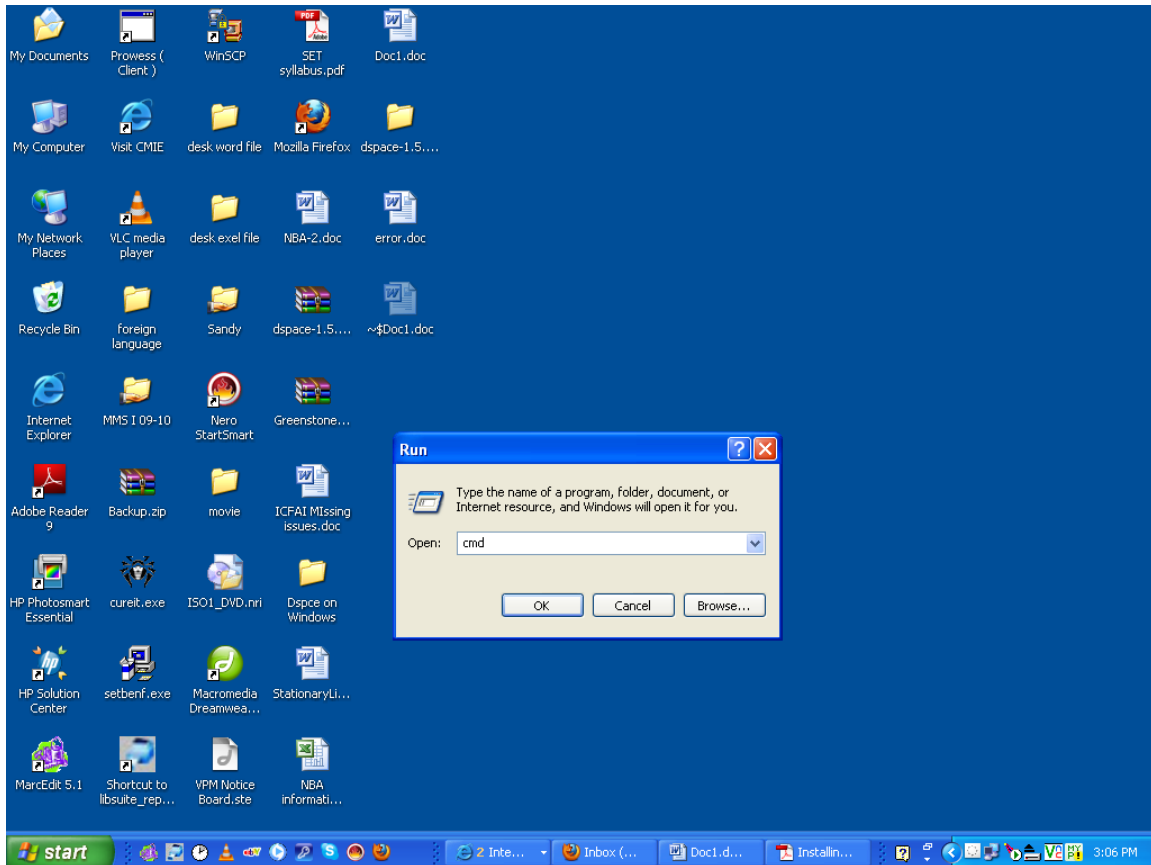
Variable name: JAVA_HOME

Variable value: C:\Program Files\Java\jdk1.5.0_06



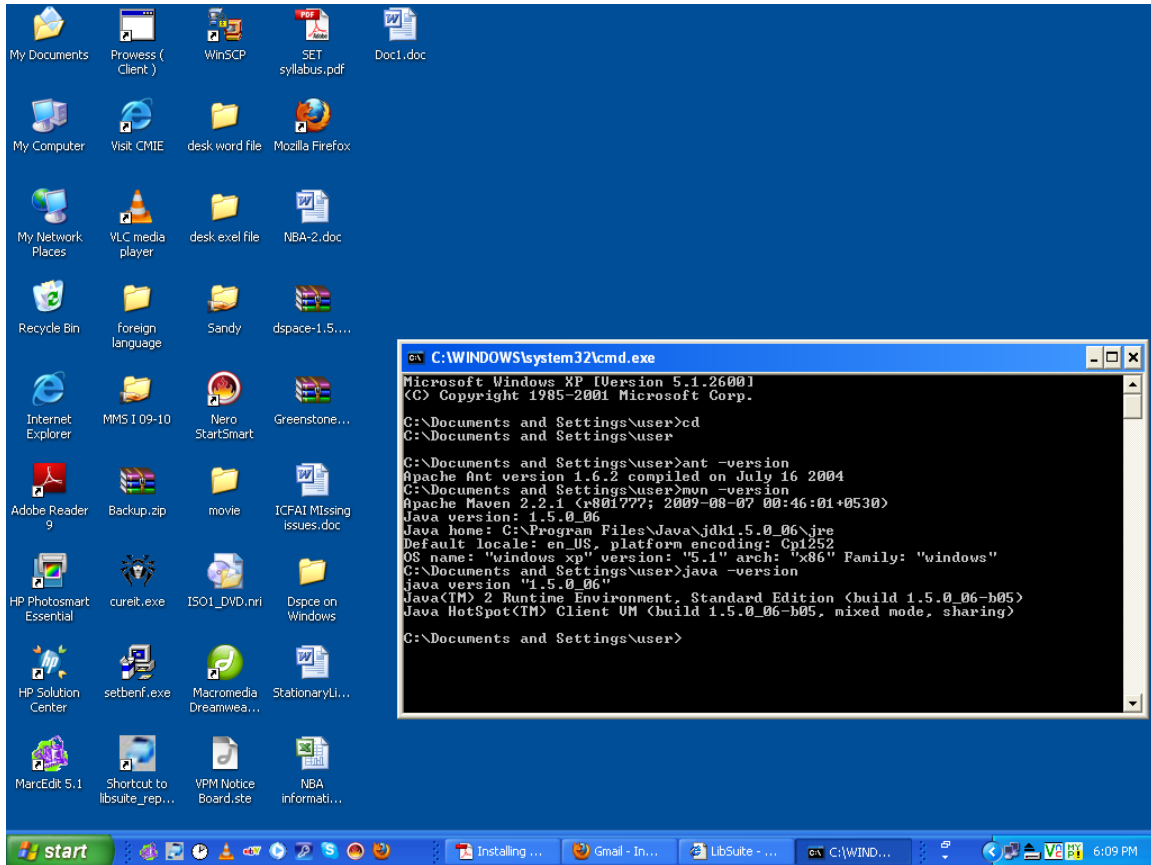
Checking the PATH and HOME variables

1. Go to command prompt (Click Start, click Run, type cmd)



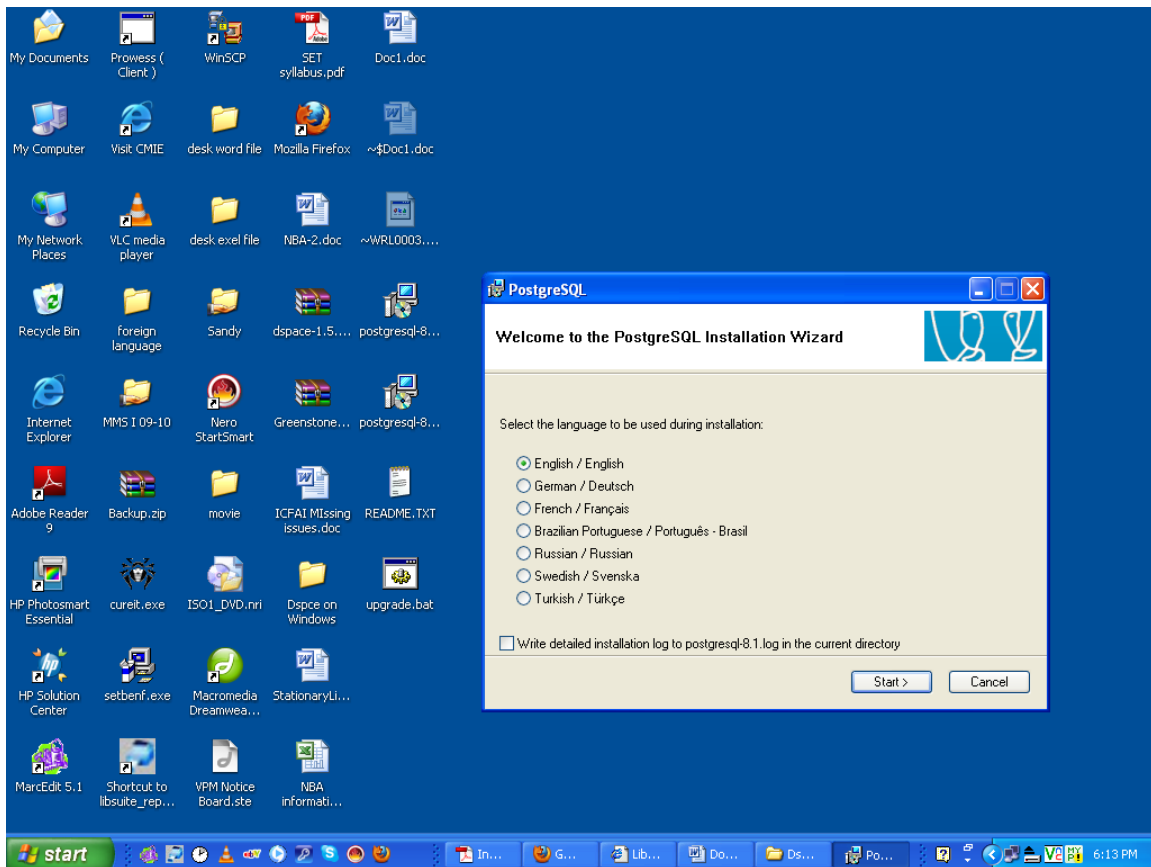
Click Ok

2. In the command line type `mvn -version` (see the version displayed)
3. type `ant -version` (see the version displayed)
4. type `java -version` (see the version displayed)

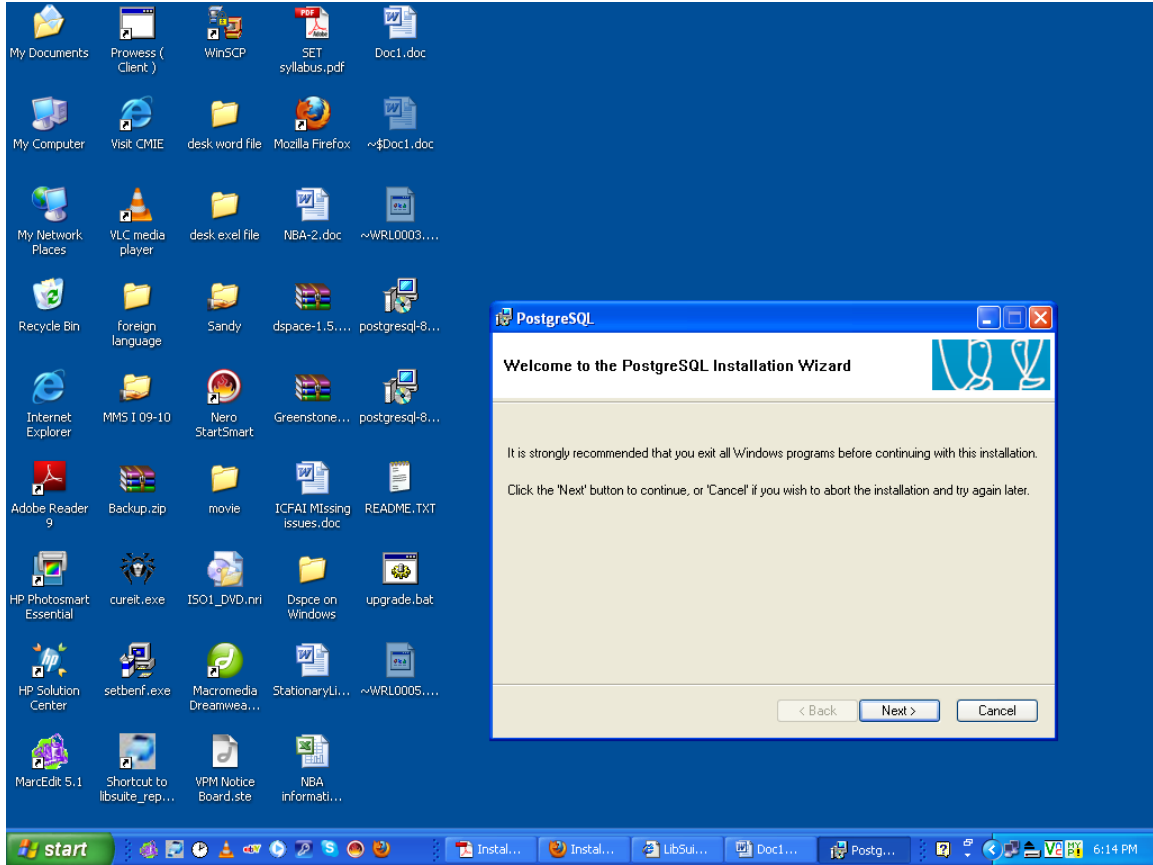


Installing PostgreSQL and Creating dspace user

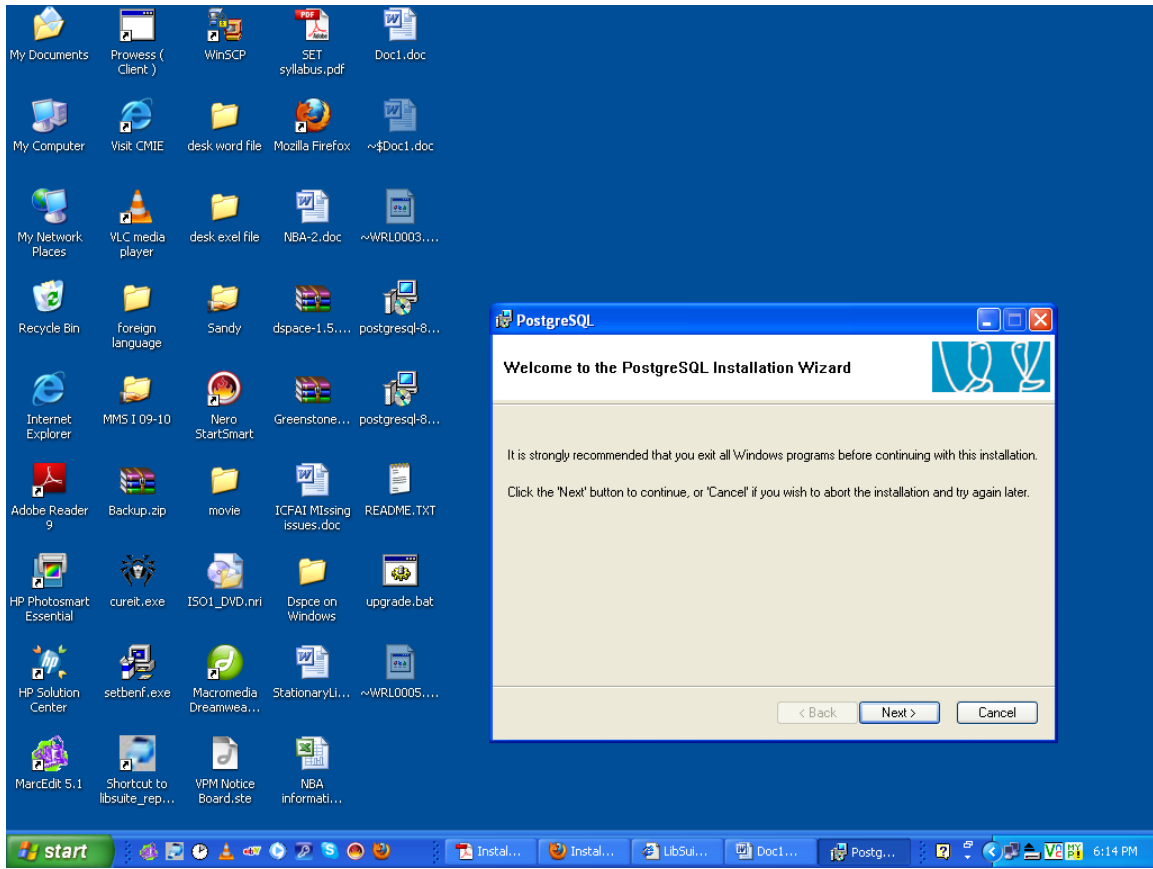
Install PostgreSQL



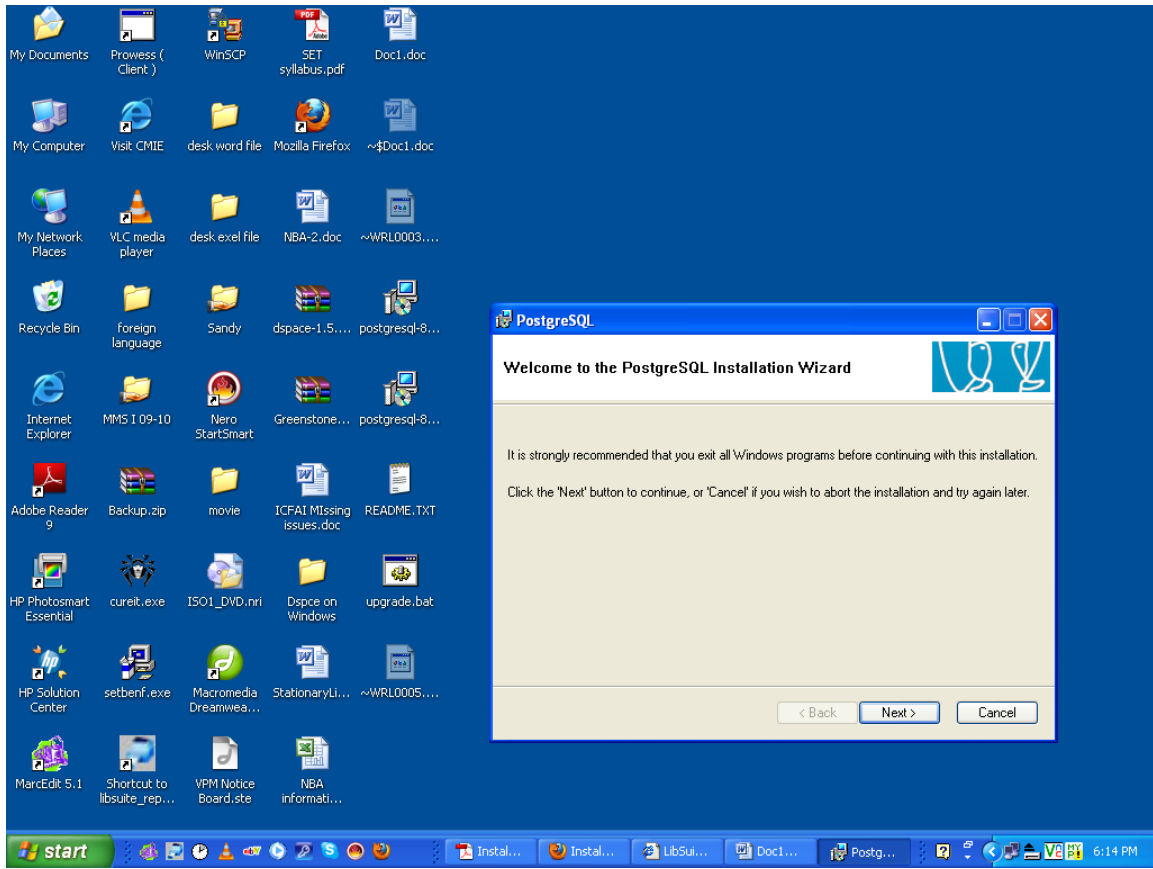
Click Next



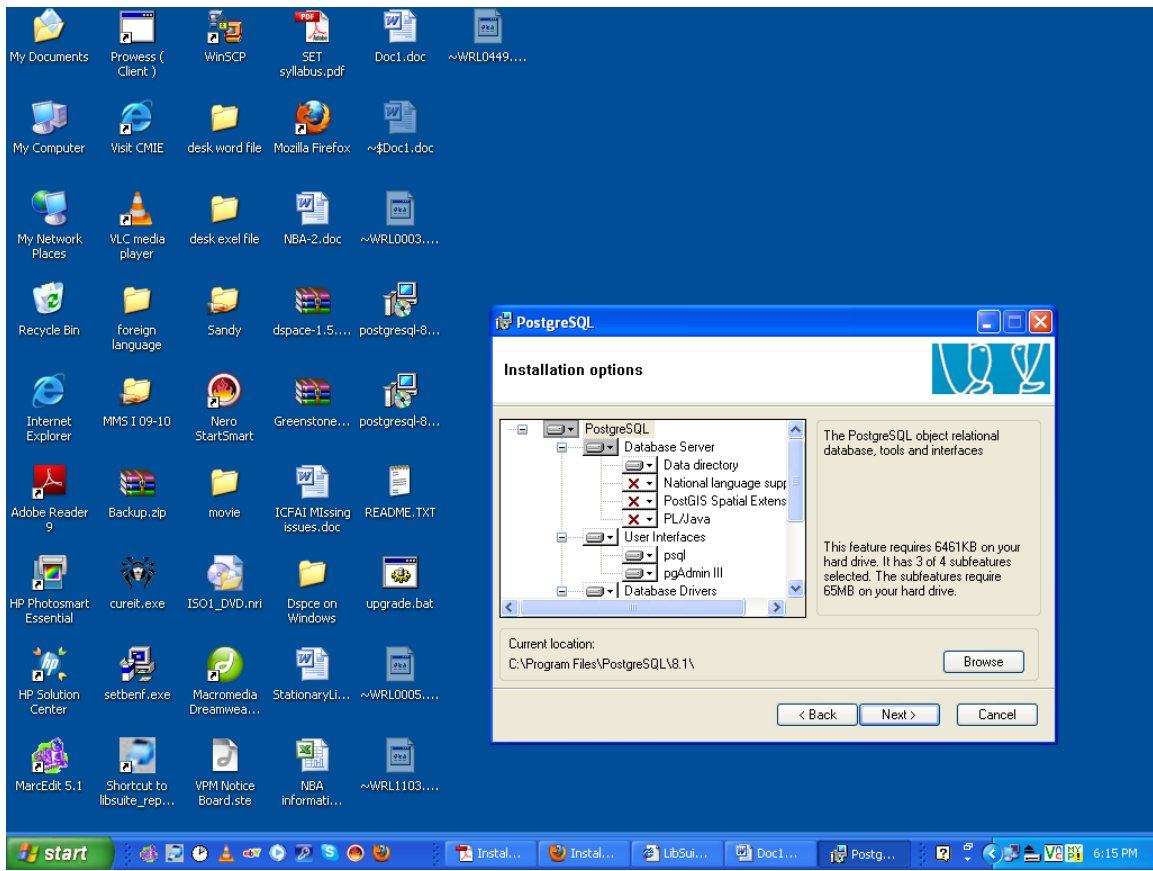
Click Next



Click Next

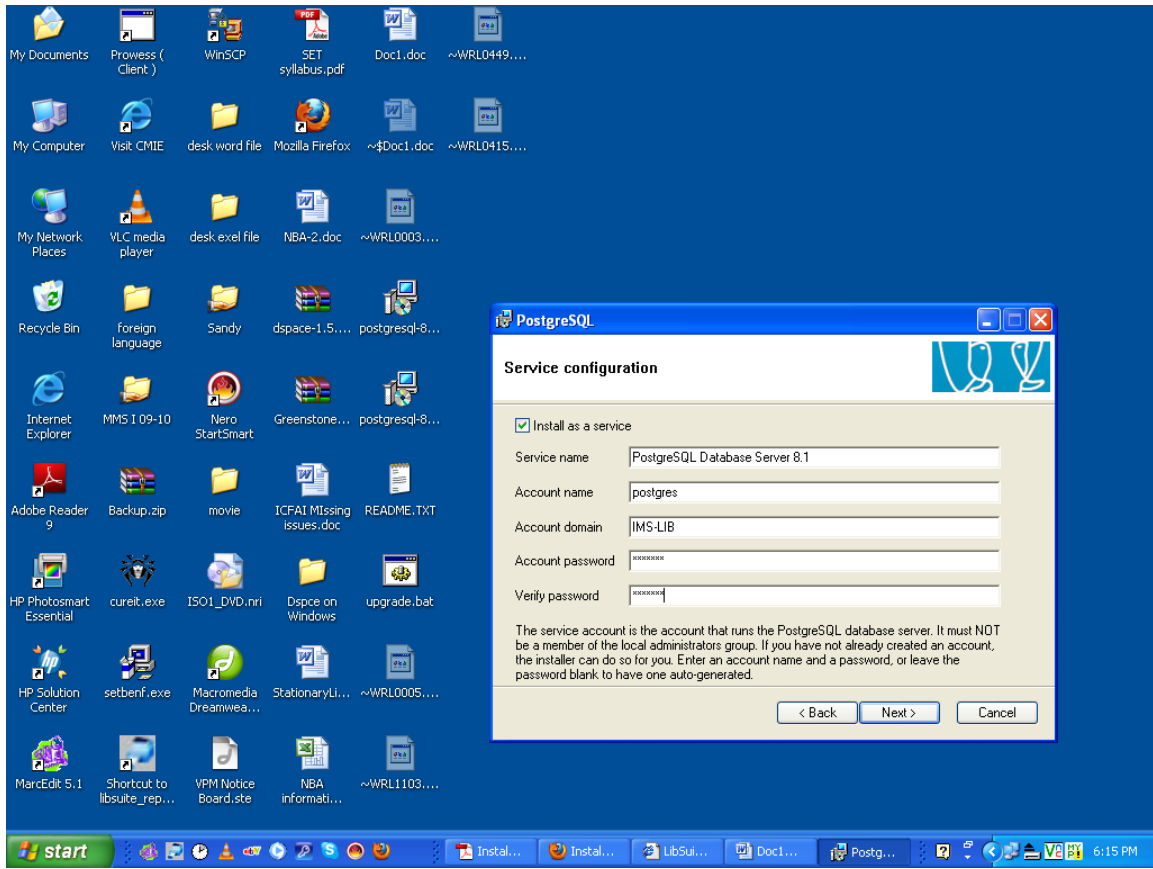


Click Next



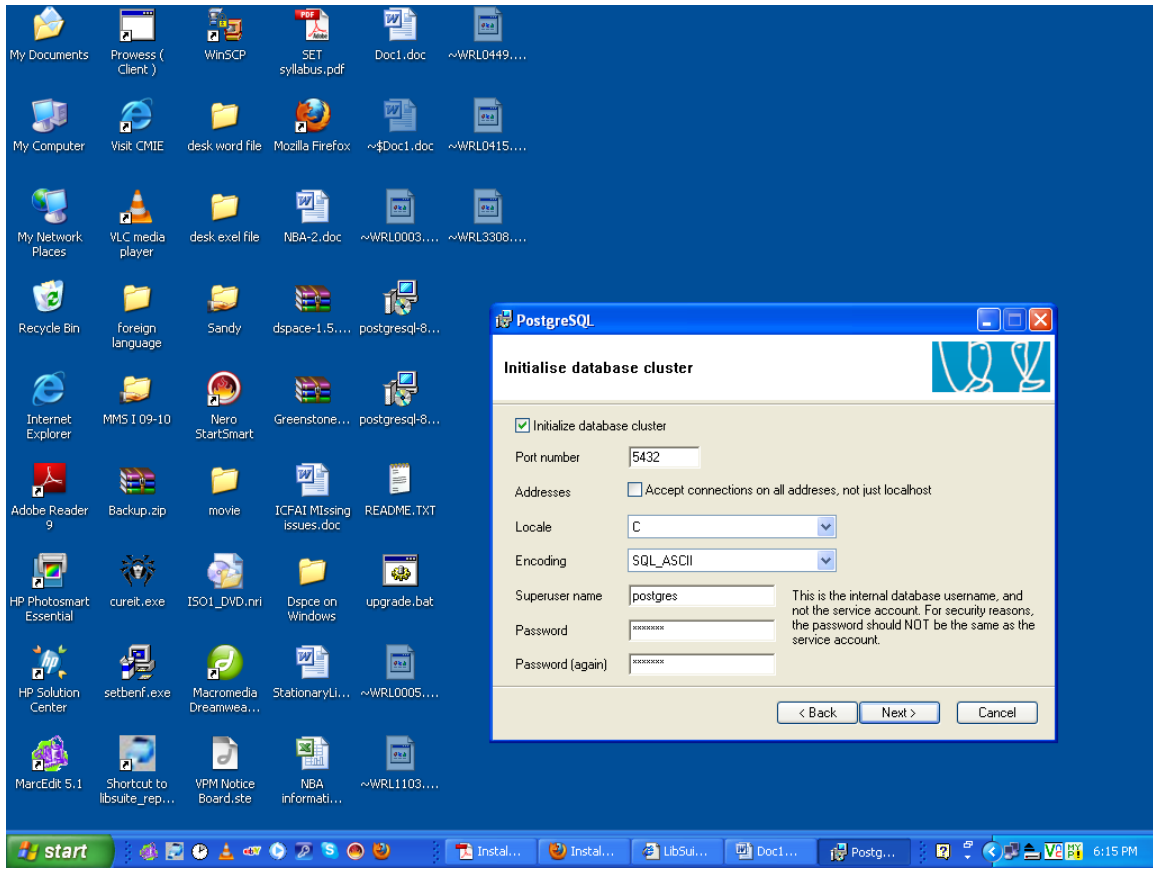
C:\Program Files\PostgreSQL\8.1 (Check Path)

Click Next



**Here Type Account Password (eg. library)
Verify Password (eg. library)**

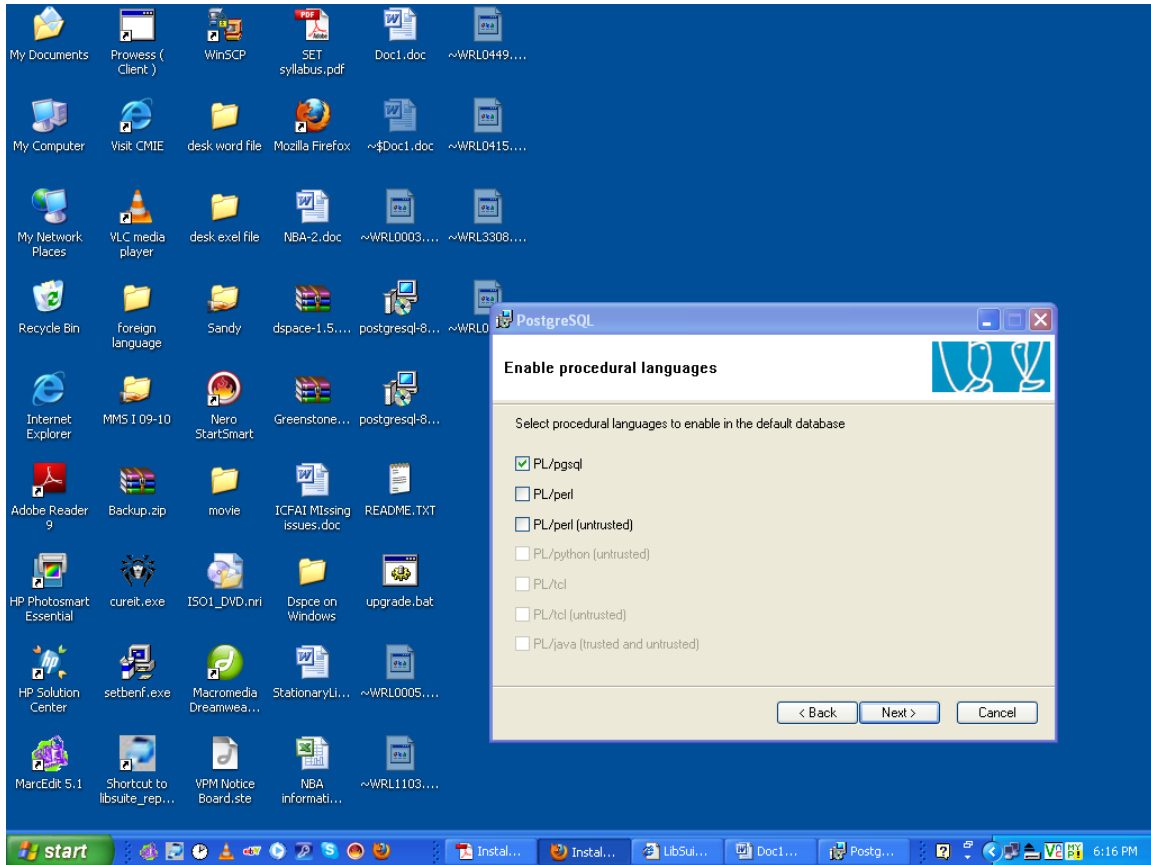
Click Next



Password (eg. library)
Password (again) (eg. library)

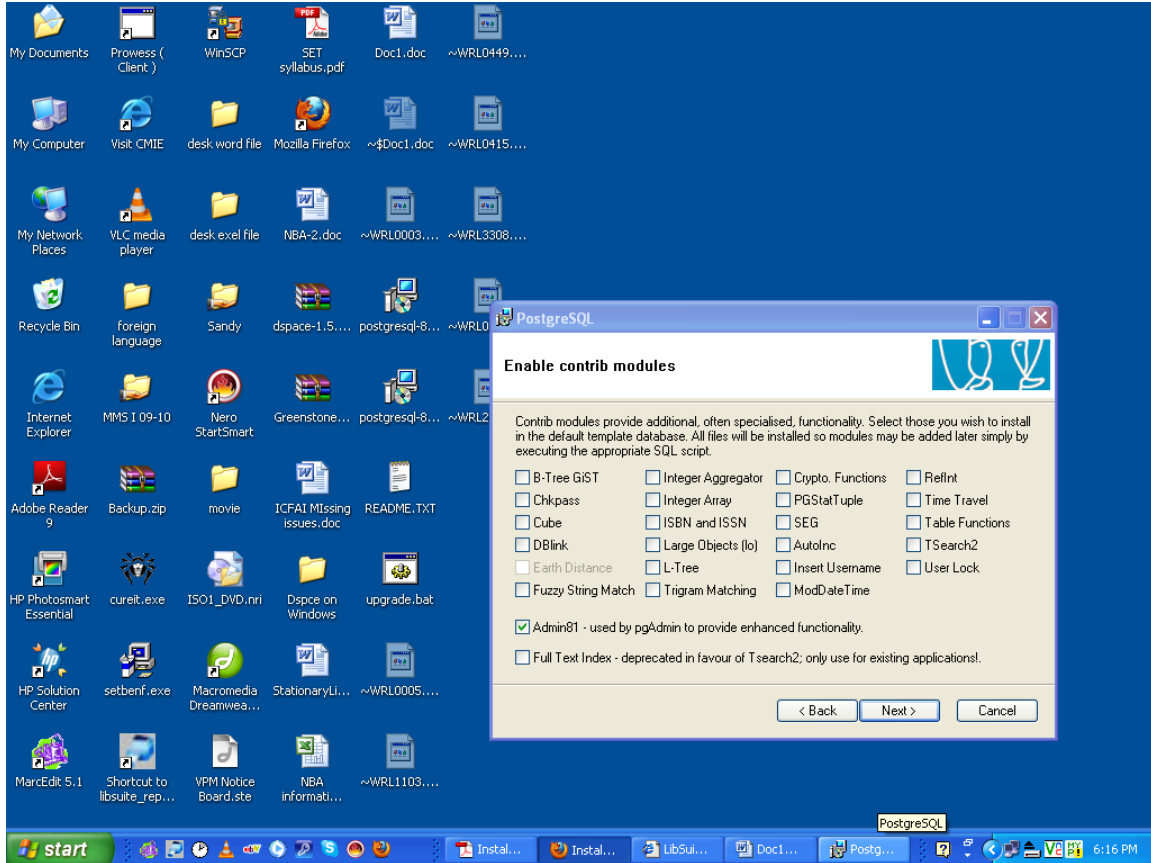
Click Next

Enable Procedural languages



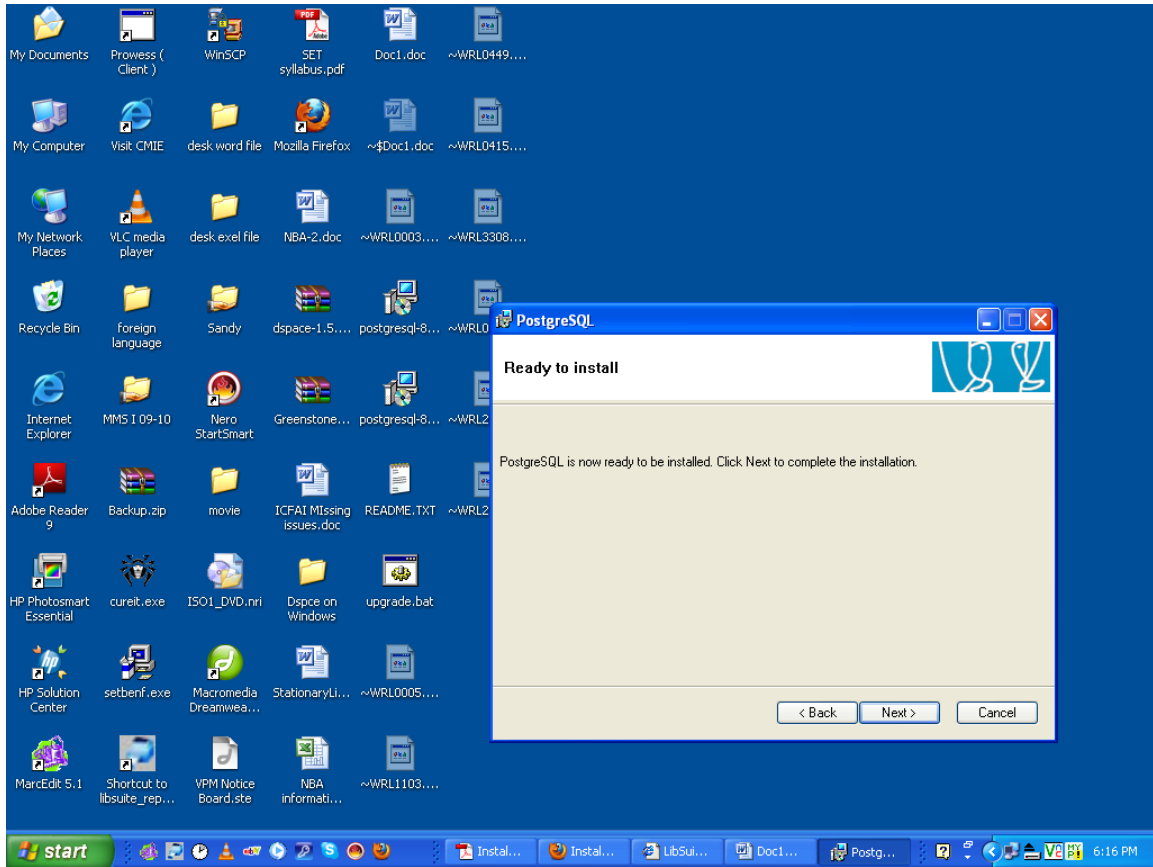
Click Next

Enable Contrib Modules



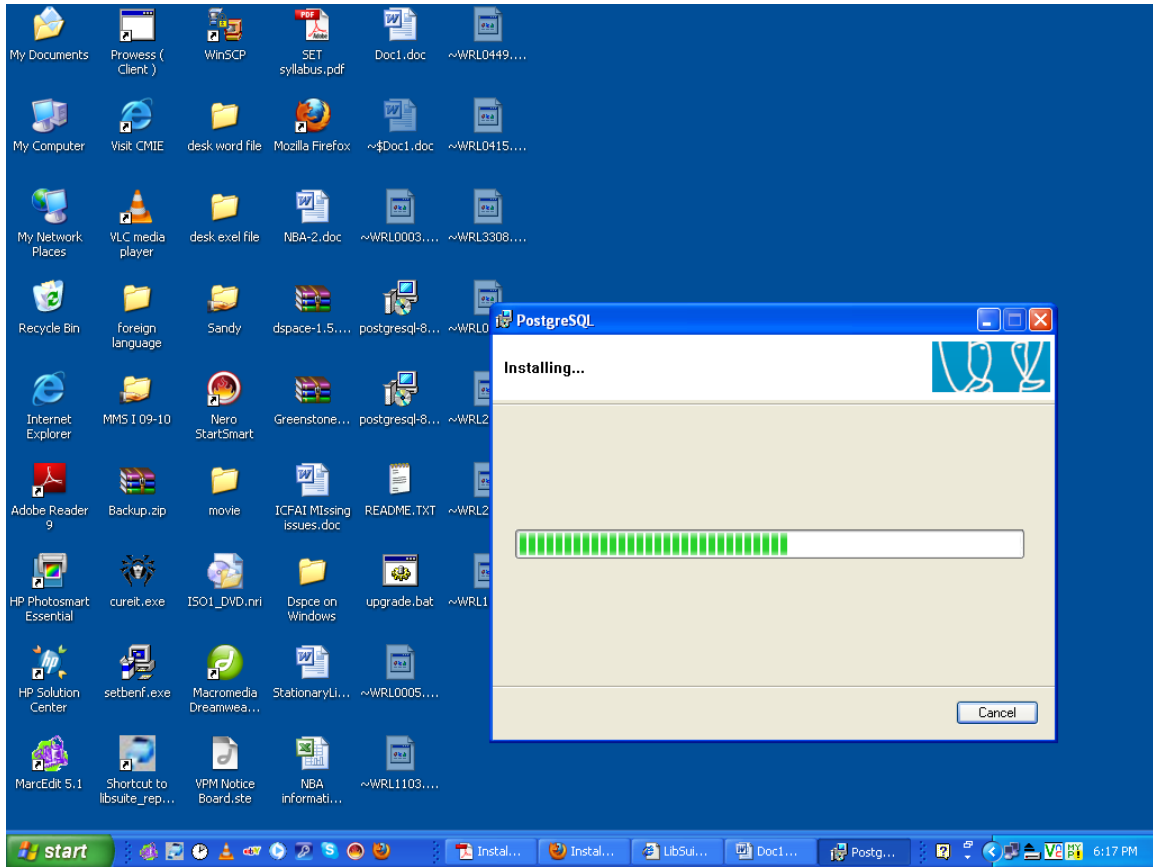
Click Next

Ready to Install

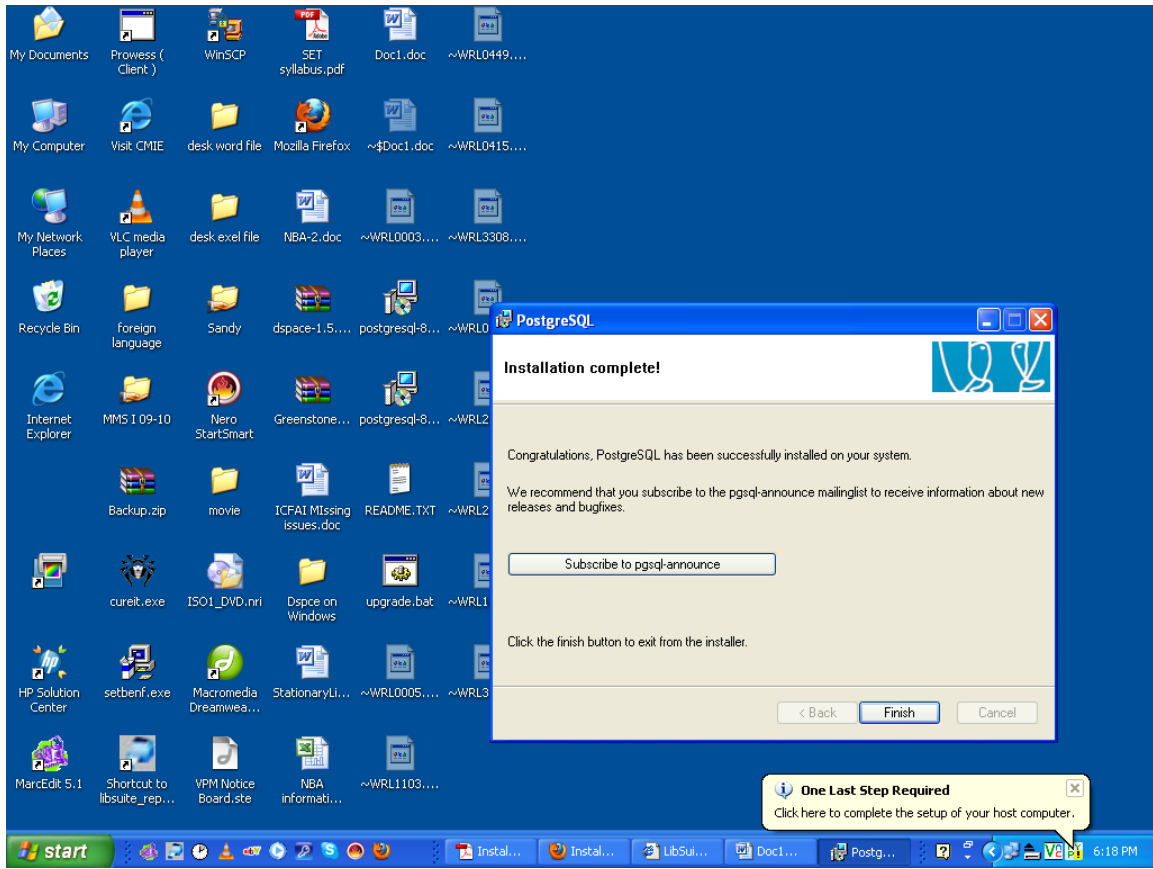


Click Next

Installing

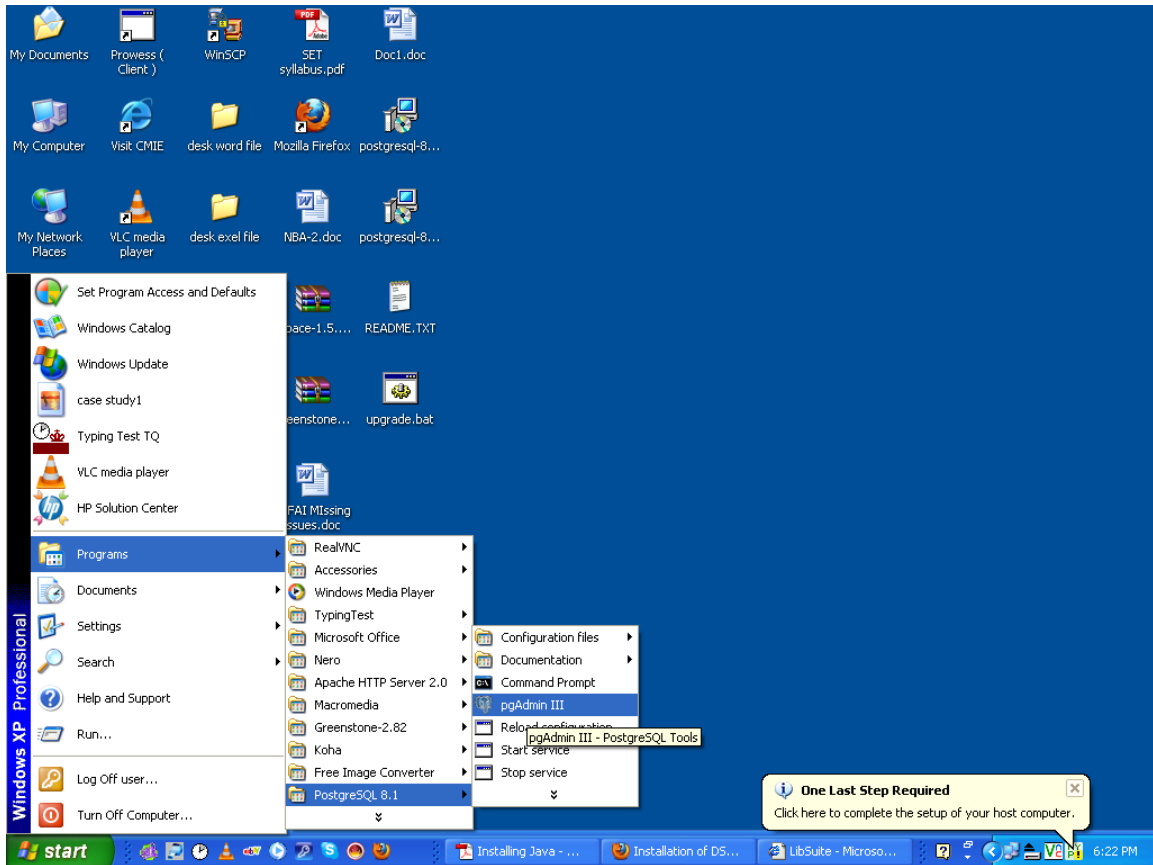


Click Next

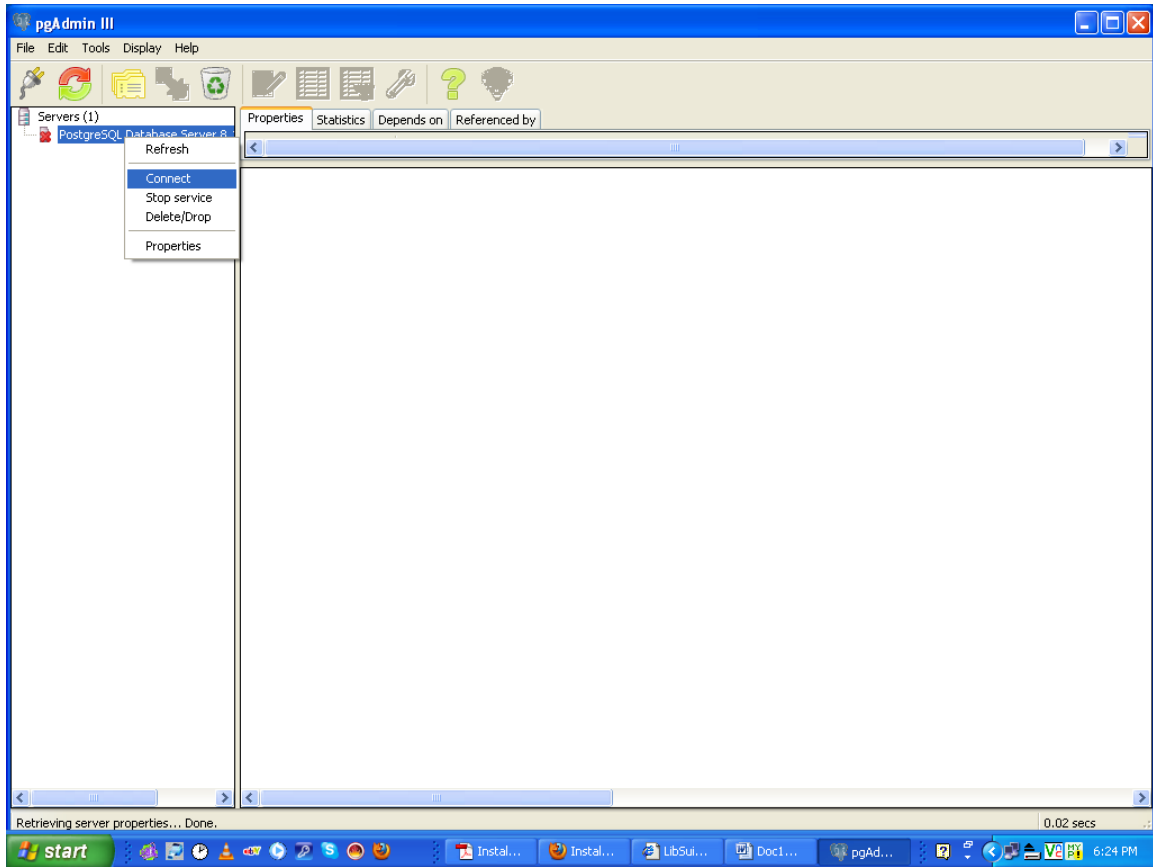


Finish

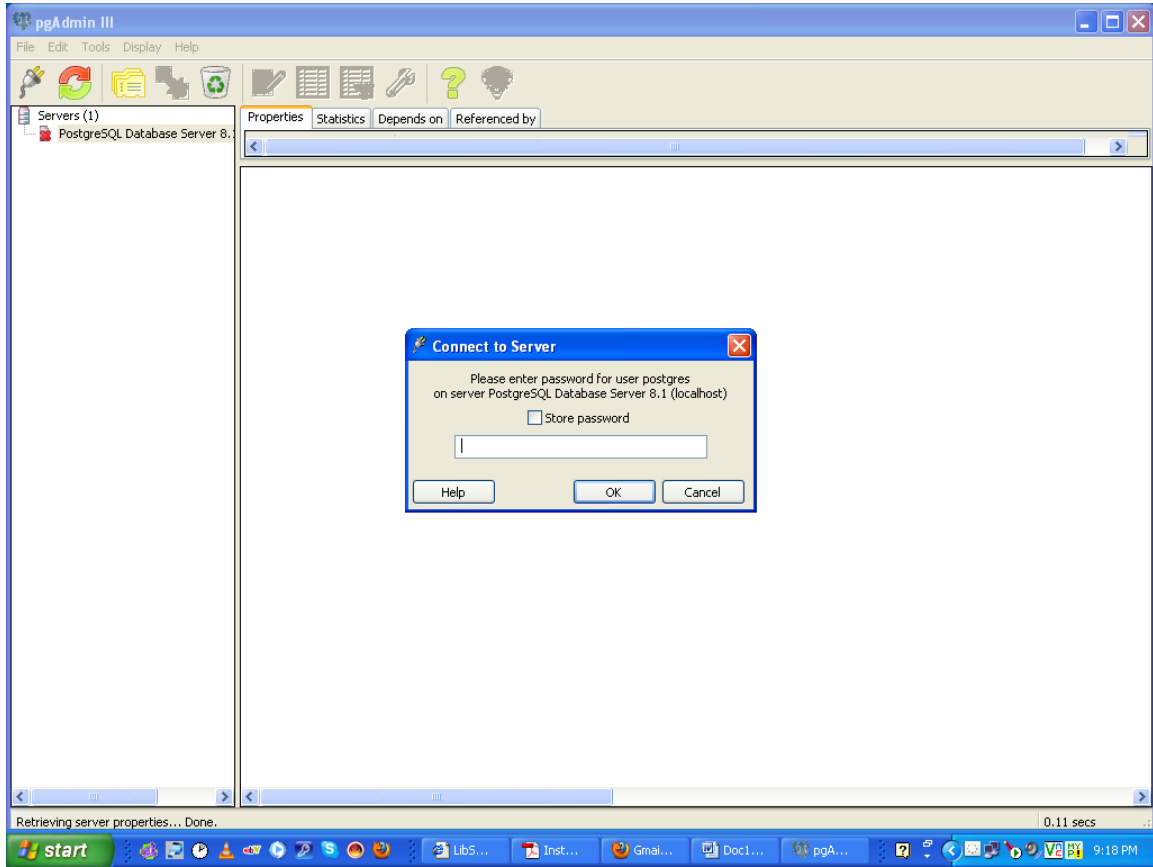
Start pgAdminIII



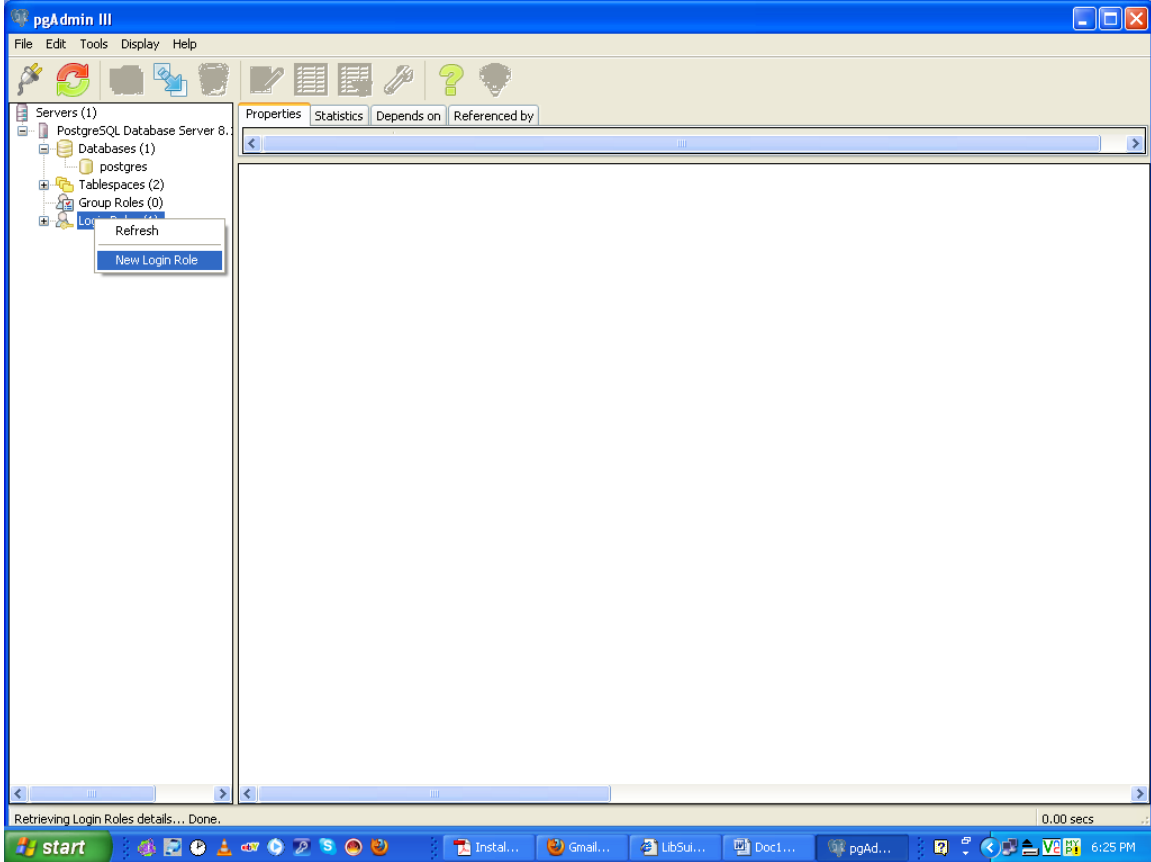
Connect to the database by right clicking PostgreSQL 8.3 (localhost : 5432) and clicking Connect.

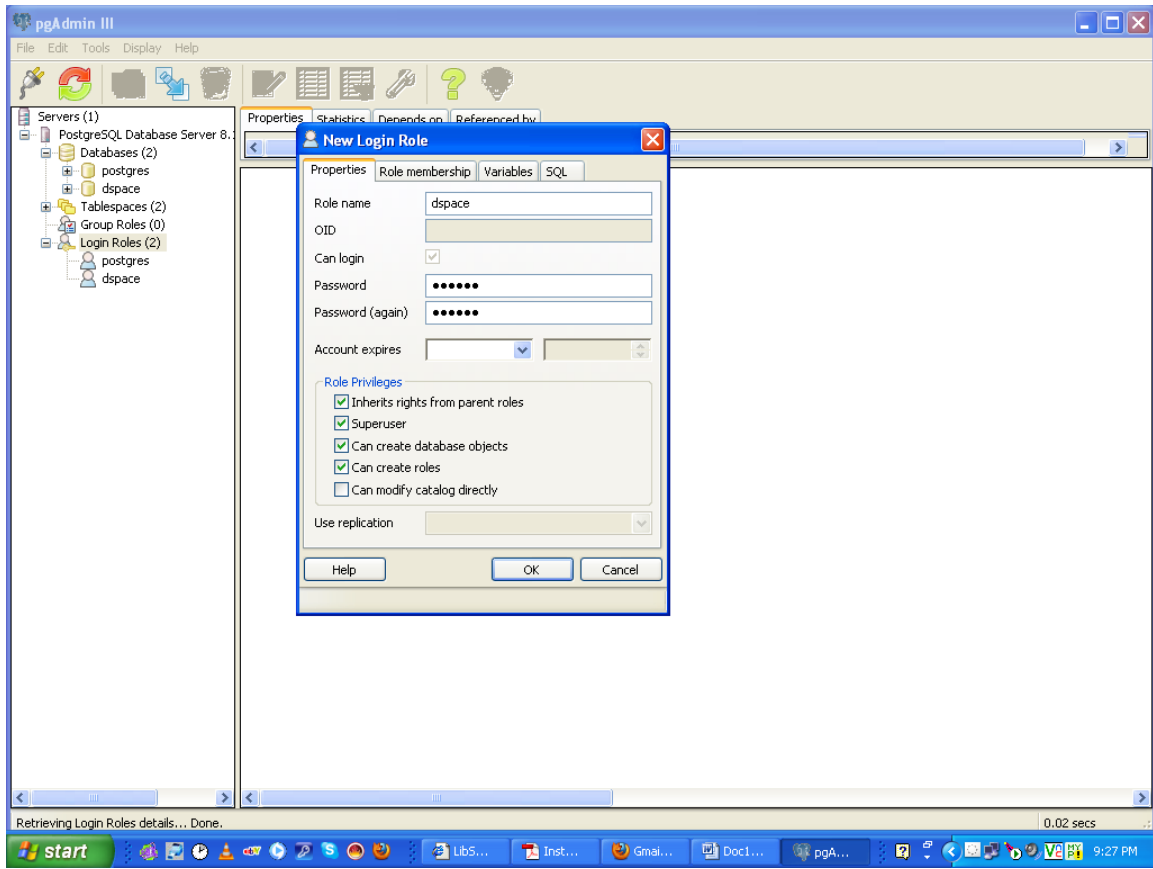


Type Here Password of PostgreSQL Installation (eg. library)



Add Login Role for “dspace” and Create database “dspace”

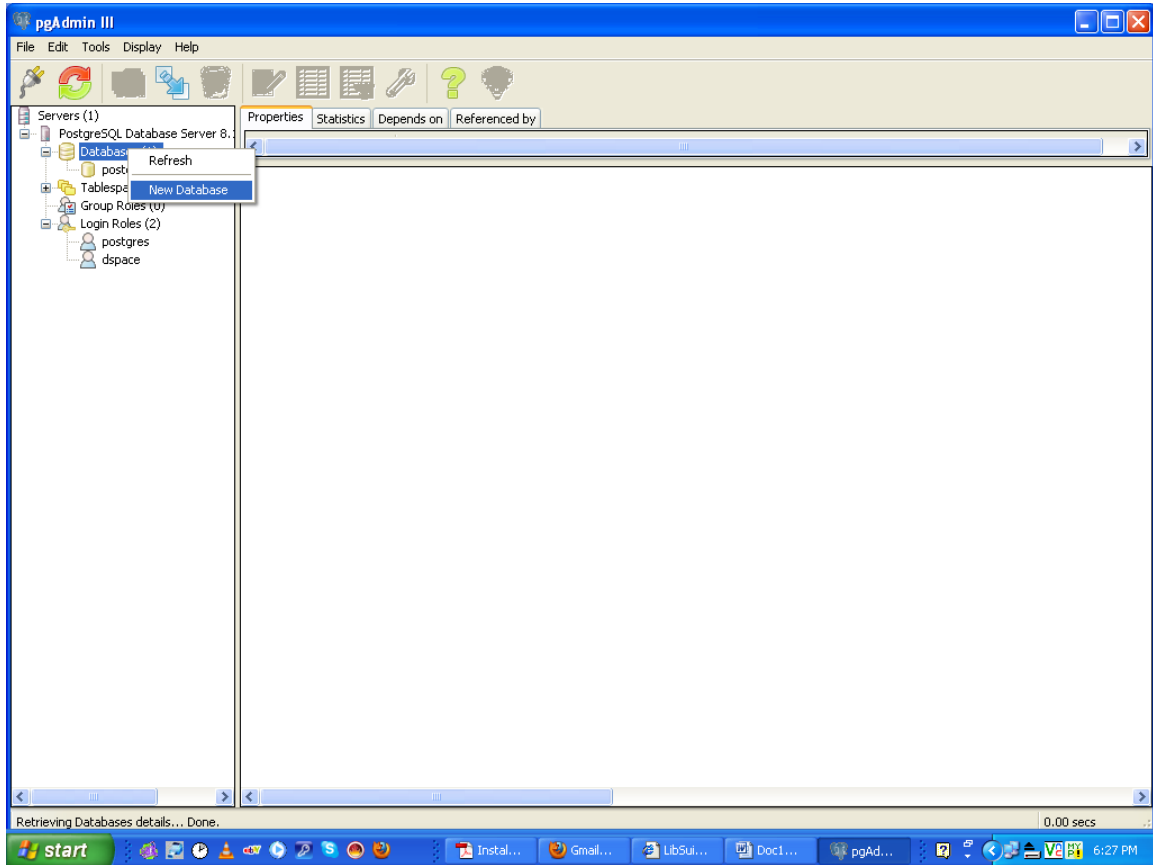


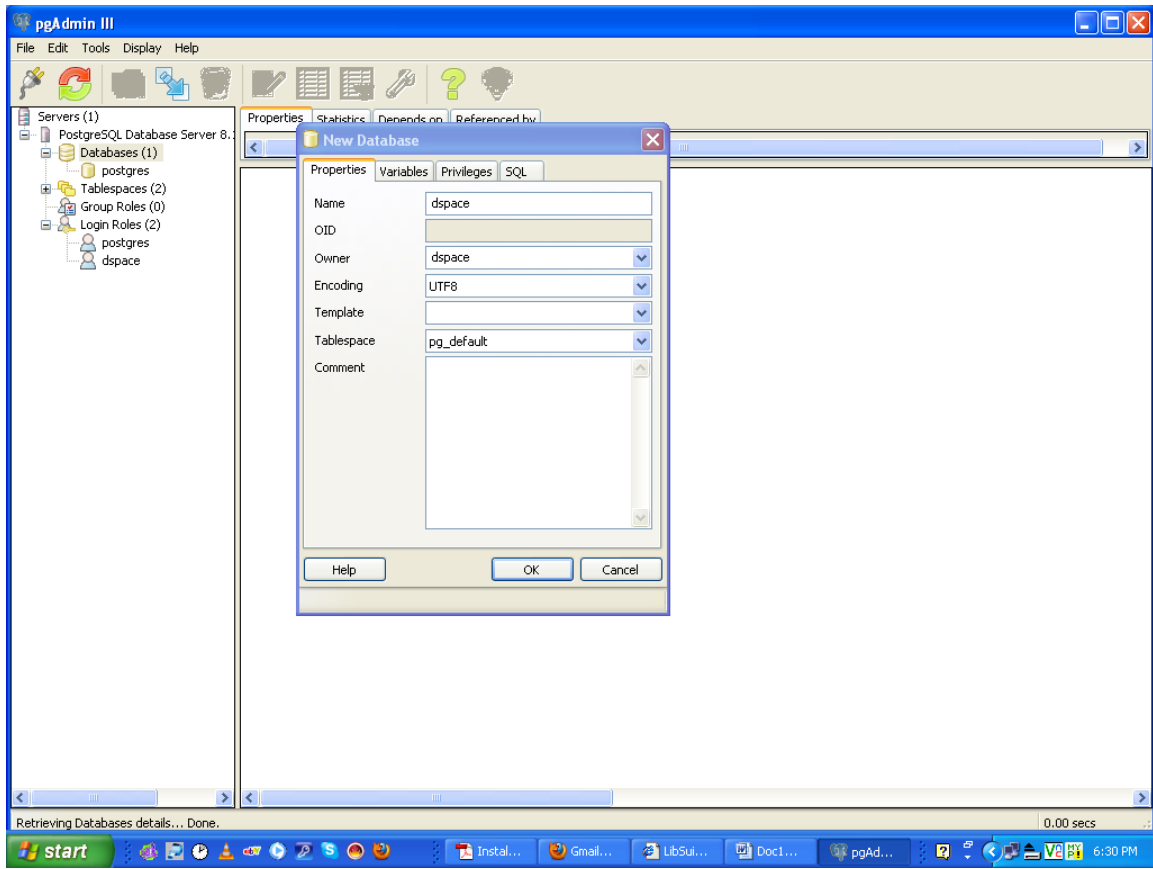


**Create Login role (dspace)
Provide password as “dspace”**

Remember to click of Role Privileges

Creating database





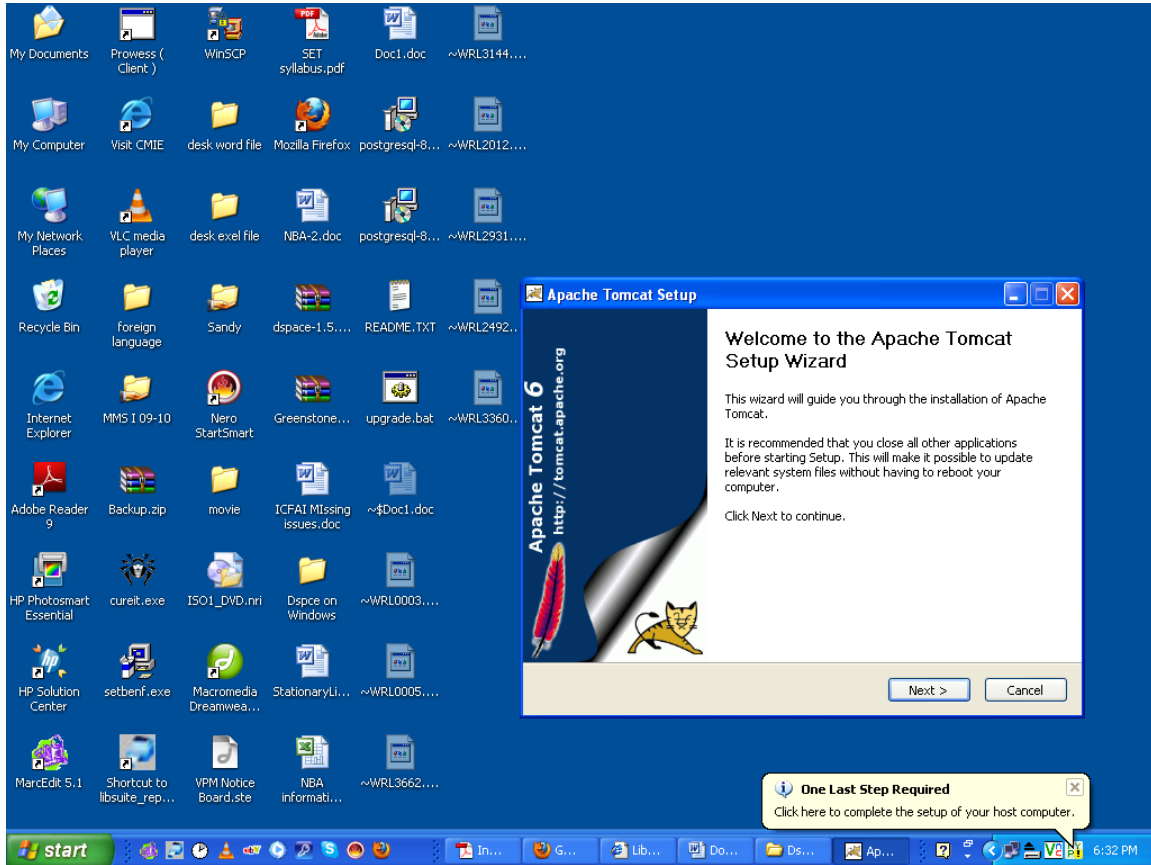
Create database by giving Name as dspace “dspace”

Owner “dspace”

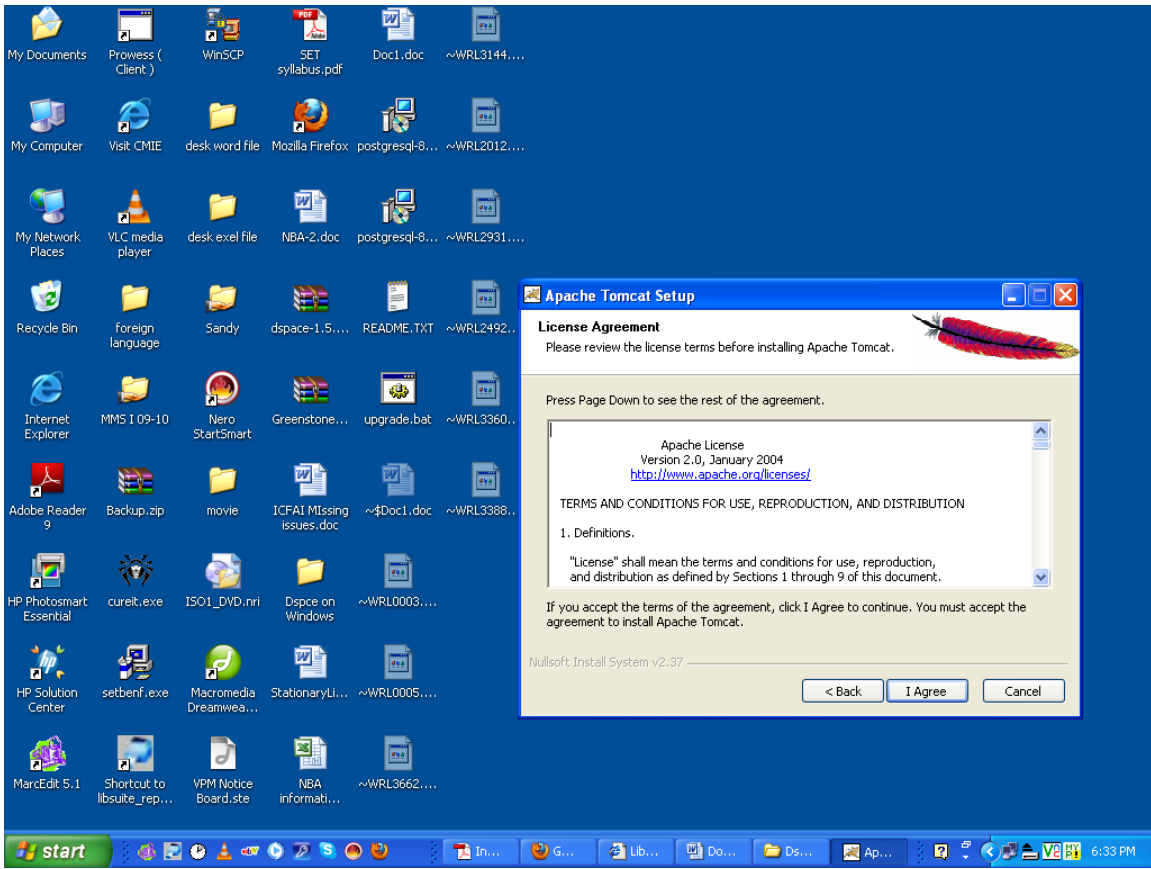
Encoding must be selected as UTF 8

Installing Apache Tomcat

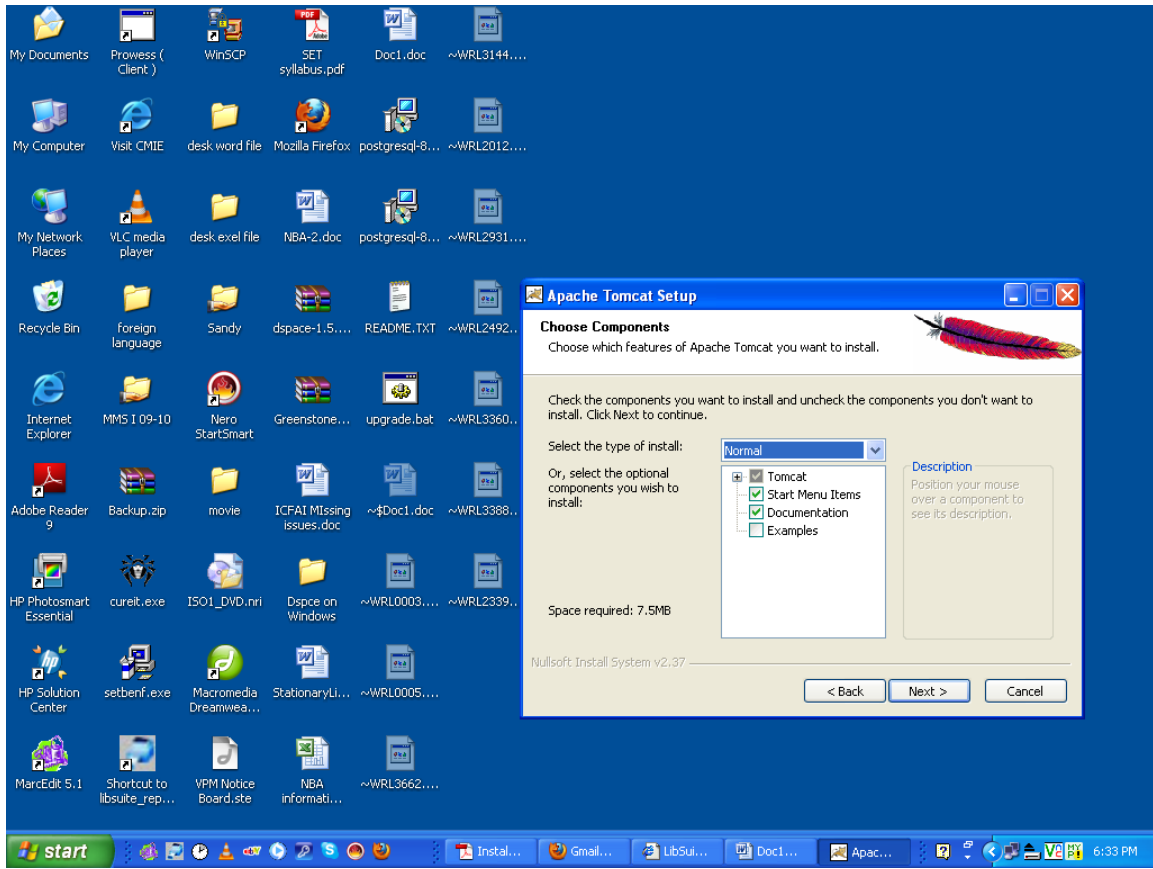
Double click on Setup File to install tomcat



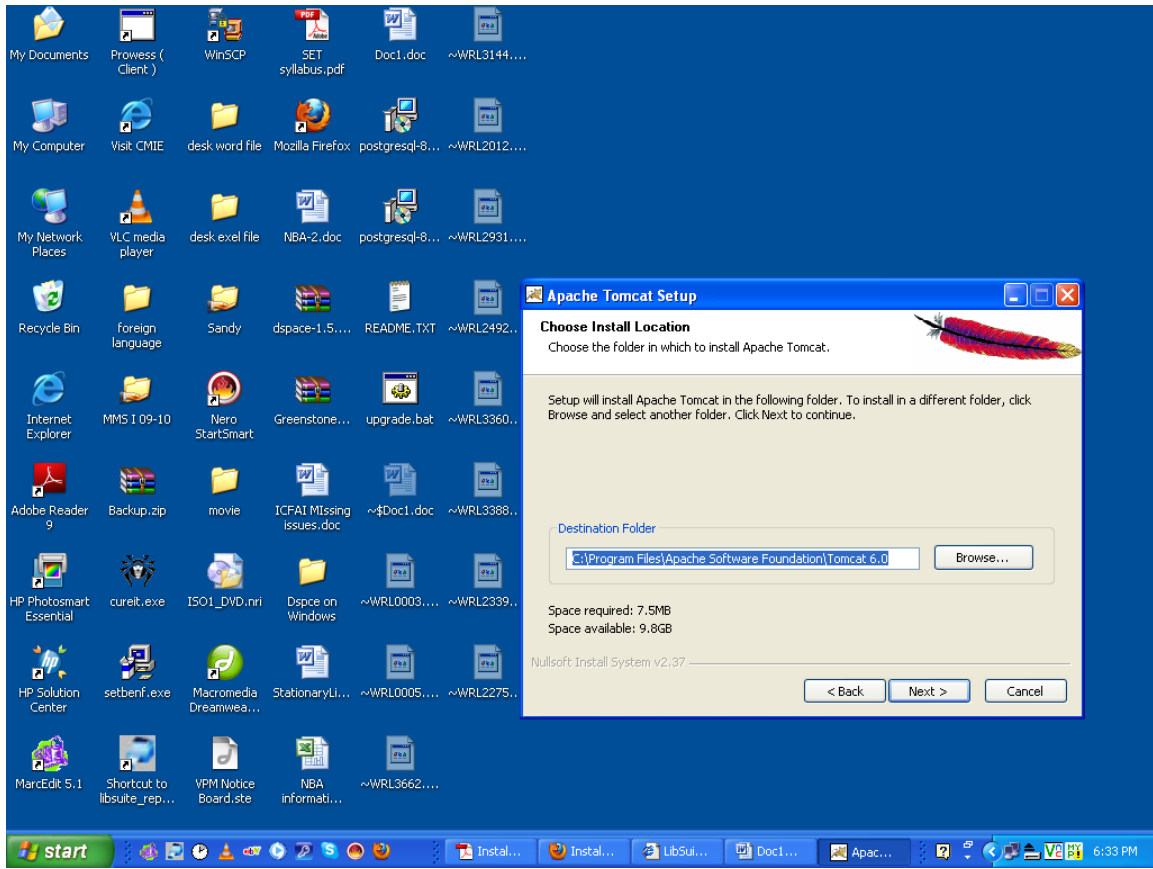
Click Next



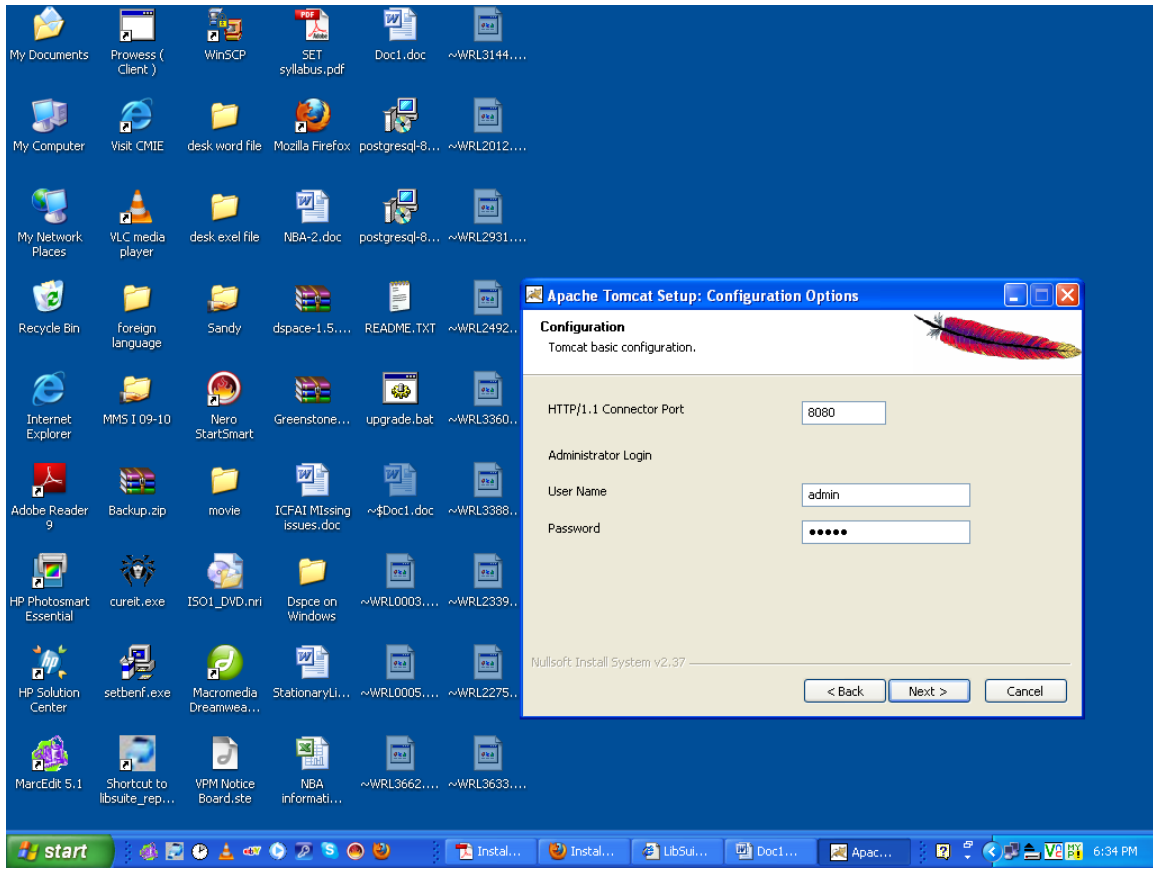
Click Next



Click Next

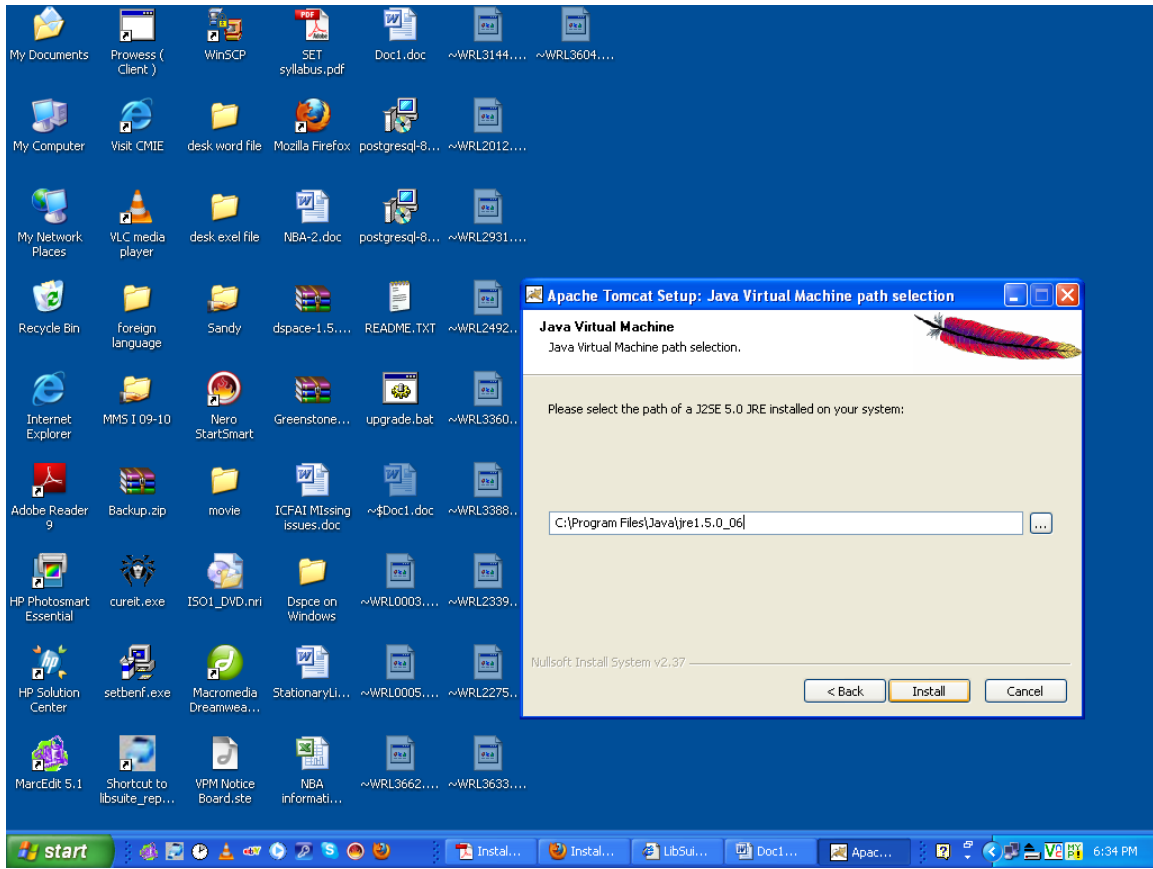


Click Next



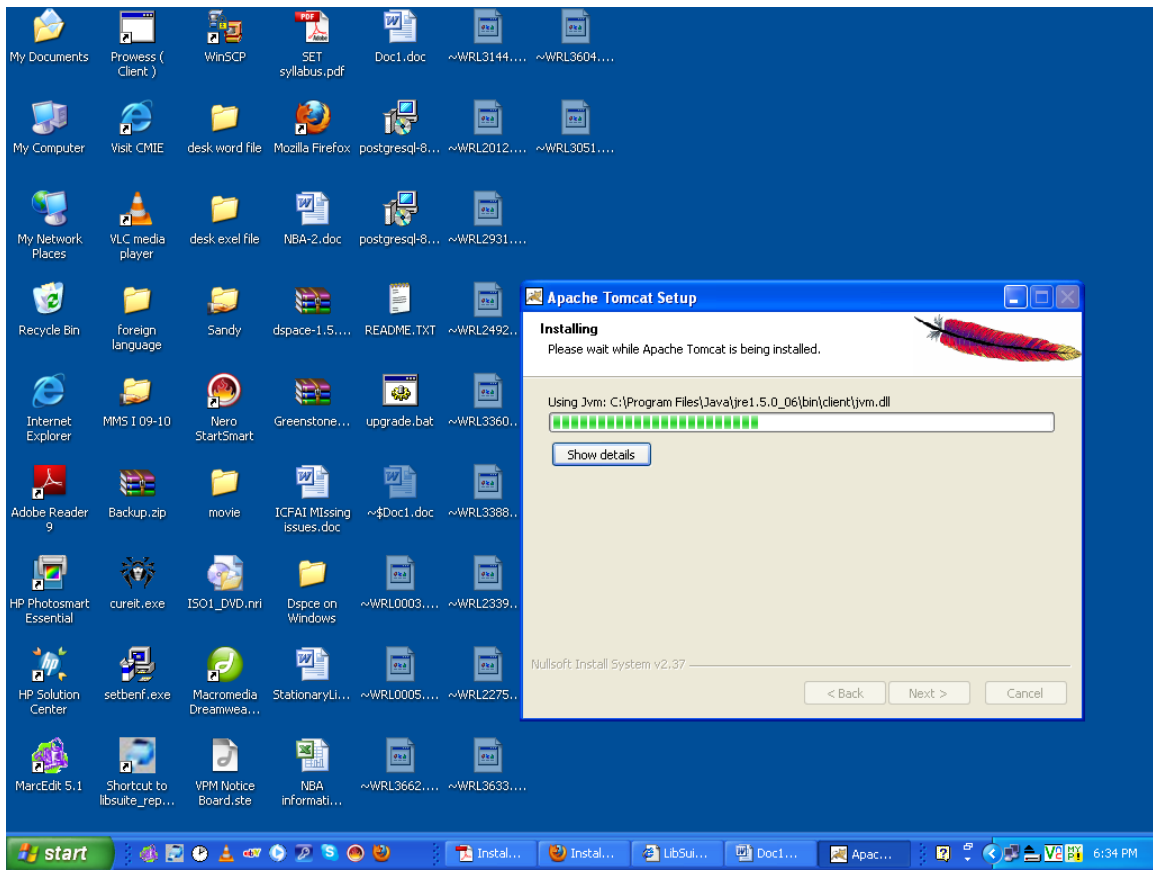
Type Here Password (eg. admin)

Click Next

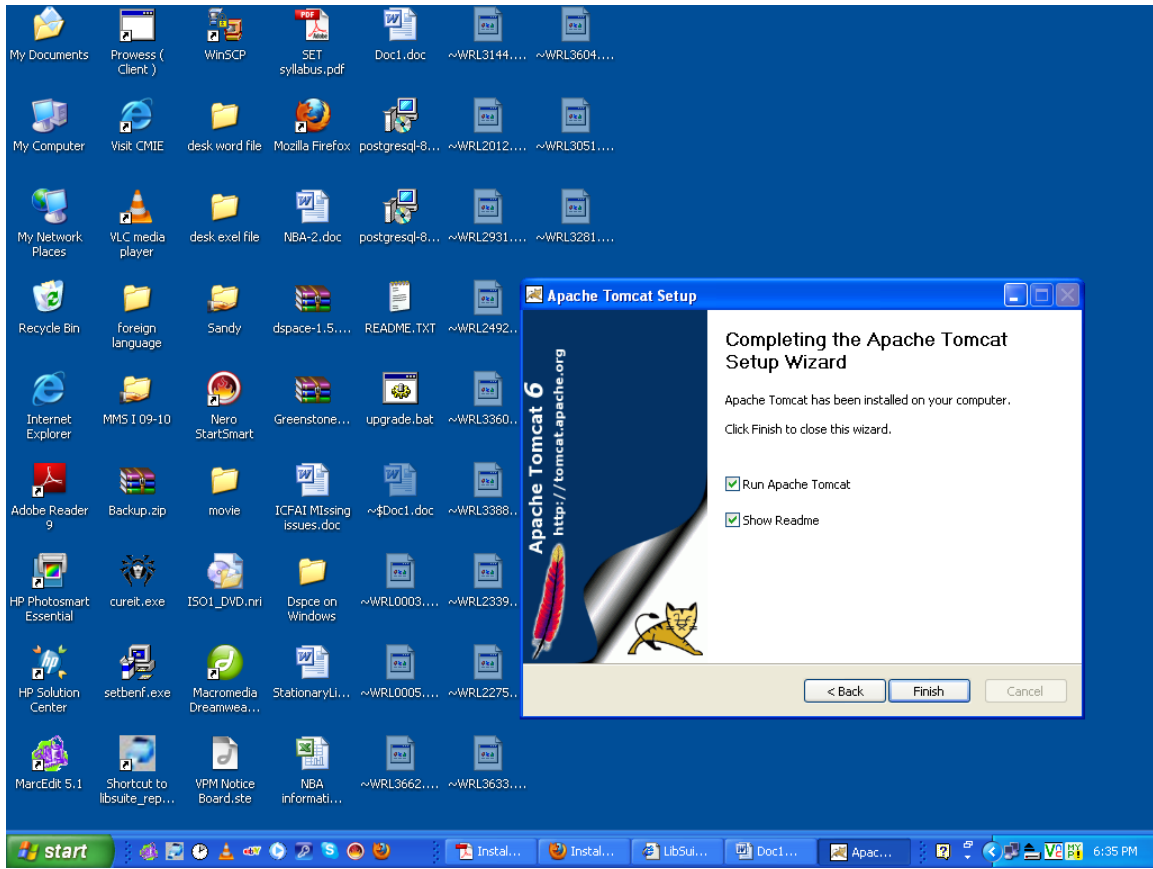


Paste here C:\Program Files\Java\jre1.5.0_06

Click Install



Installing (Apache Tomcat Setup)



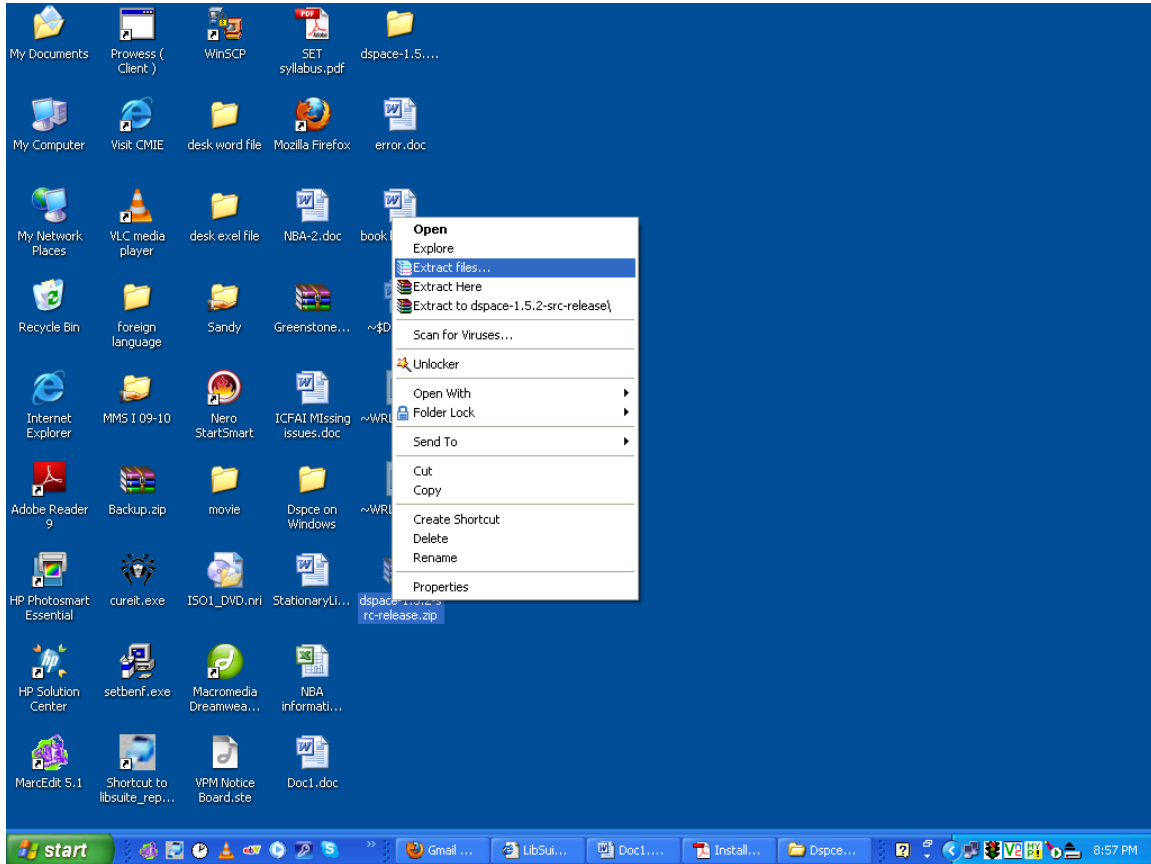
Finish

When Tomcat is running , you can see the icon of tomcat on systems tray area of windows. You can stop the service , start the service by right clicking this icon.

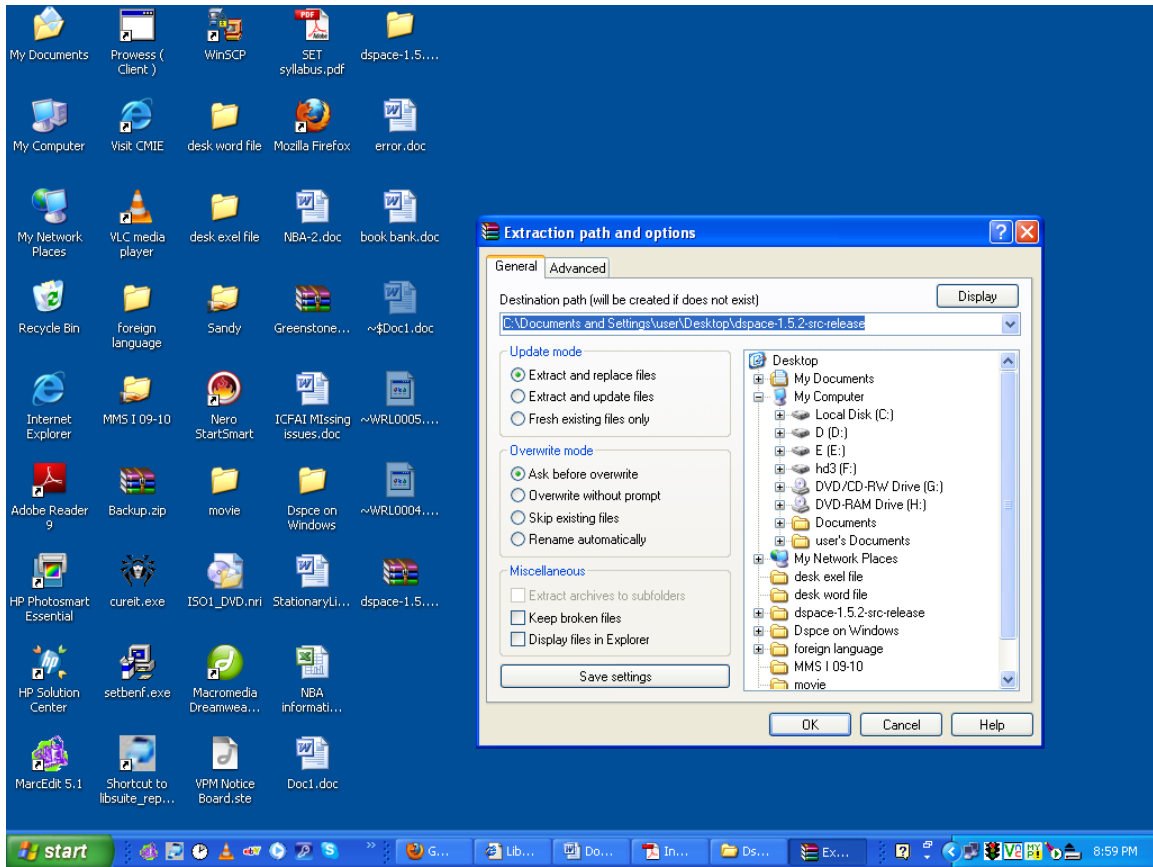


Compiling DSpace

Dspace extract file

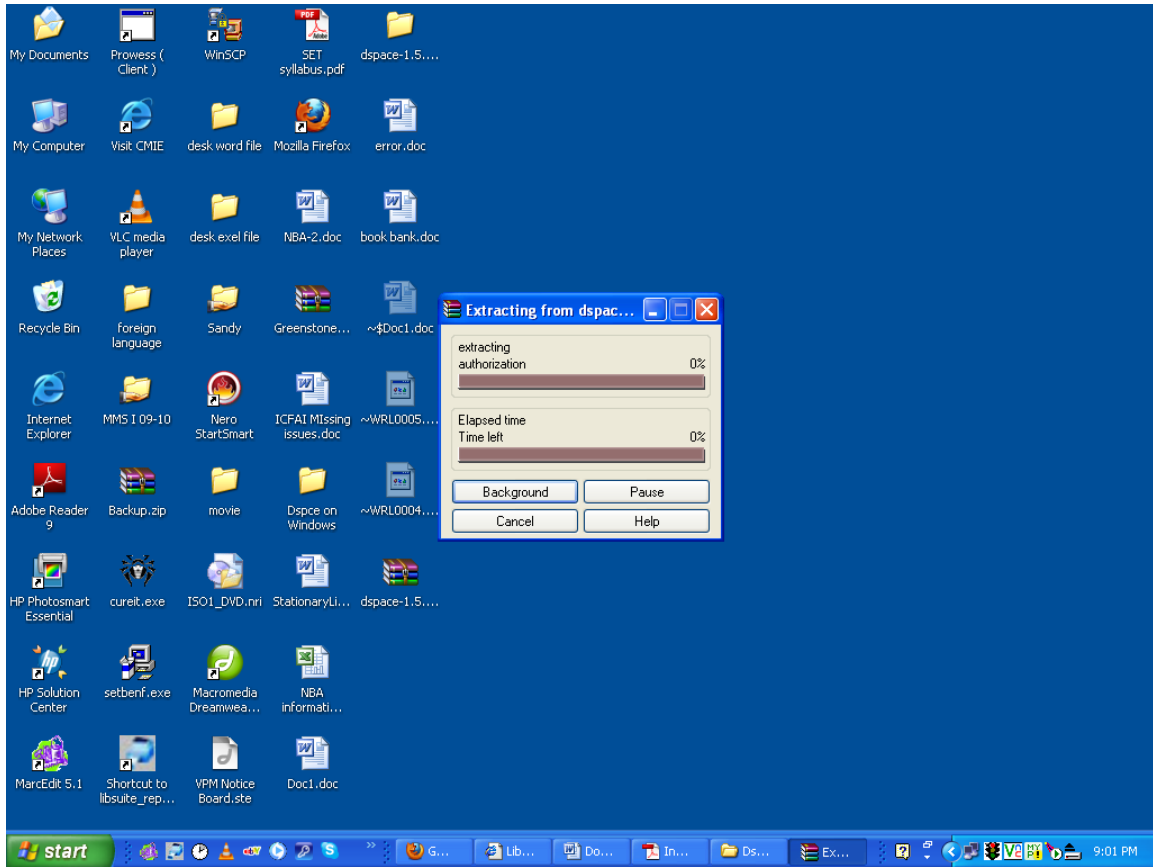


Extract a Desktop or other

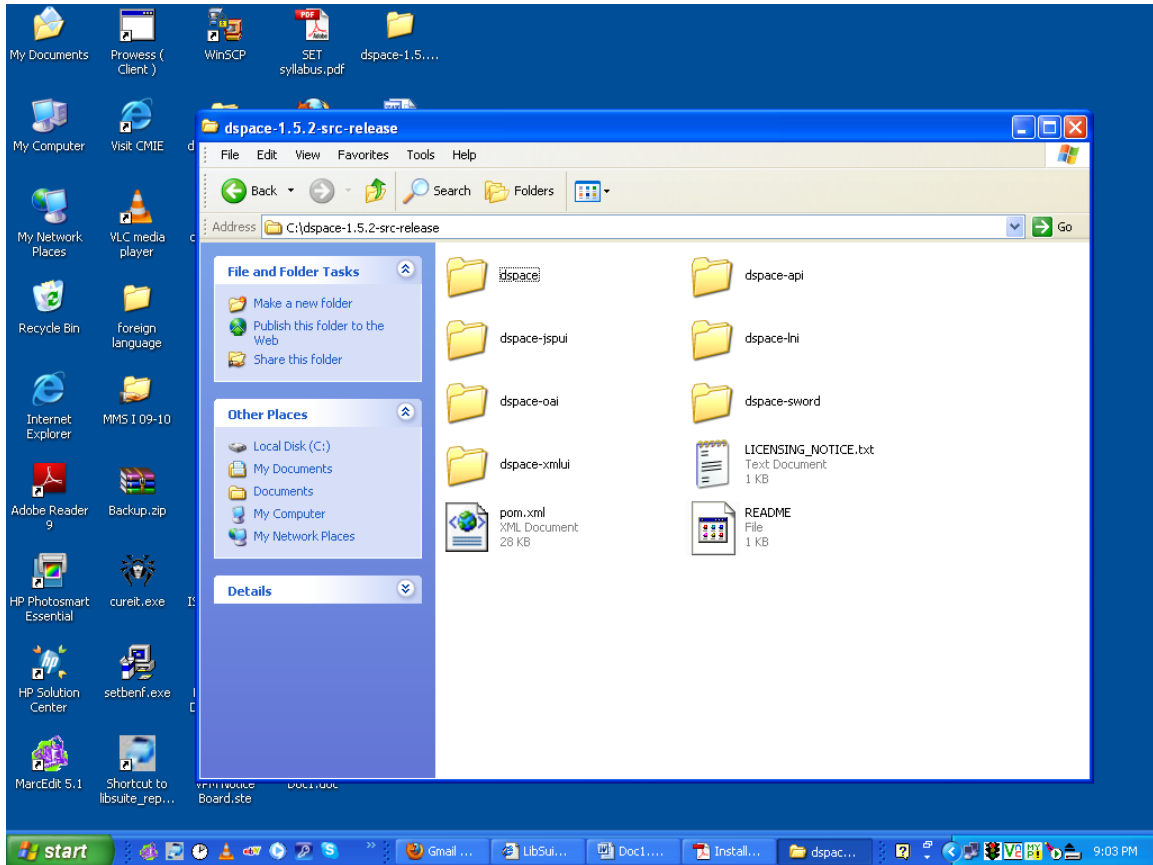


Click ok

Extracting from dspace

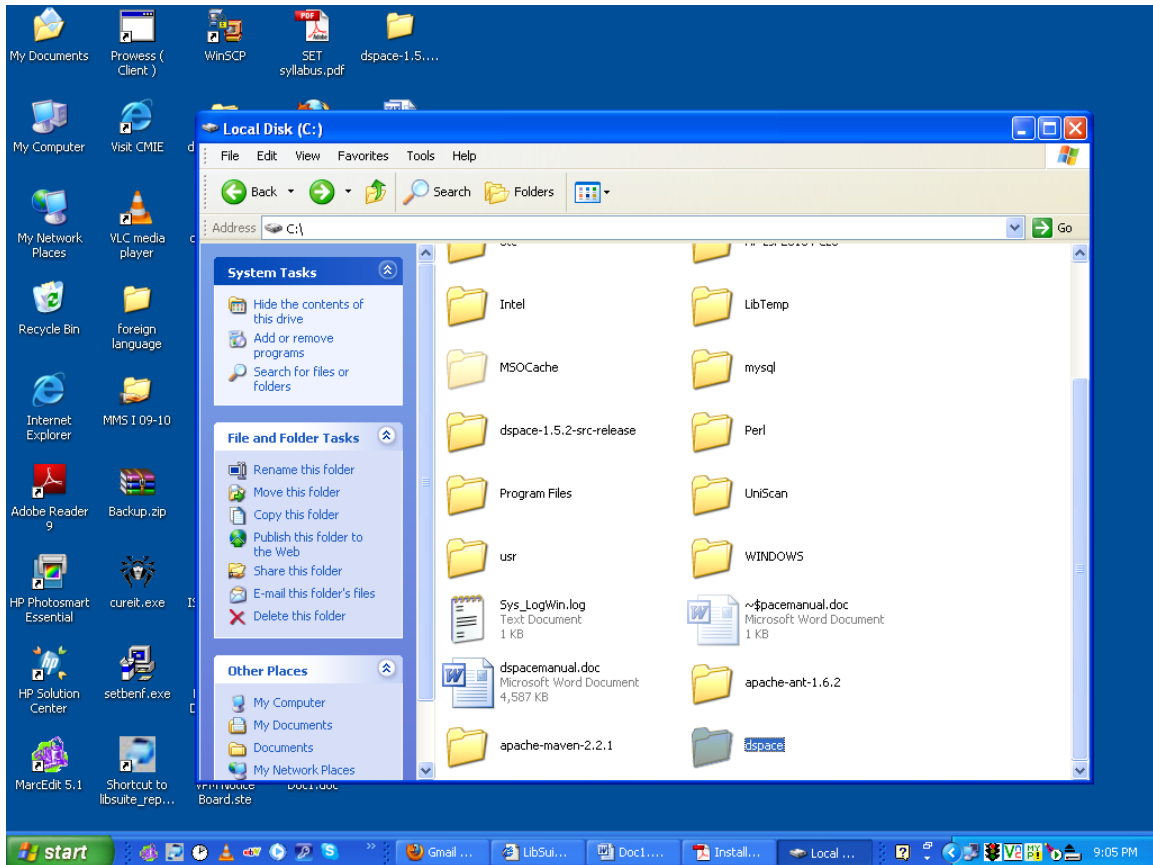


1. Copy to C:\ [this is our source directory] dspace-1.5.2-src-release



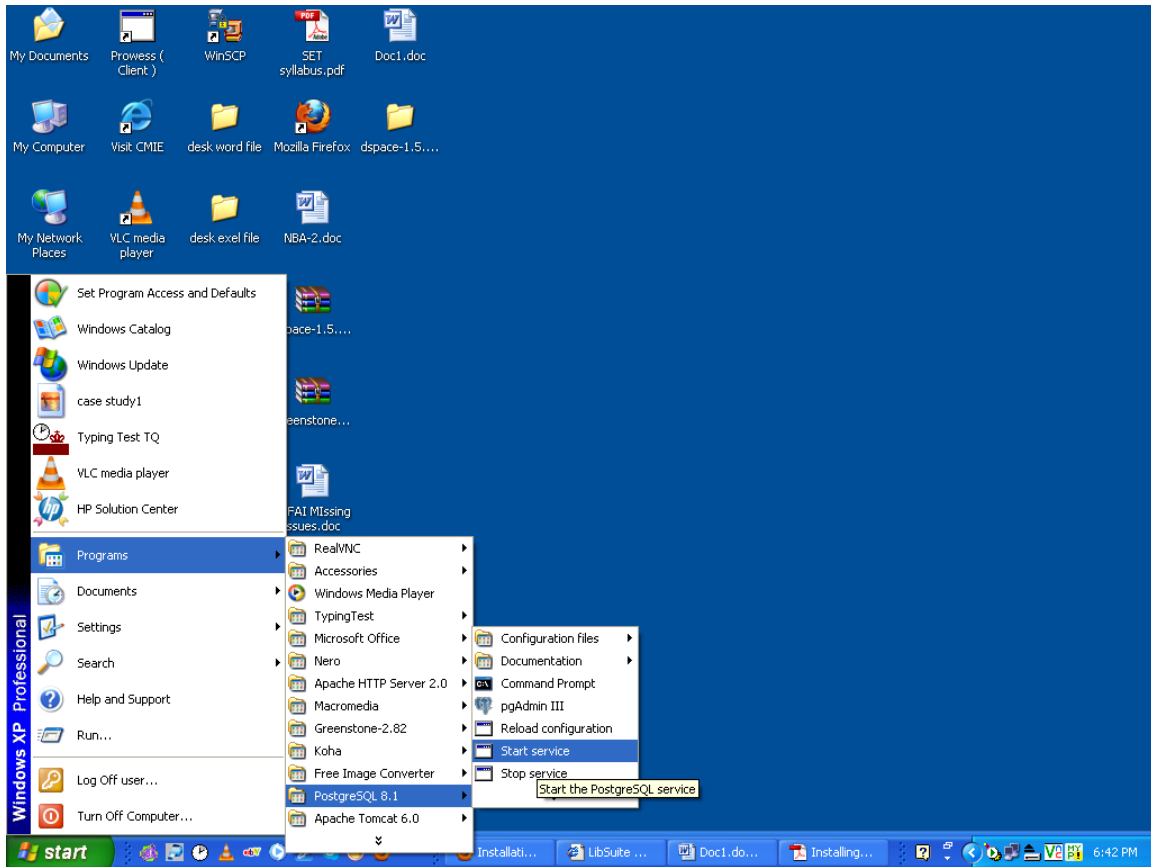
Here Path is **C:\dspace-1.5.2-src-release**

**2. Create a directory with name “dspace” in C:\ [this is our installation directory]
e.g.: dspace.dir = C:/dSpace**

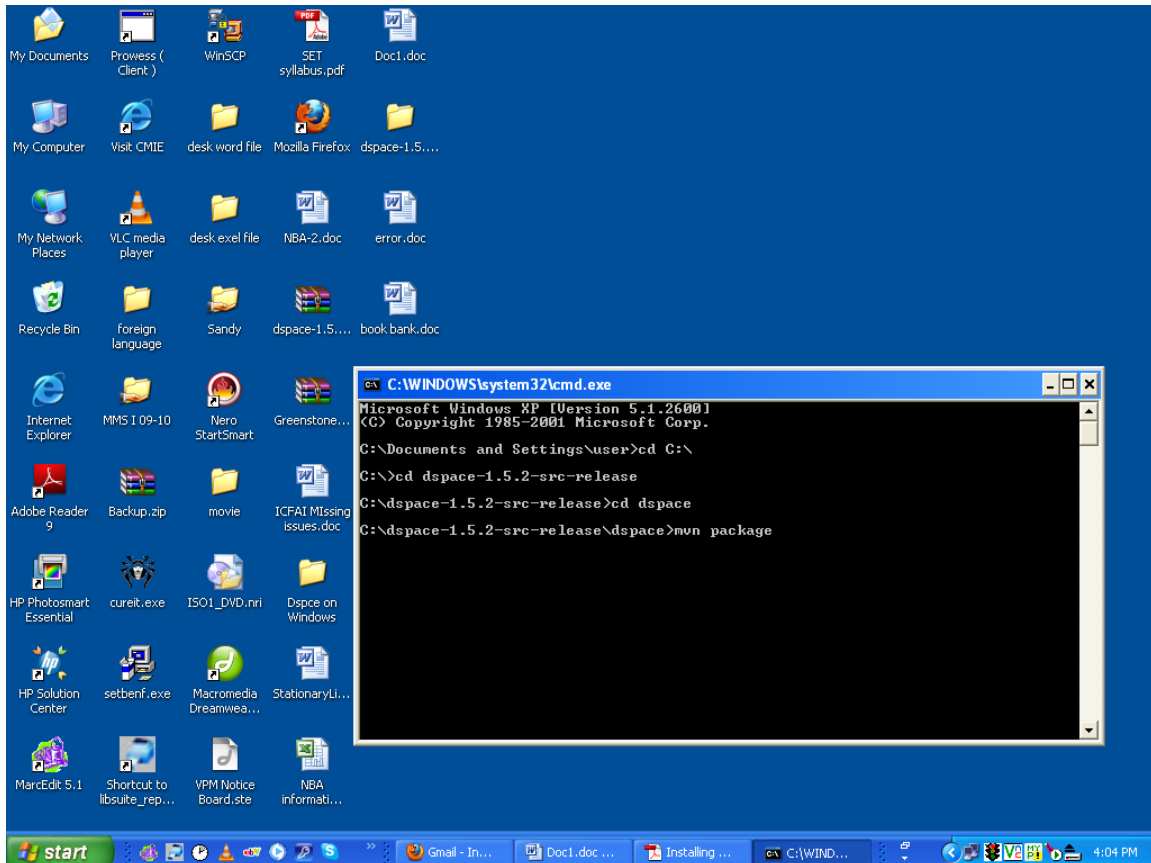


Here Create New Folder in C Drive & rename this folder dspace

3. Start the Postgres Service [Start > Programs > PostgreSQL 8.3 > Start Server]



Generate the DSpace installation package by running the following from commandline (cmd) from your [dspacesource]/dspace/ directory: and execute the command “mvn package”



Go Start , Run (Type cmd) press ok

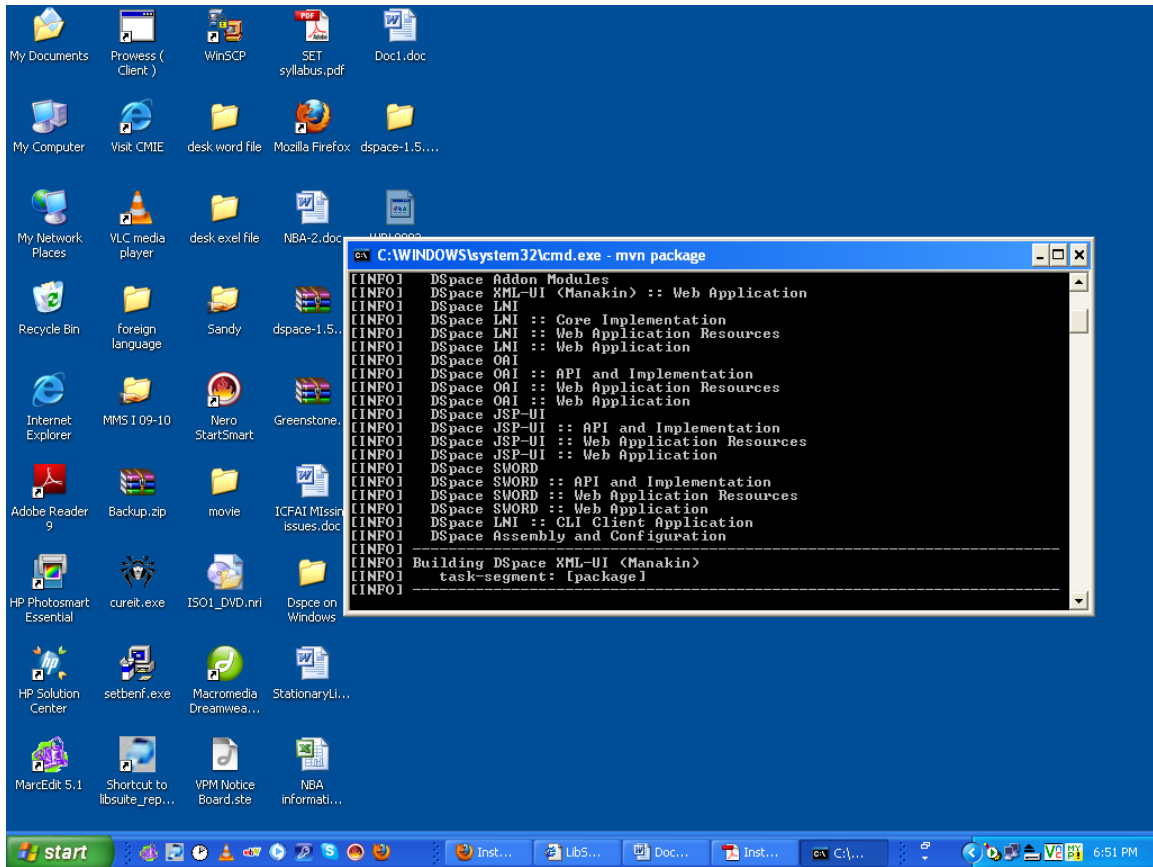
Open the cmd window after type C:\ (Press Enter)

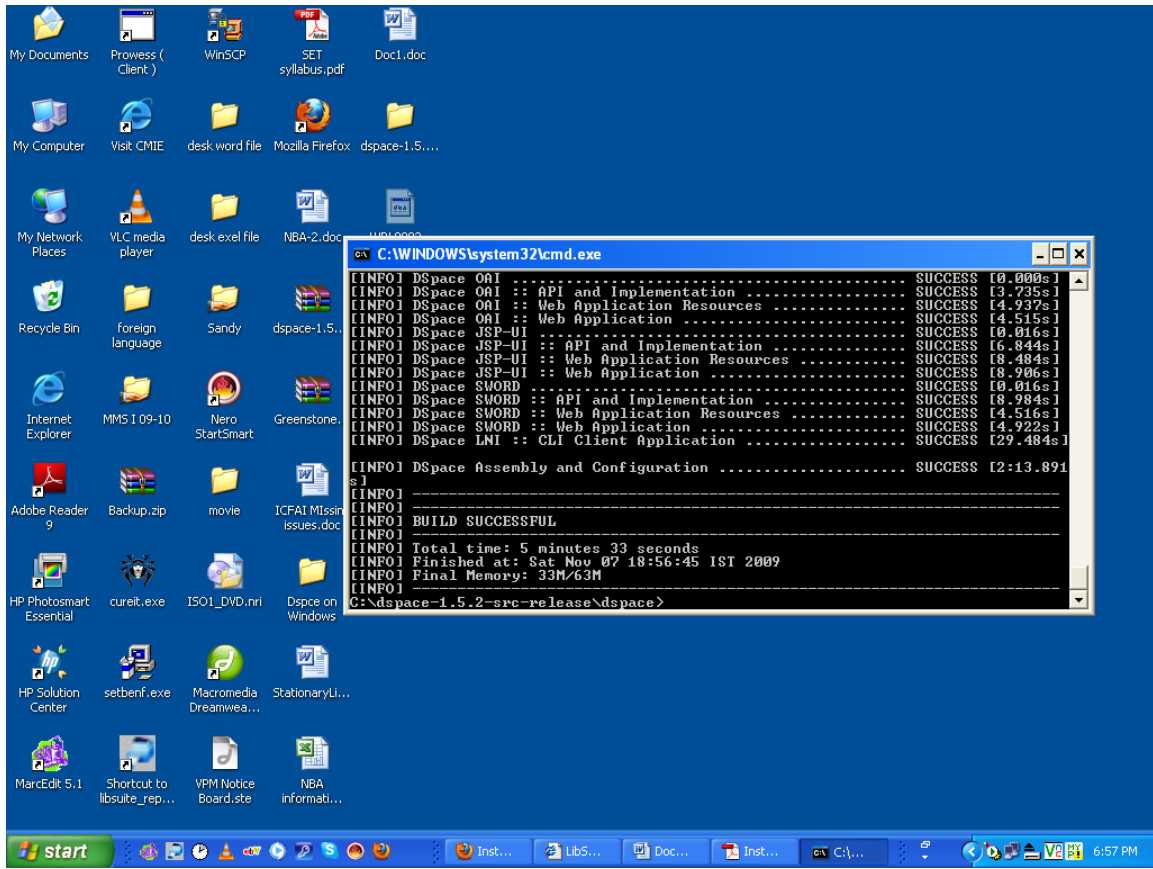
C:\>cd dspace-1.5.2-src-release (Press Enter)

C:\dspace-1.5.2-src-release >cd dspace (Press enter)

C:\dspace-1.5.2-src-release >cd dspace>mvn package (Press enter)

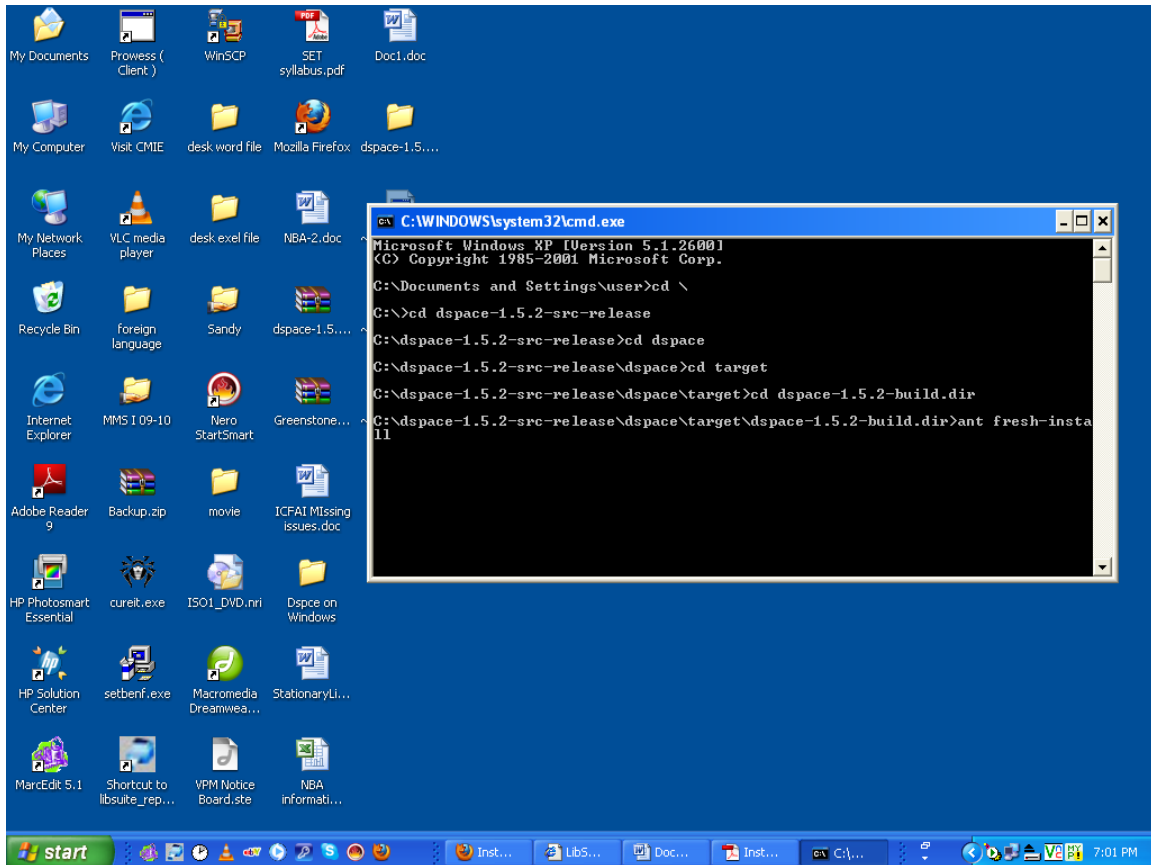
After this window come





Completed the mvn packages come build Successful Message in your screen.

Install DSpace to [dspace] (e.g. C:\DSpace) by running the following from commandline from your [dspace-source]/dspace/target/dspace-[version]-build.dir/ ant fresh_install



Command for Installing DSpace

Here open the cmd after type

C:\Documents and Settings\user>cd \ (Press enter)

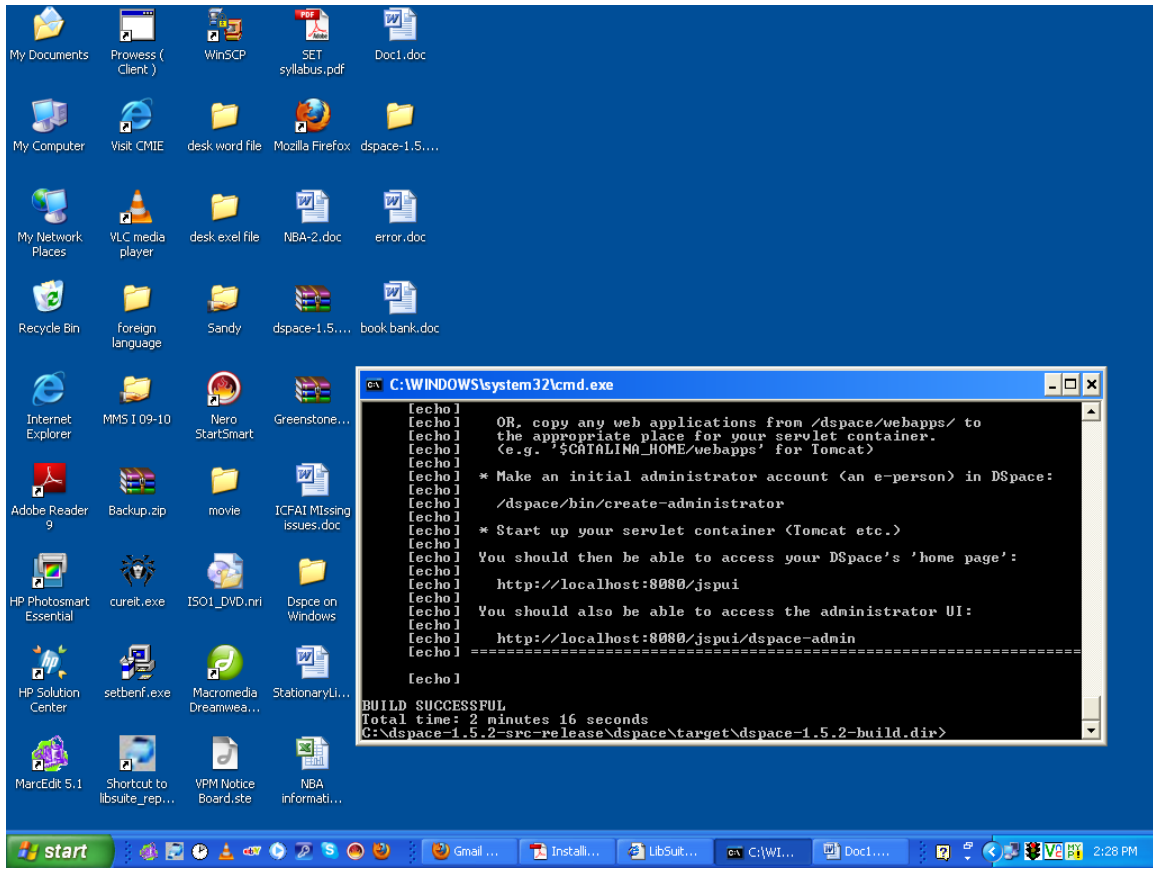
C:\>cd dspace-1.5.2-src-release (Press enter)

C:\>cd dspace-1.5.2-src-release>cd dspace (Press enter)

C:\>cd dspace-1.5.2-src-release\dspace>cd target (Press enter)

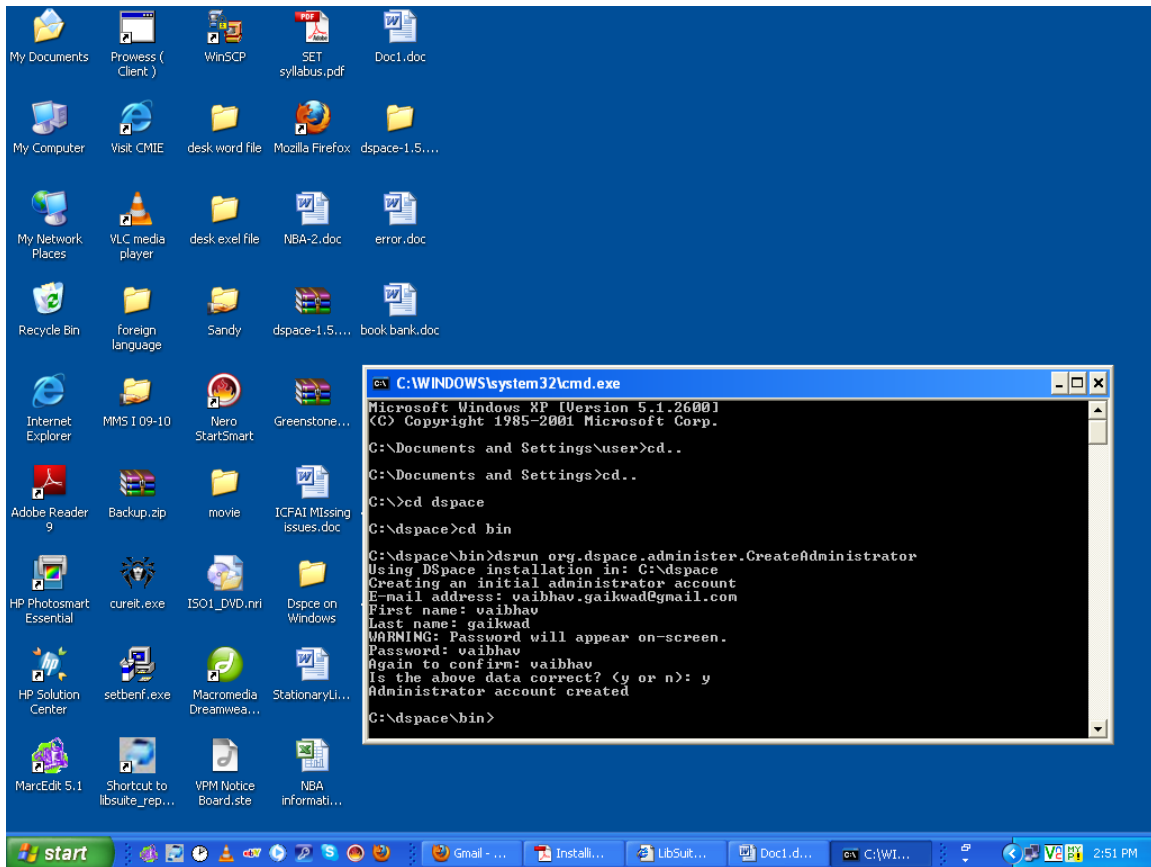
C:\>cd dspace-1.5.2-src-release\dspace\target>cd dspace-1.5.2-build.dir (Press enter)

C:\>cd dspace-1.5.2-src-release\dspace\target\dspace-1.5.2-build.dir>ant fresh-install (Press enter)



Completed the ant fresh install come build Successful Message in your screen.

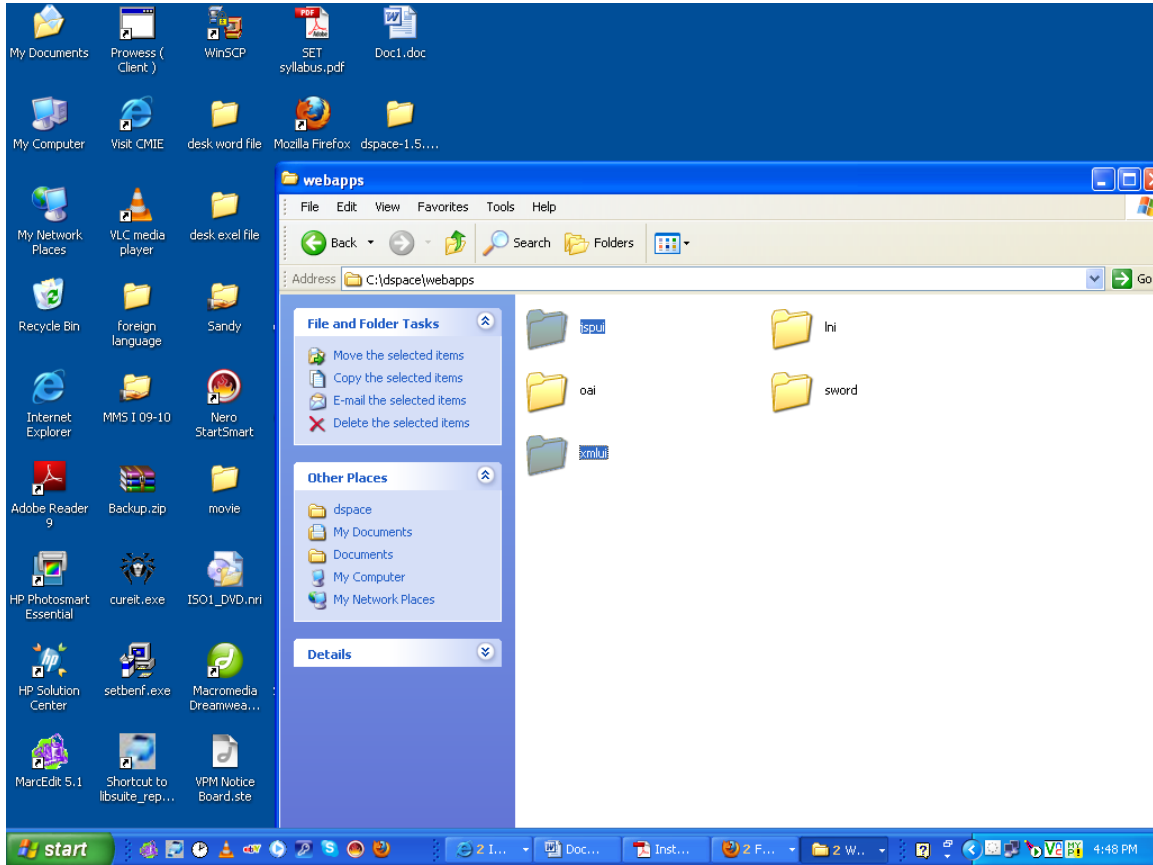
Create an administrator account, by running the following from your [dspace]
[dspace]\bin\dsrun org.dspace.administer.CreateAdministrator

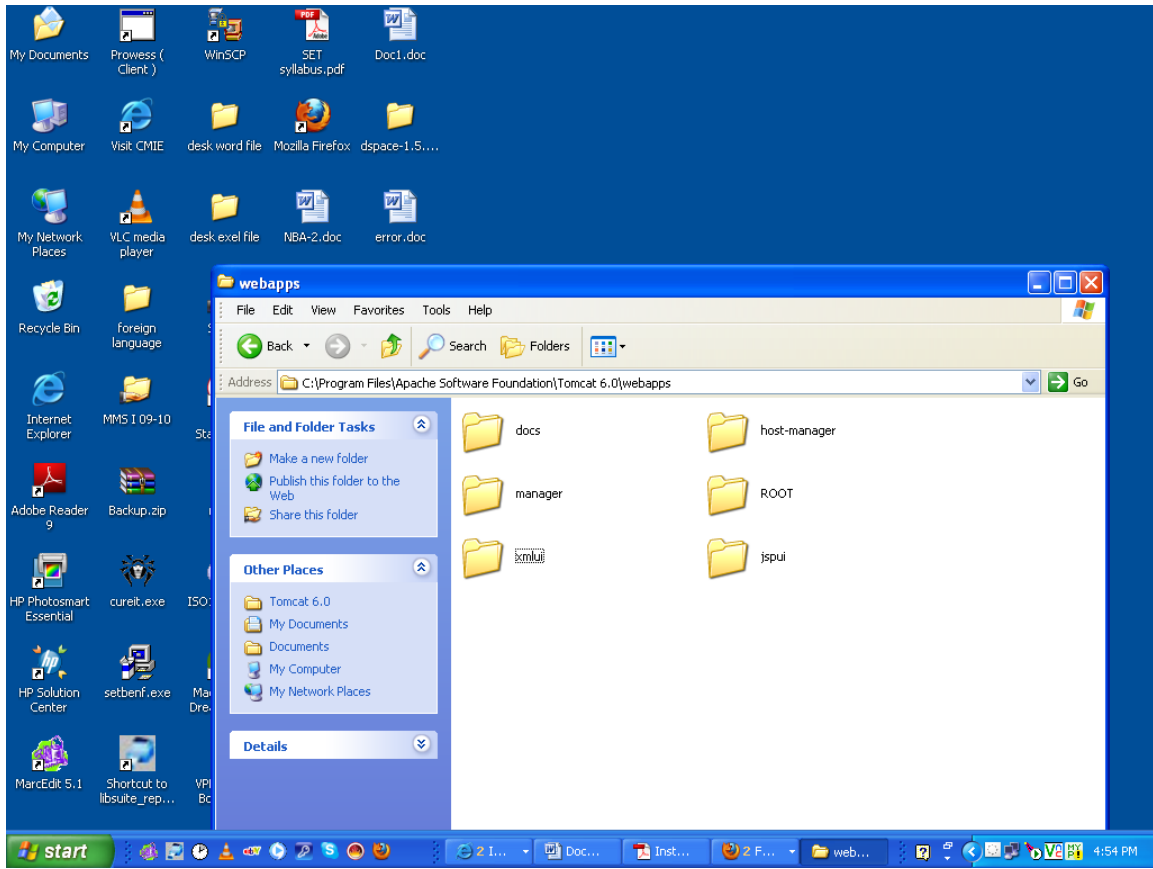


Copy the Web application directories from [dspace]\webapps\ to Tomcat's



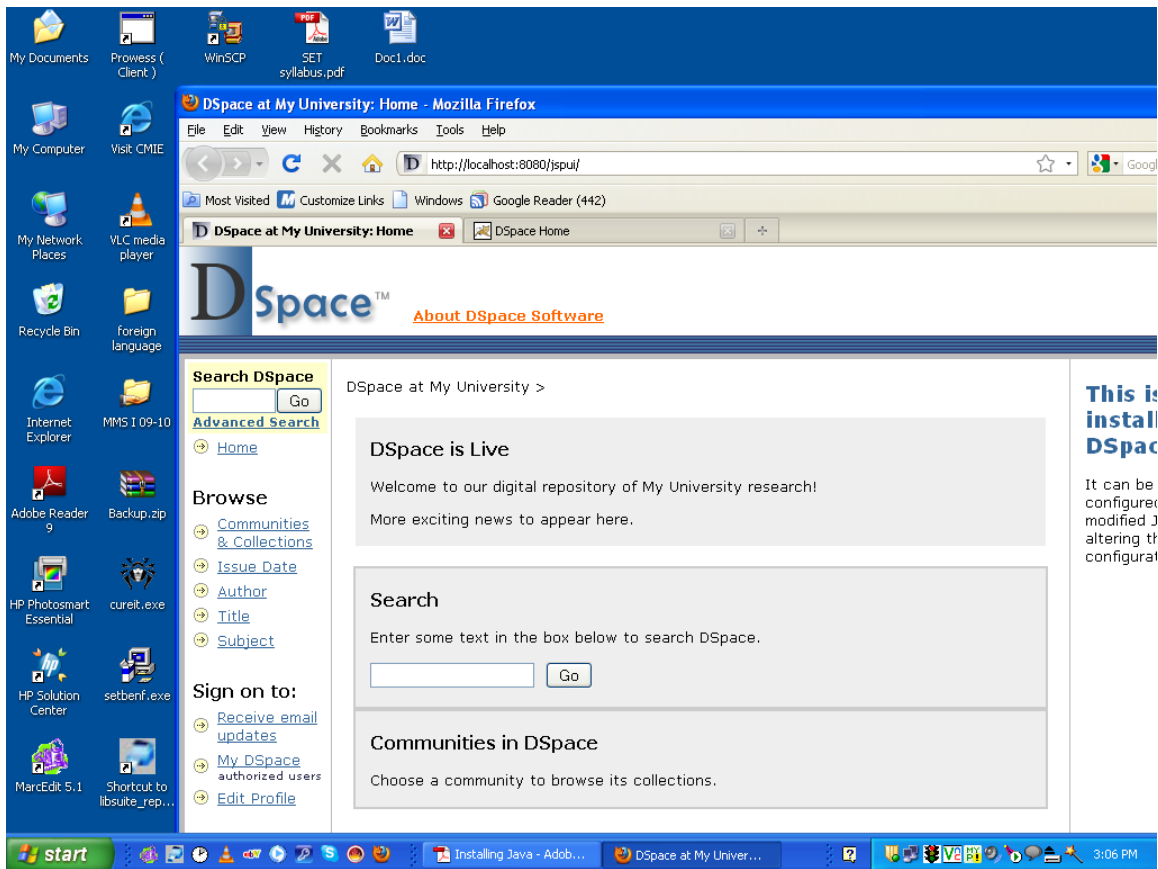
webapps dir, which should be somewhere like C:\Program Files\Apache Software Foundation\Tomcat 6.0\webapps





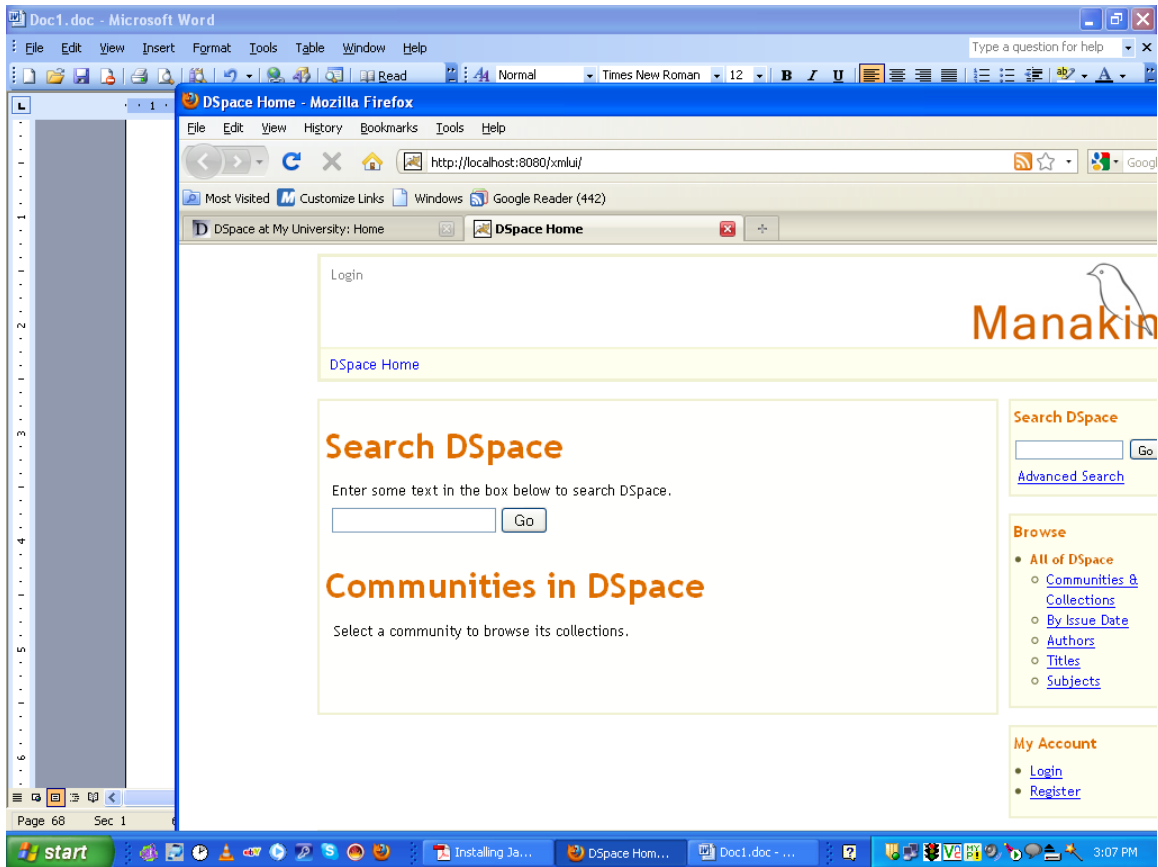
Restart the Tomcat and see DSpace is running at <http://localhost:8080/jspui/> and <http://localhost:8080/xmlui/>

<http://localhost:8080/jspui/> (Display)



<http://localhost:8080/xmlui/> (Display)



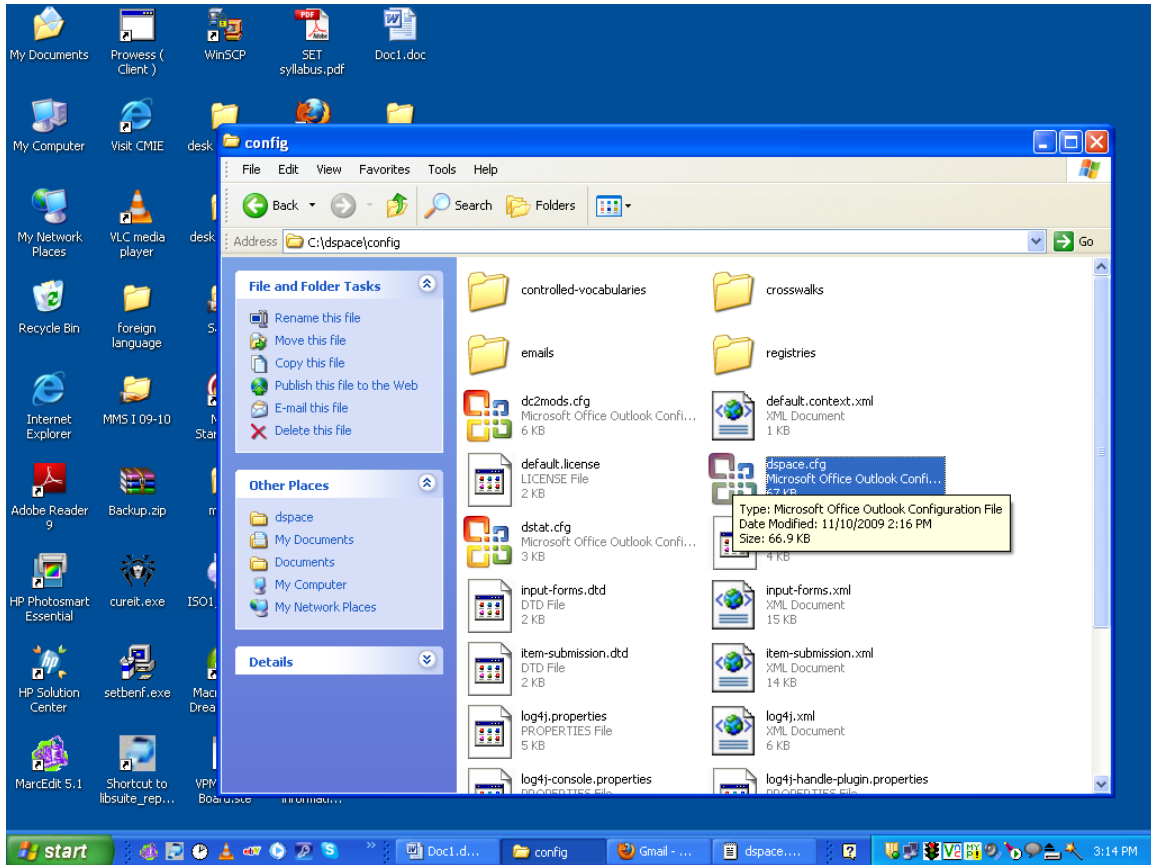


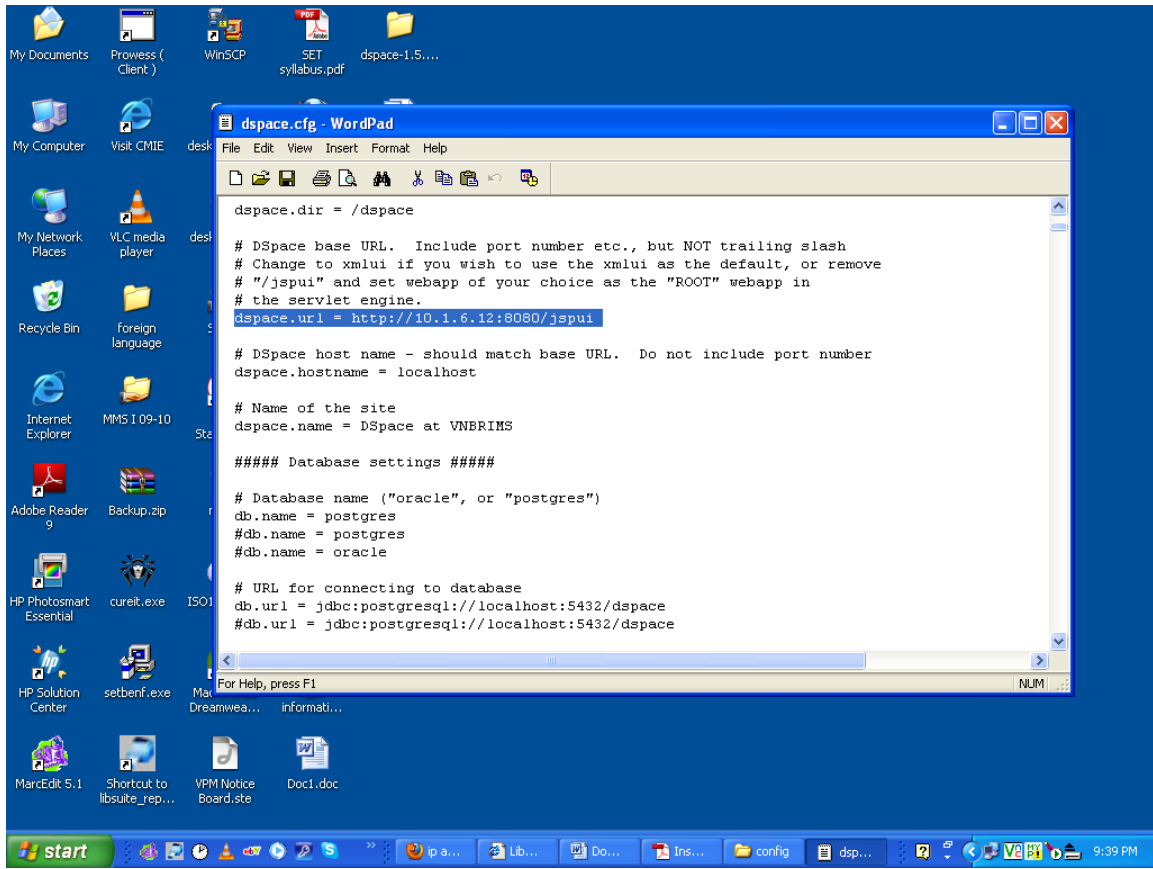
Here Login (Your email address & Password) given you earlier step.)

INSTRUCTION FOR PUTTING DSPACE ON Local Area Network (LAN) OF CAMPUS/INSTITUTE

To change the URL from local host to particular IP (internet Protocol) address. Open

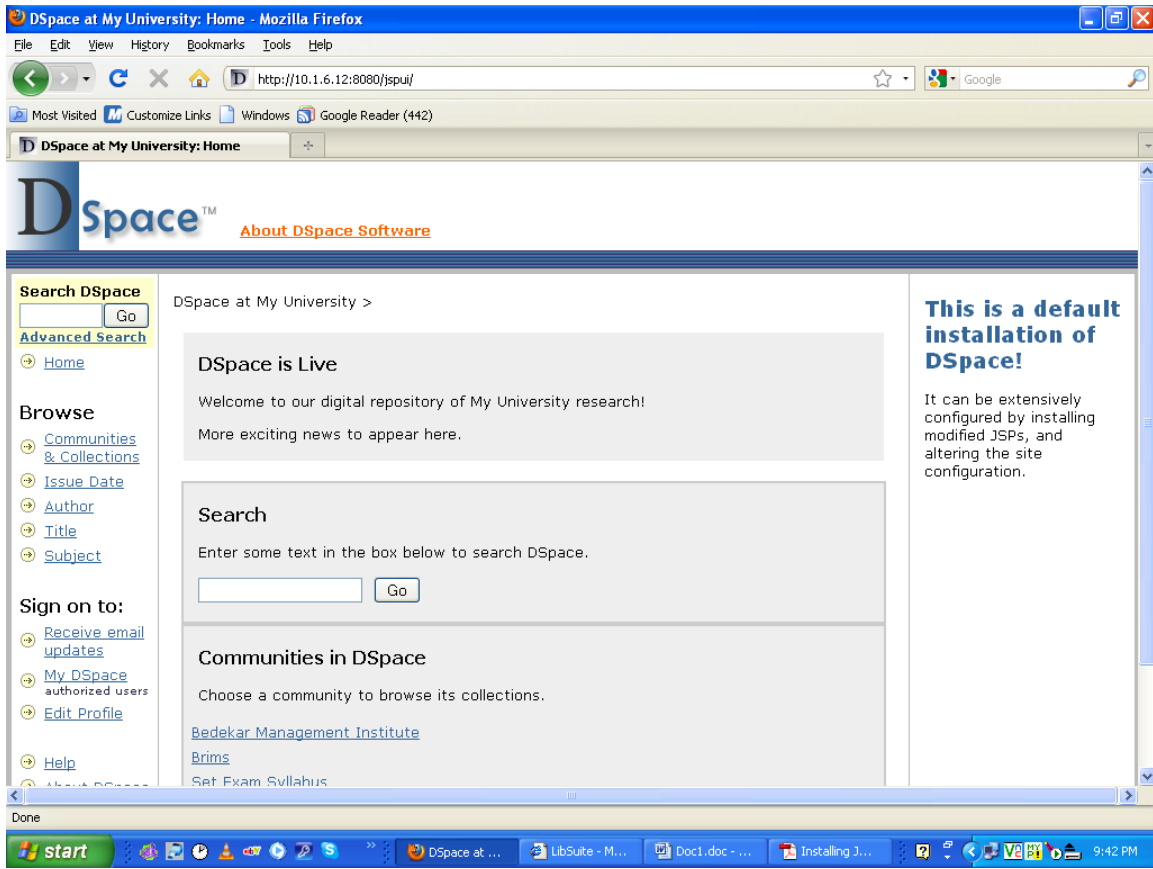
C:\dSPACE\config\dSPACE.cfg in text editor / word pad





Change the dspace.url by writing your IP

After save the textfile



Type the URL as **http://machine IP :8080/jspui**

Congratulation !!!

