

INSTALLING DSPACE ON



WINDOWS

Prepared by Abhishek
Computer Engg.
Nagindas Khandwala
College.

Prerequisite software

☞ Java 1.5.0 (jdk1.5.0_14)

http://java.sun.com/javase/downloads/index_jdk5.jsp

☞ Apache Ant

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

☞ Apache Tomcat

<http://tomcat.apache.org/download-55.cgi>

☞ PostgreSQL 8.2

<http://www.postgresql.org/ftp/binary/v8.2.6/win32/>

☞ DSpace1.4.2

<http://sourceforge.net/projects/dspace/>

STEPS

- 1) Create a folder in the C drive named “installospace”
- 2) Download all the above mentioned software to this folder. (If you are provided with a CD, then copy and paste all the items in it to this folder)
- 3) Check the computer to ensure that the above mentioned softwares are not already installed in it. If so remove it from the system by clicking the “Add/Remove Program” button in the control panel and select and remove the item



4) Install Java

- Click the .exe file and follow instructions

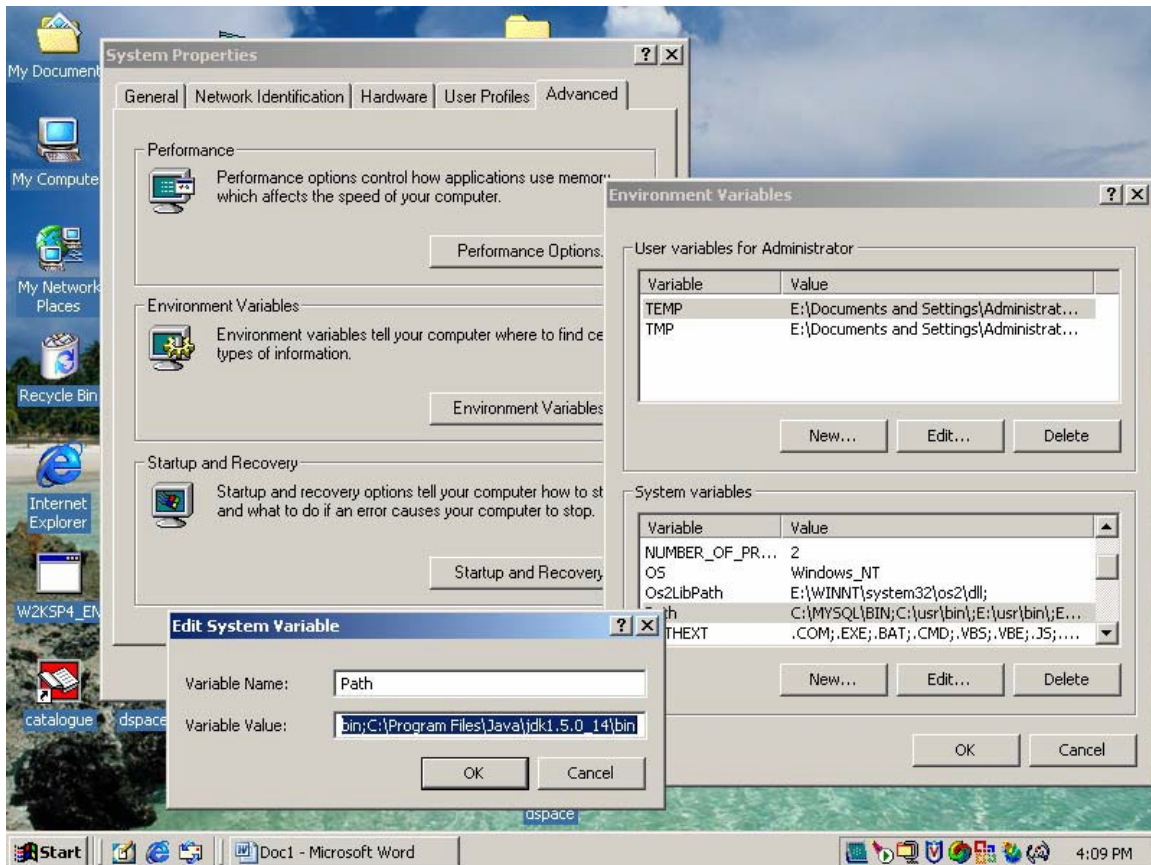


5) Install Apache Ant

- Unzip the apache ant file(Right click the file and click “extract all”/ “open with winzip”)
- Copy and paste the same folder to C drive

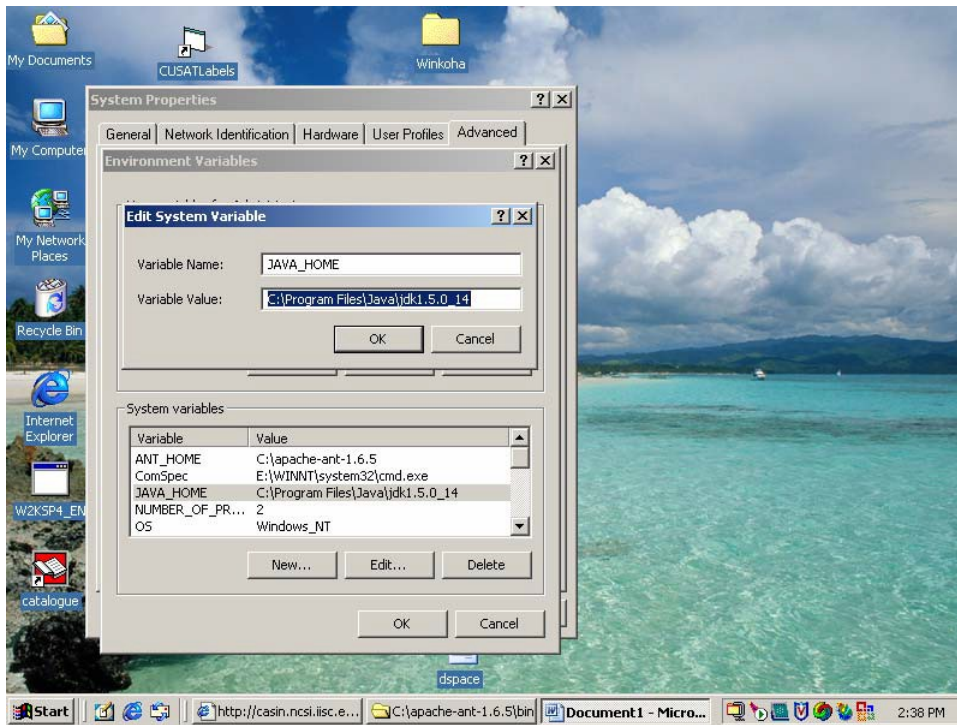
6) Set up the PATH variables

- Right click My Computer, click Properties, click Advanced, click Environment Variables, select “PATH” from System Variables, click edit
- Copy and paste the apache path and java path (both up to the **bin** folder) or type the path as below
 `;C:\apache-ant-1.6.5\bin;C:\Program Files\Java\jdk1.5.0_14\bin` (; is inserted between two paths in order to separate them)
- Click OK.

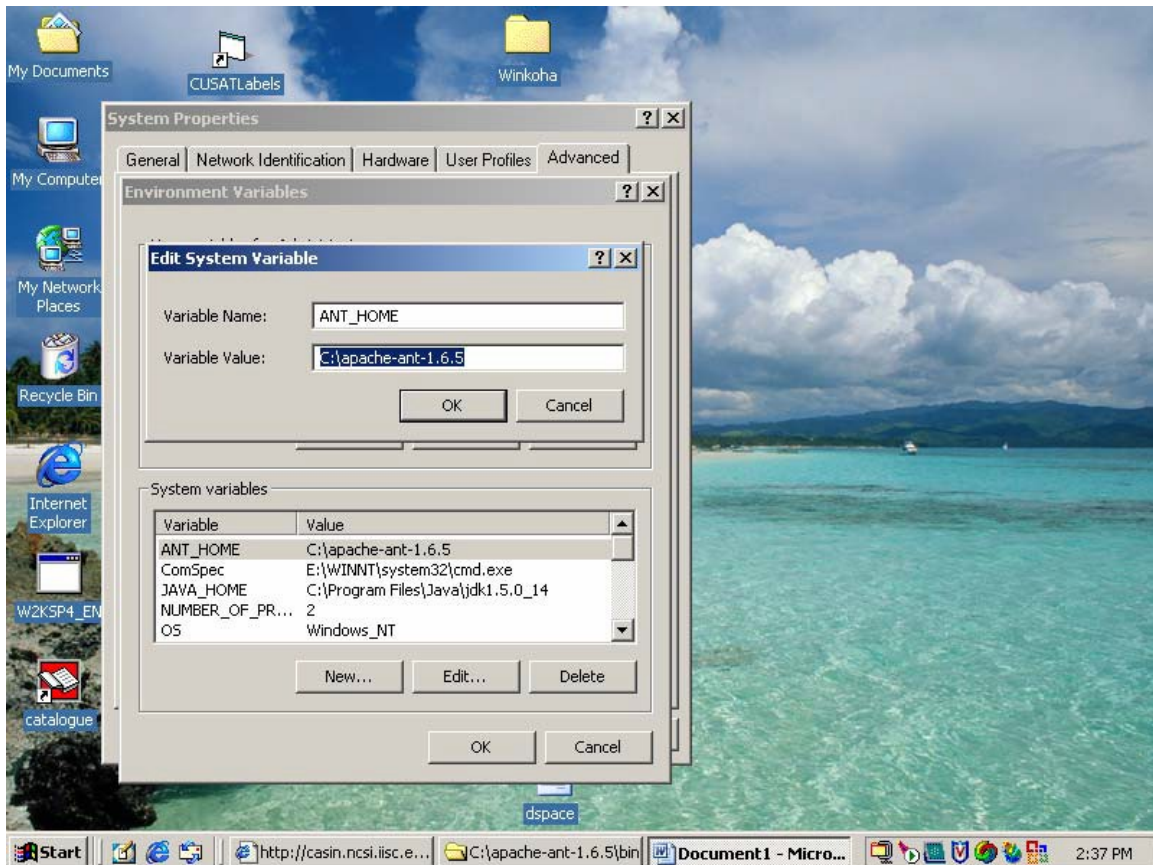


7) Set up JAVA HOME

- Right click My Computer, click Properties, click Advanced, click Environment Variables, click “New” from System Variables
- Enter Variable Name : **JAVA_HOME**
Variable Value : **C:\Program Files\Java\jdk1.5.0_14**



8) Similarly set up ANT_HOME



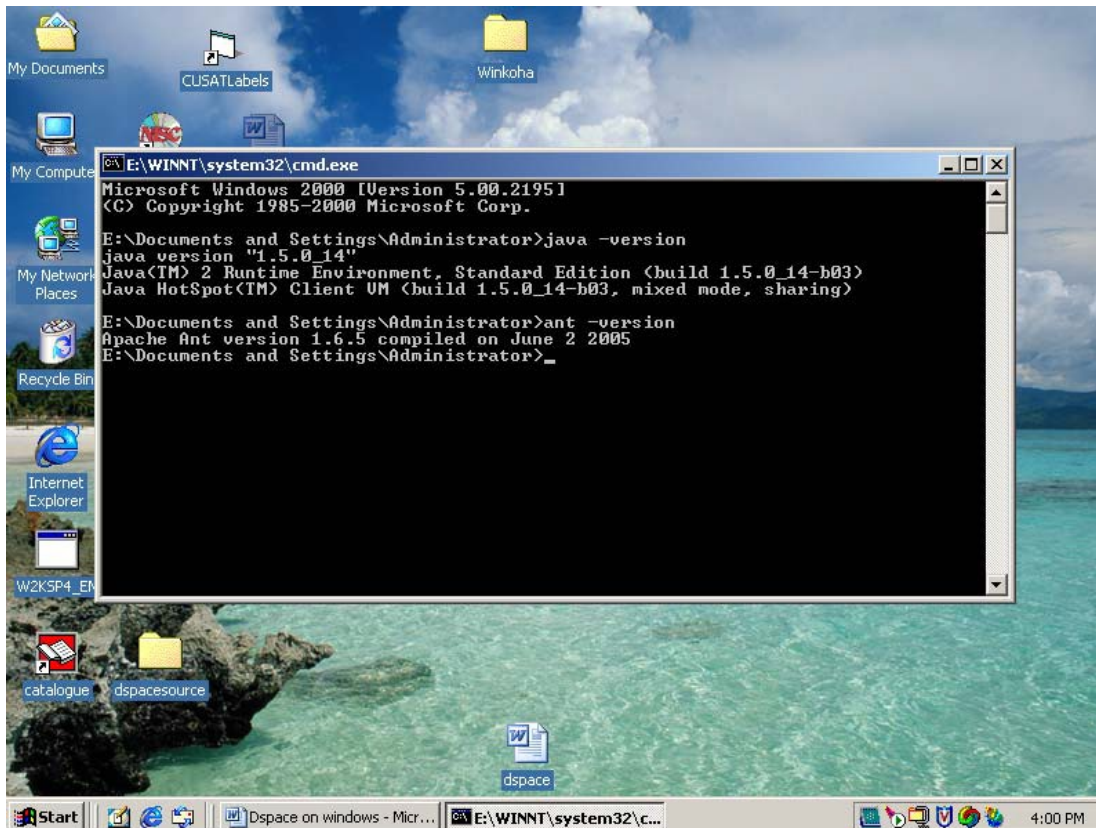
To verify this, go to command prompt (Click Start, click Run, type **cmd**)

Type **java -version**

Then the system will show the version of java installed in it

Again in the command prompt, type **ant -version**

Then the system will show the version of ant installed.



```
E:\WINNT\system32\cmd.exe
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

E:\Documents and Settings\Administrator>java -version
java version "1.5.0_14"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_14-b03)
Java HotSpot(TM) Client VM (build 1.5.0_14-b03, mixed mode, sharing)

E:\Documents and Settings\Administrator>ant -version
Apache Ant version 1.6.5 compiled on June 2 2005
E:\Documents and Settings\Administrator>_
```



9) Install PostgreSQL

- Click the installer file postgresql-8.2
- Follow the instructions

Note:- For installing PostgreSQL, the file system of your local disc must be NTFS

To identify this, right click the local disc(C; E; F...etc), select "Properties", see the "File System"

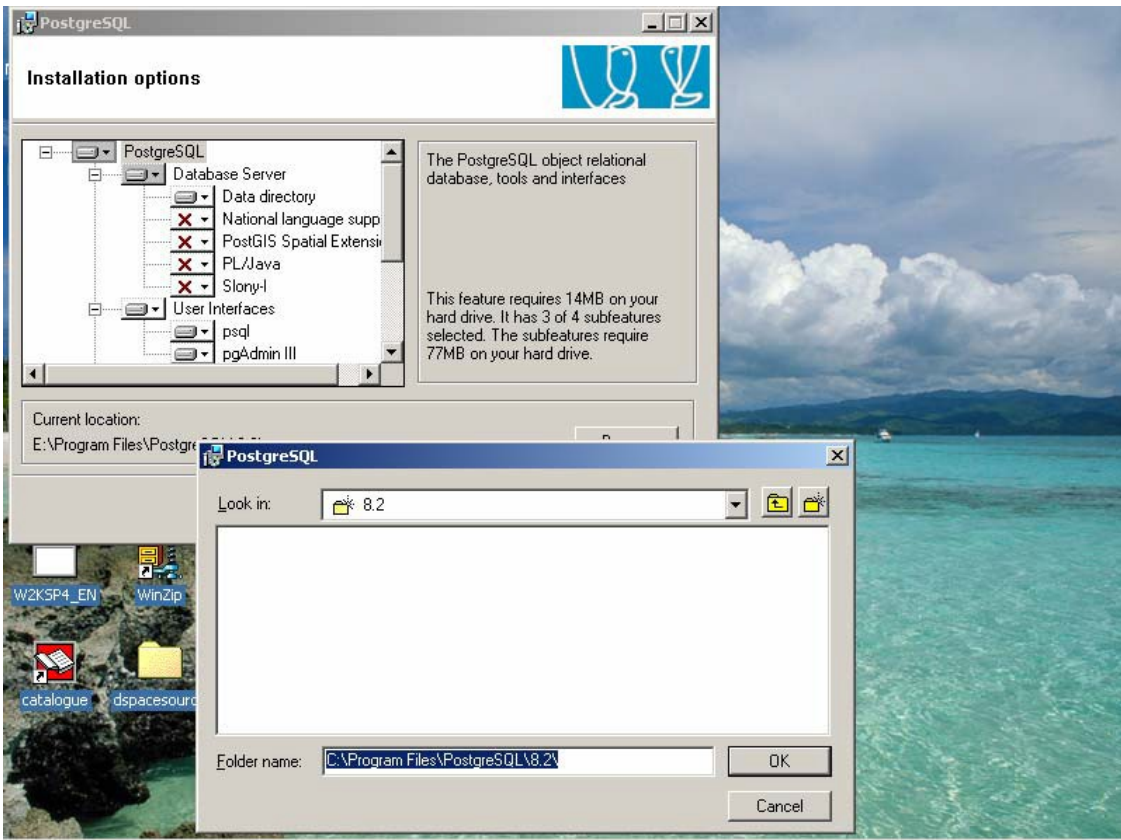
If all the drives in your system are FAT, then convert a convenient disc to NTFS

For converting, go to command prompt and type

```
C:\>CONVERT C: /fs:ntfs
```

Where C is the name of the drive you want to convert

- While installing postgresql please ensure that the file is being installed at the NTFS drive. In the screen shown below the Current location is E:\Program Files\PostgreSQL\8.2\. Since my E drive is FAT32 and C drive is NTFS, I needed to change this location. For that click "browse" and in the new window edit the location to C:\Program Files\PostgreSQL\8.2\



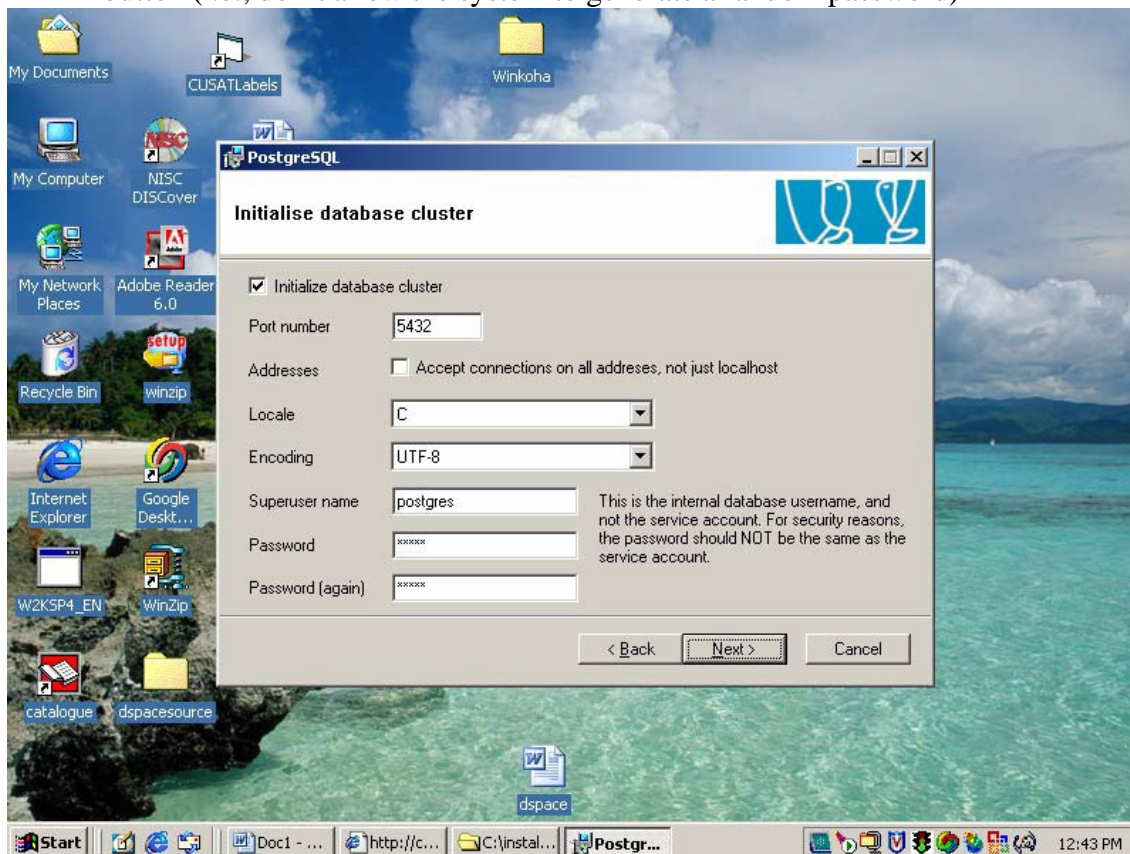
- Click next. Give an account password (e.g.:- admin) as shown below



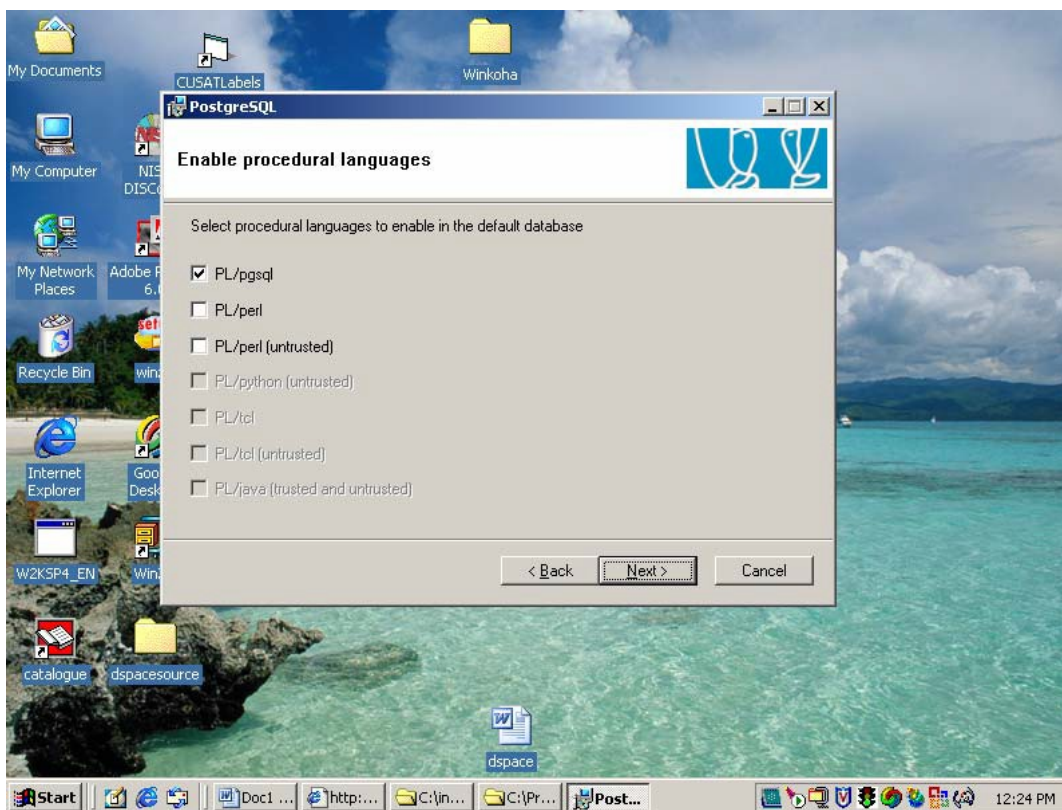
- Click next. Here you change the “Encoding” to UTF-8
- Superuser name: postgres

- Password: admin

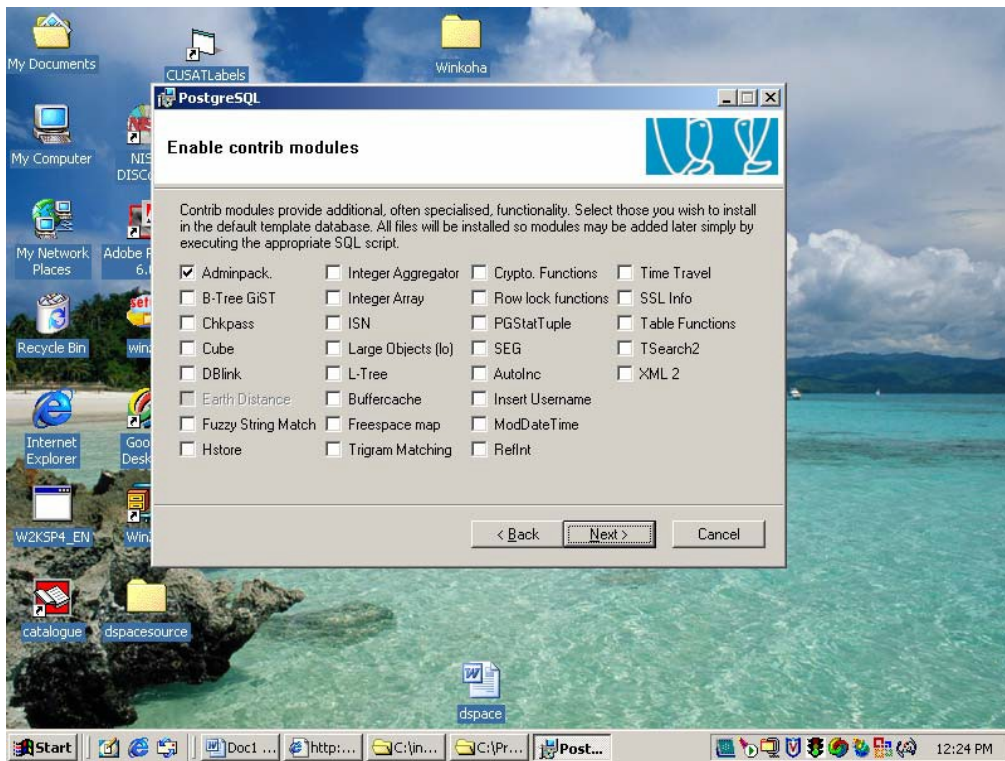
Note:- Sometimes the system may tell you that the password is too short and the system shall generate a new password. In such case, you just click the No button (i.e.; don't allow the system to generate a random password)



- Click next

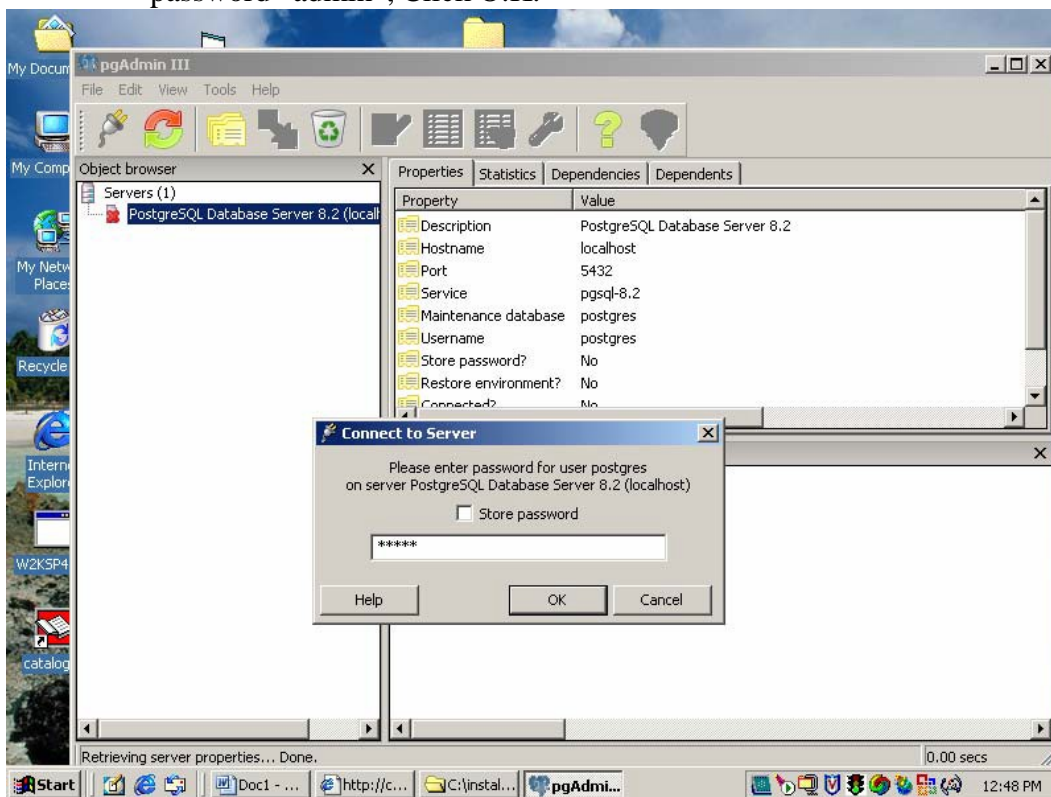


- Click next, follow instruction and finish the installation.



10) Create database **dspace**

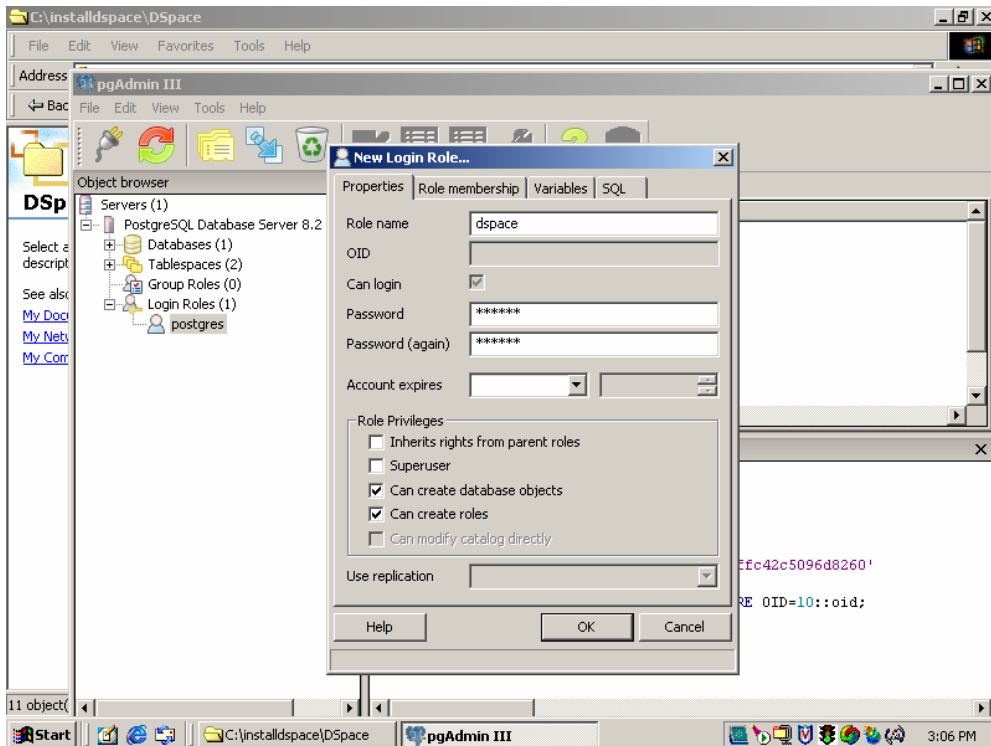
- Click “Start”, “Programs”, “PostgreSQL”, “PG AdminIII
- Right click the PostgreSQL Database Server 8.2, Click connect; enter the password “admin”, Click O.K.



For creating a database you must create a Login Role first

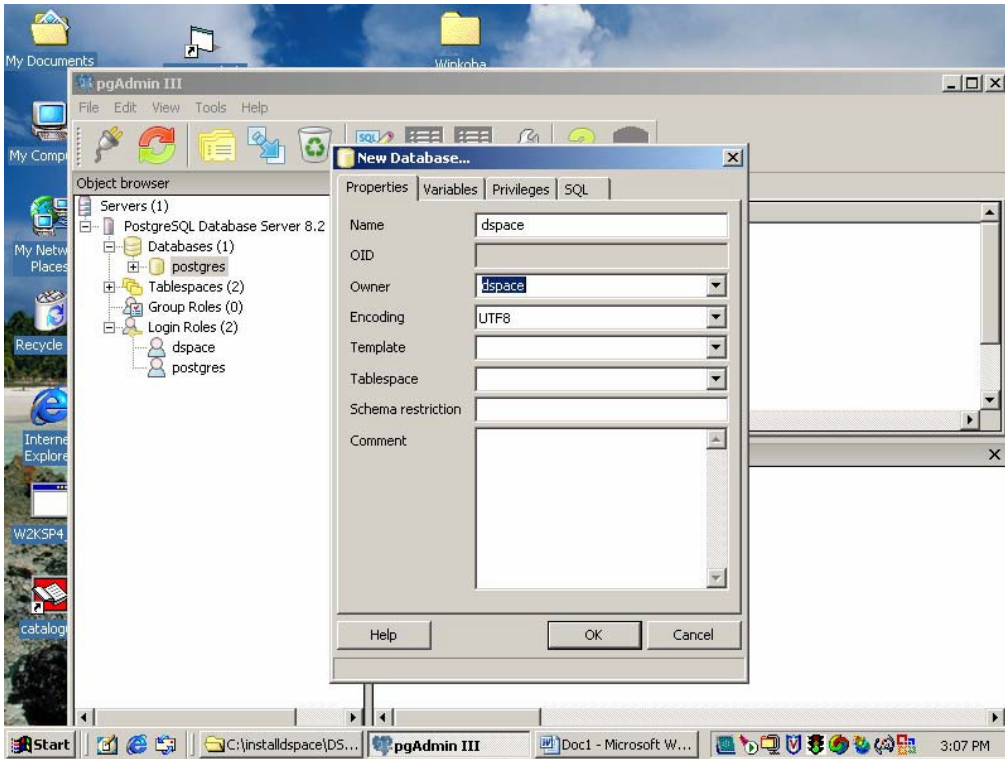
☞ Create login Roles. For this right click the “Login Roles” icon and select “New Login Role”

- Enter Role name: dspace
- Give password : dspace
- Ensure that two items in the “Role Privileges”(Can create database objects; Can create roles) are selected as shown below
- Click O.K.



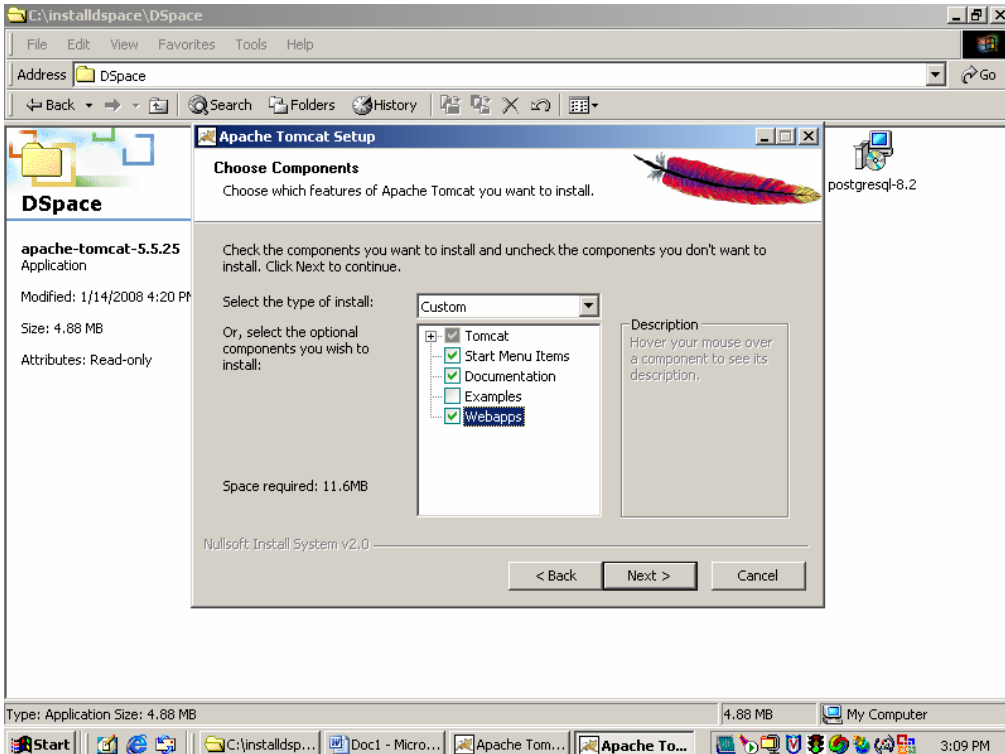
☞ Create database. For this right click database, select “New Databases”

- Enter Name : dspace
Owner : select dspace from the list
- Click O.K.

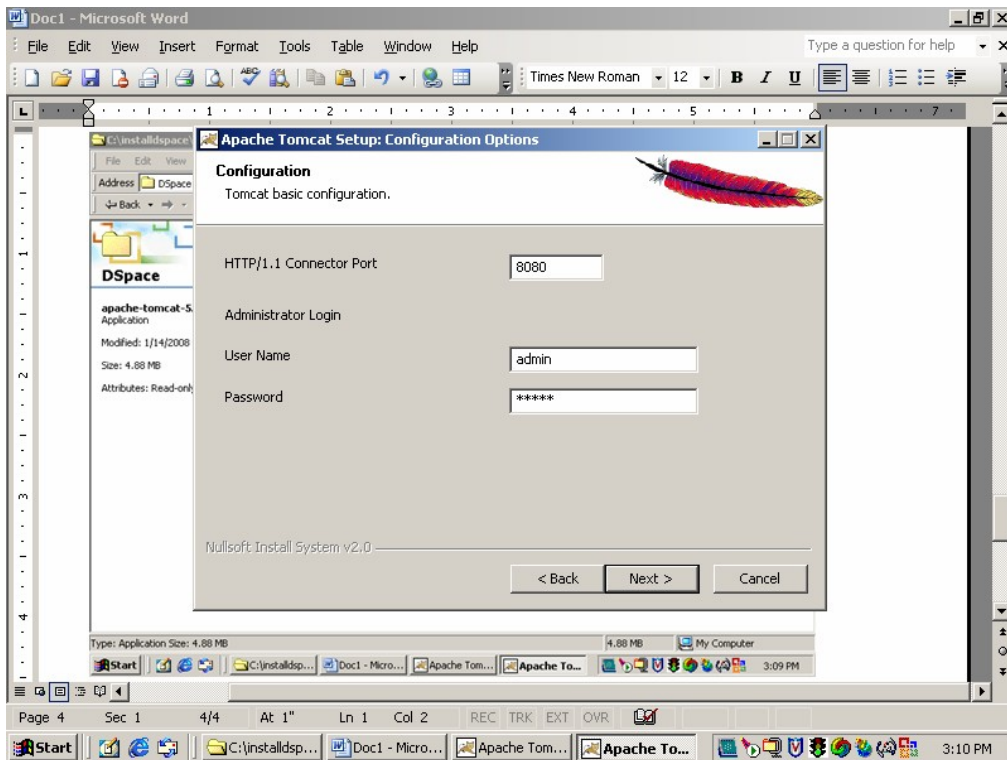


11) Apache Tomcat Installation

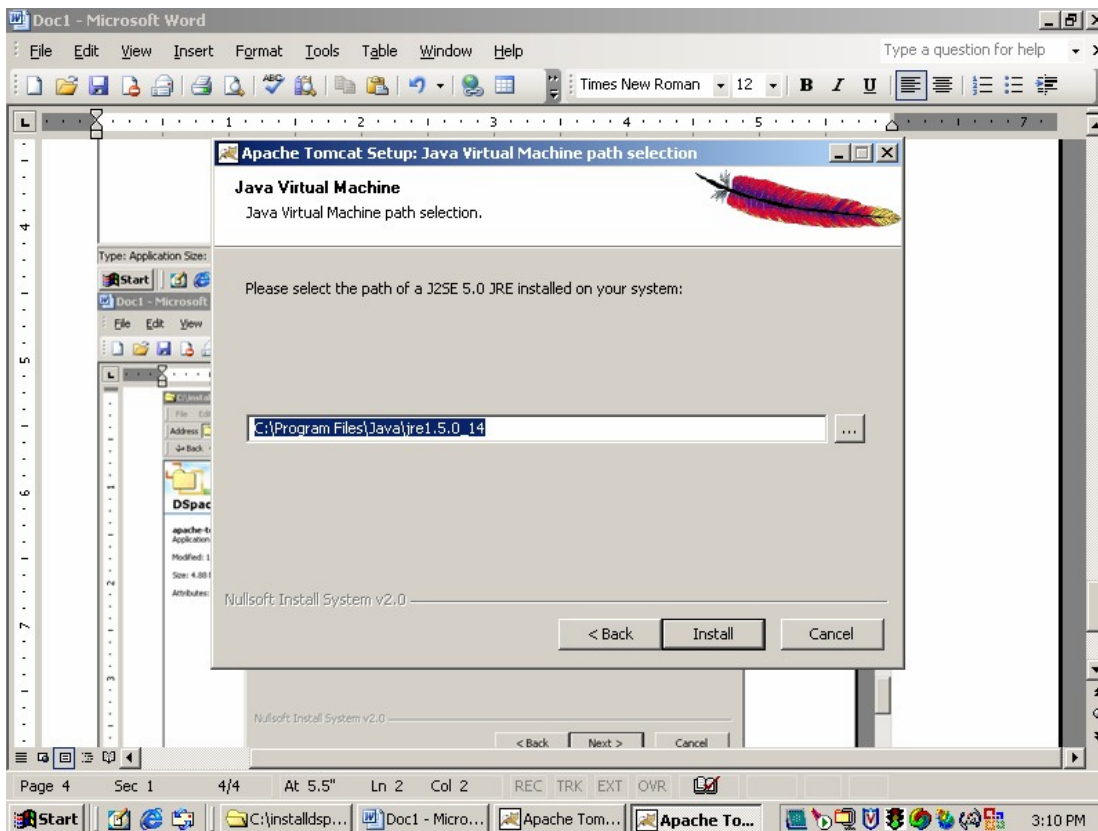
- Click the .exe file and follow instruction
- While installing, in the step shown below select the **Webapps** button
- Click Next



- In the next step , give a User Name and Password as shown below

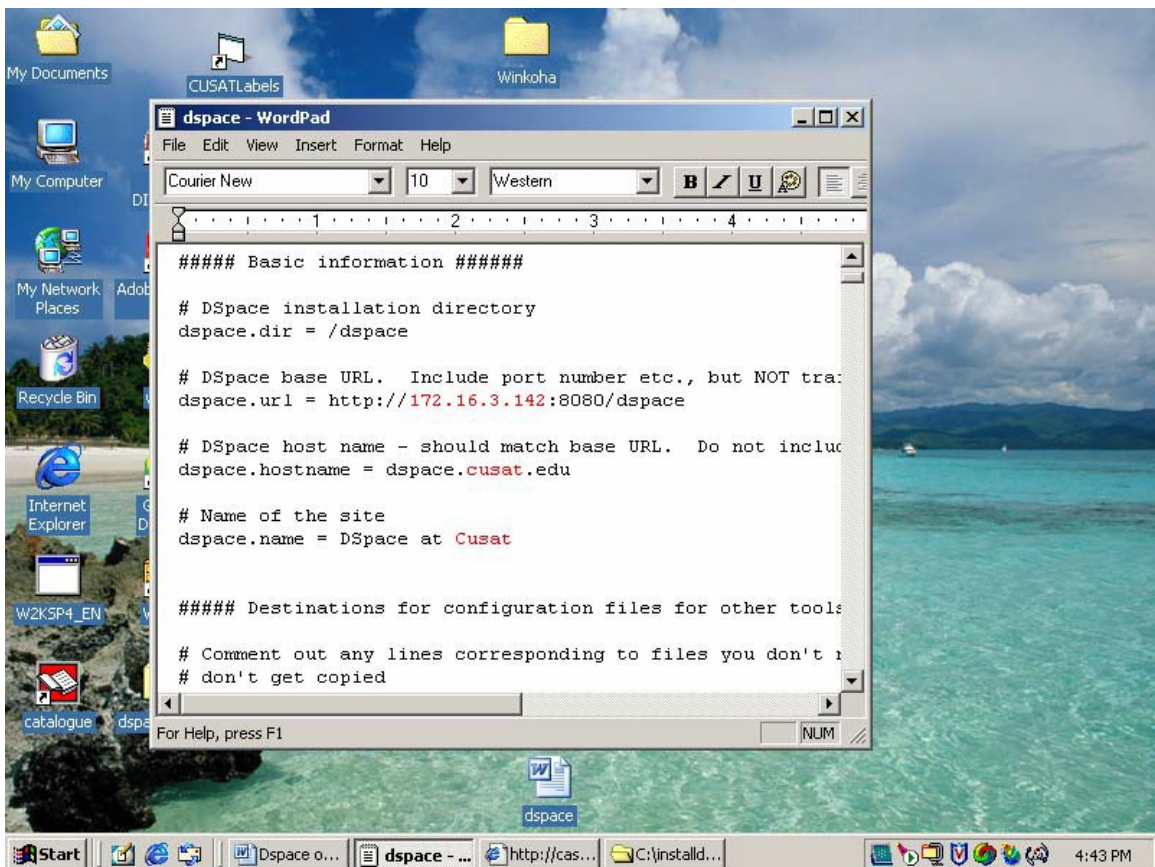


- Follow instructions and finish the installation

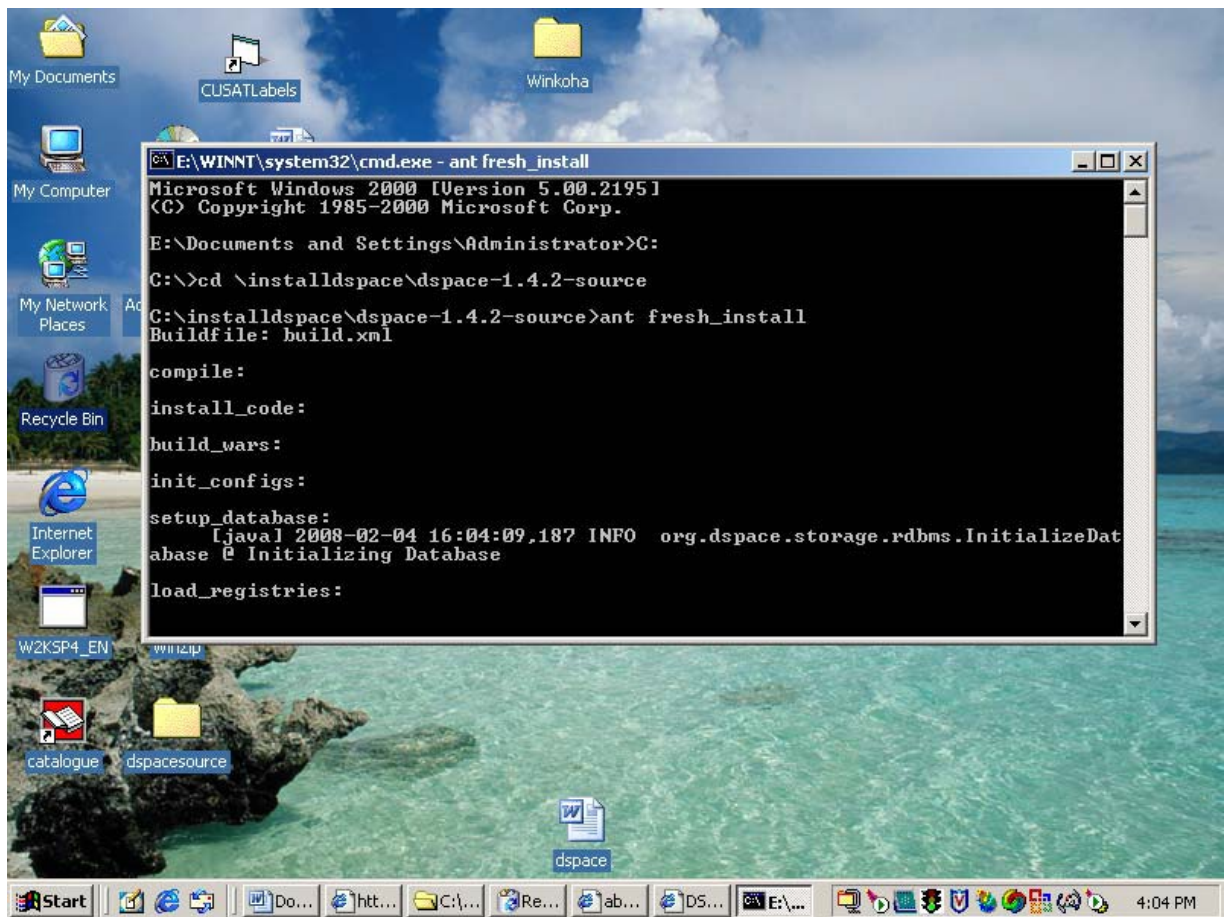


12) Compilation of Dspace

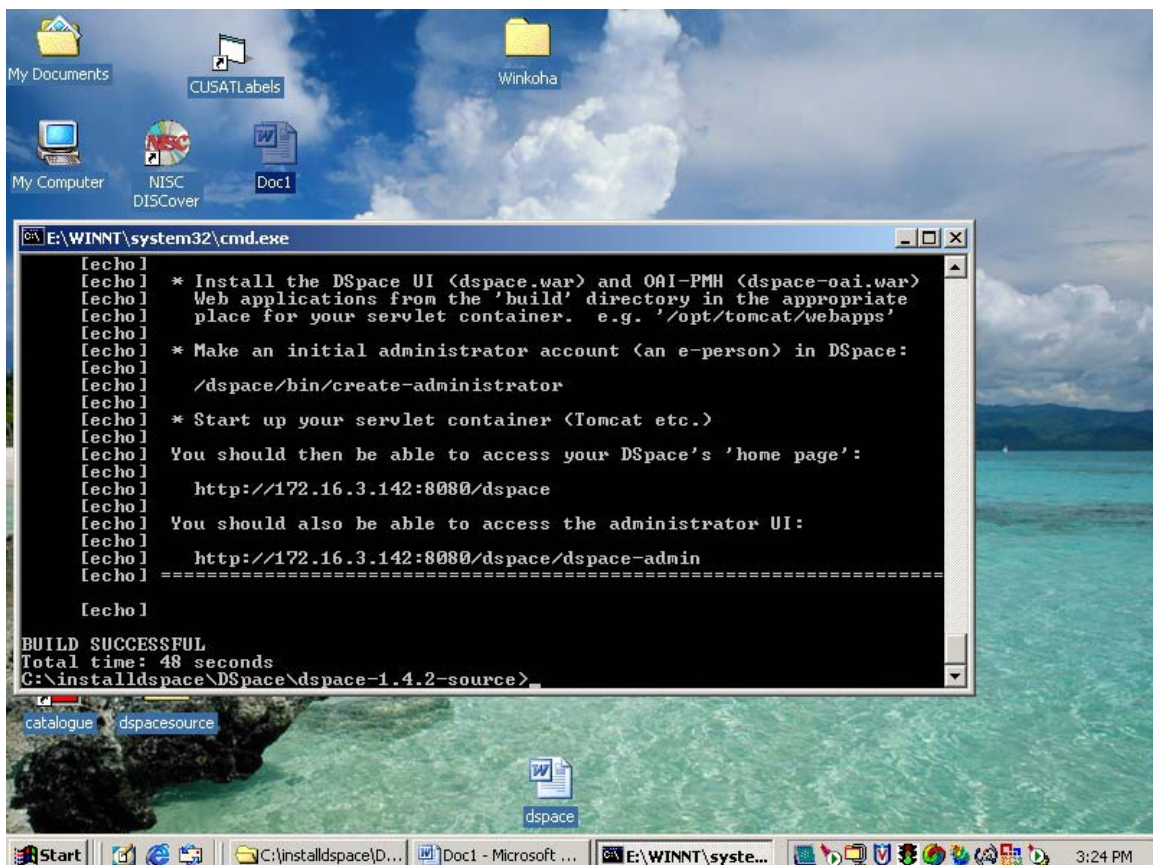
- First create a folder **dspace** in the C drive (It is in this folder the dspace is going to be compiled)
 - Unzip Dspace in “installospace” to a folder **dspace-1.4.2-source**
 - Copy PostgreSQL JDBC driver, “postgresql-8.2-506.jdbc3” from **C:\program Files\PostgreSQL\8.2\jdbc** and paste it in **C:\installospace\dspace-1.4.2-source\lib**
 - Edit the dspace-1.4.2-source \config files
 - ⌚ Open the **dspace-1.4.2-source** folder, open the **config** folder, open the **dspace.config** file using a suitable program(say Notepad/WordPad)
 - ⌚ Change the dspace.url to **http://yoursystem_ip_address:8080/dspace**(only edited the highlighted area)
- Note:- To find the ip address of your system, go to command prompt, type **ipconfig** and press enter
- ⌚ Make necessary changes as highlighted and shown below
- Save and close



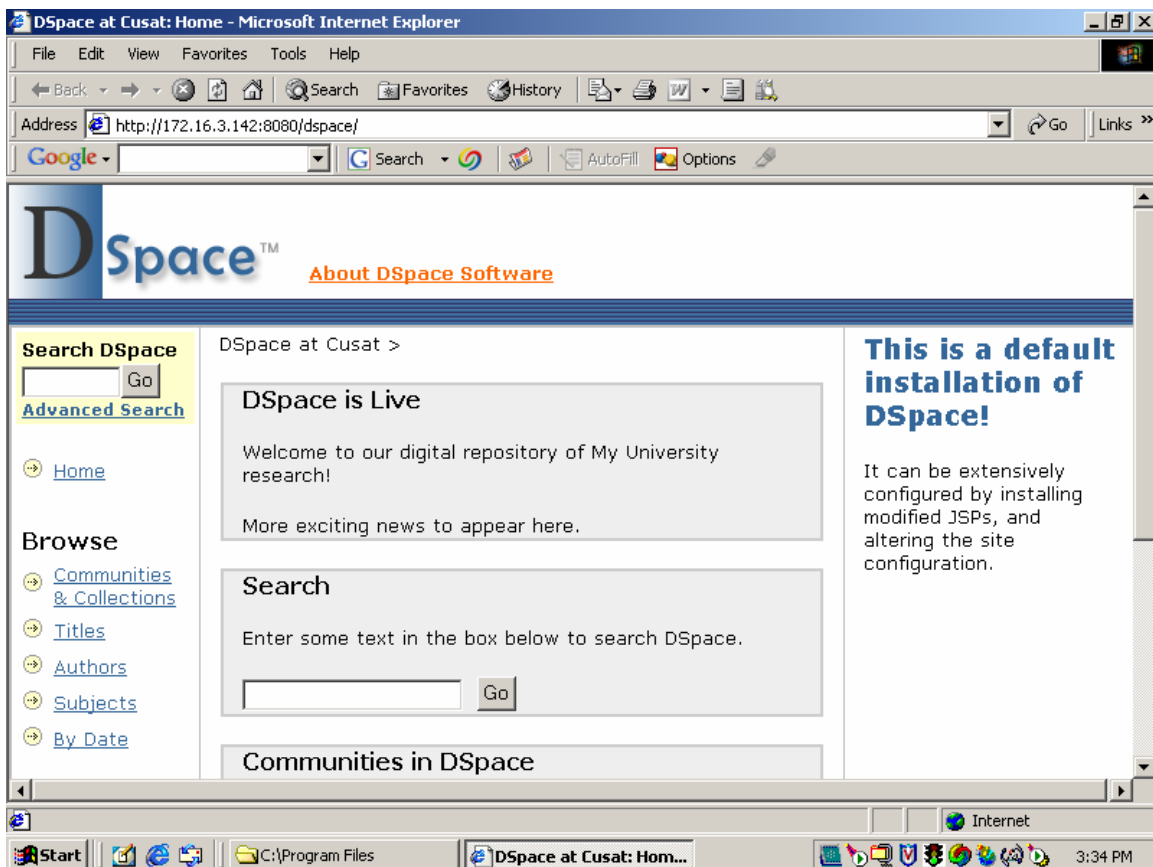
- 13) Go to command prompt and type
- ```
C:>cd \installospace\dspace-1.4.2-source Press Enter
C:\installospace\dspace-1.4.2-source>ant fresh_install Press Enter
```



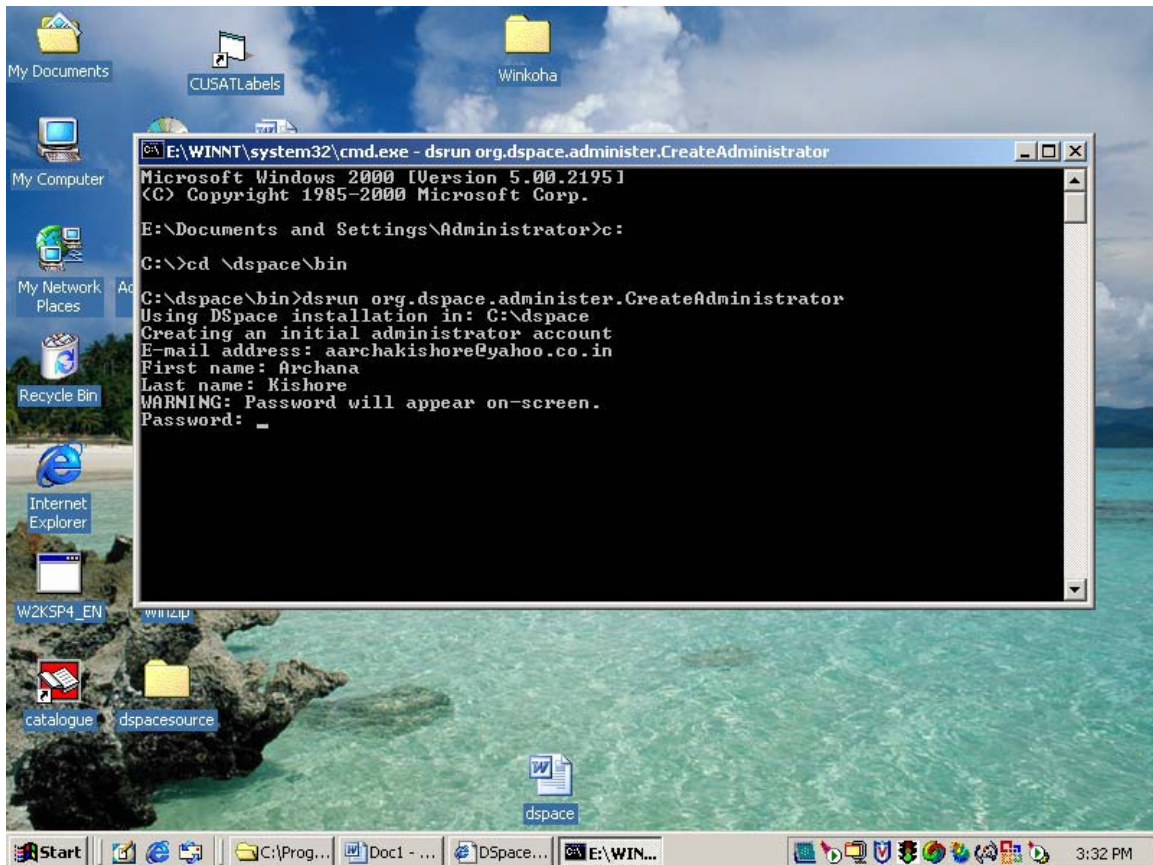
If your system shows BUILD SUCCESSFUL as seen in the screen below you win the game



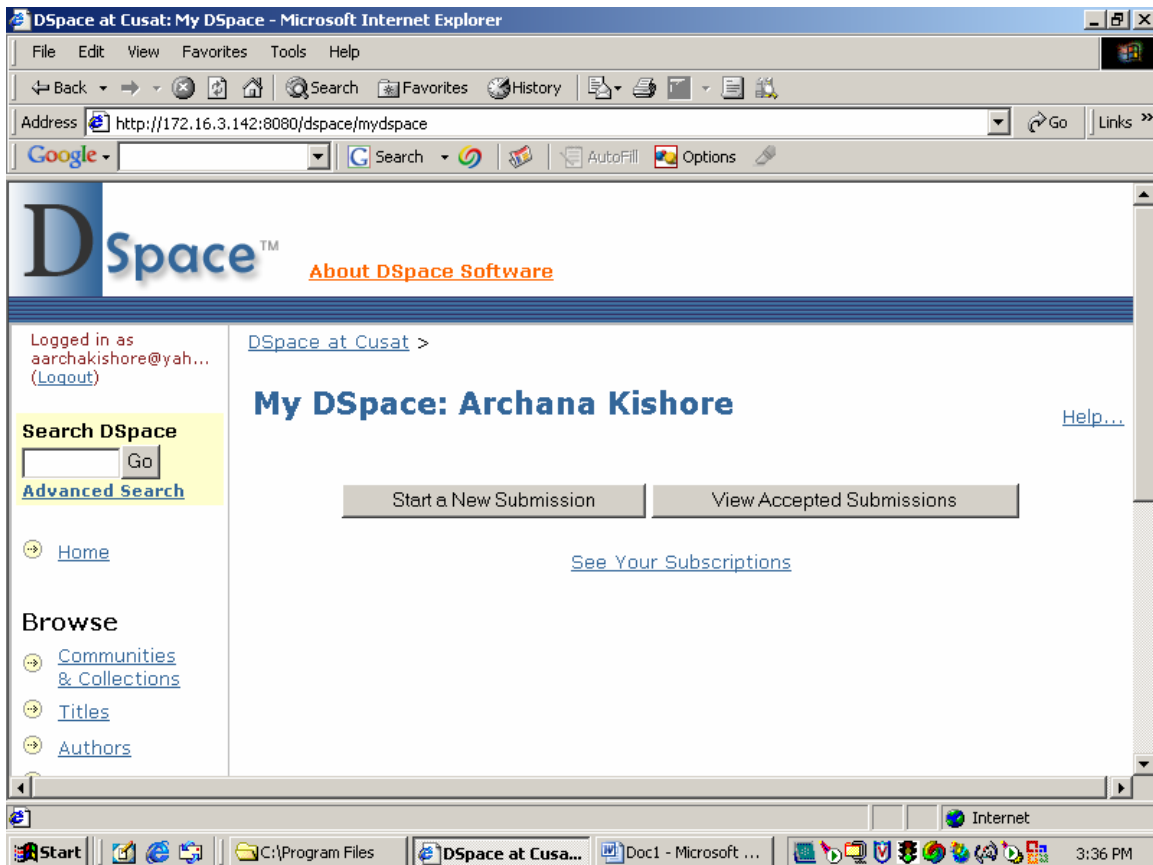
- 14) Copy WAR files (2No.s) from the **build** folder of **dspace-1.4.2-source** to **C:\ProgramFiles\Apache Software Foundation\Tomcat 5.5\webapps**
- 15) Run Apache
  - Start, Programs, Apache Tomcat5.5,click “Monitor Tomcat”
  - You will get an icon in your taskbar. Right click it, click “Start service”
- 16) Go to Internet Explorer
  - Type **http://your\_ip\_address:8080/dspace/**
  - You will get



- 17) Create Administrator Account
  - Go to command prompt
  - Change directory to **cd \dspace\bin**
  - Type **dsrun org.dspace.administer.CreateAdministrator**
  - Enter a valid **e-mail id** and **password**



- Go to DSpace page, click My Dspace, **Enter e-mail id and password**
- You will get



THANKYOU  
TRY IT OUT