# Pre-production configuration report

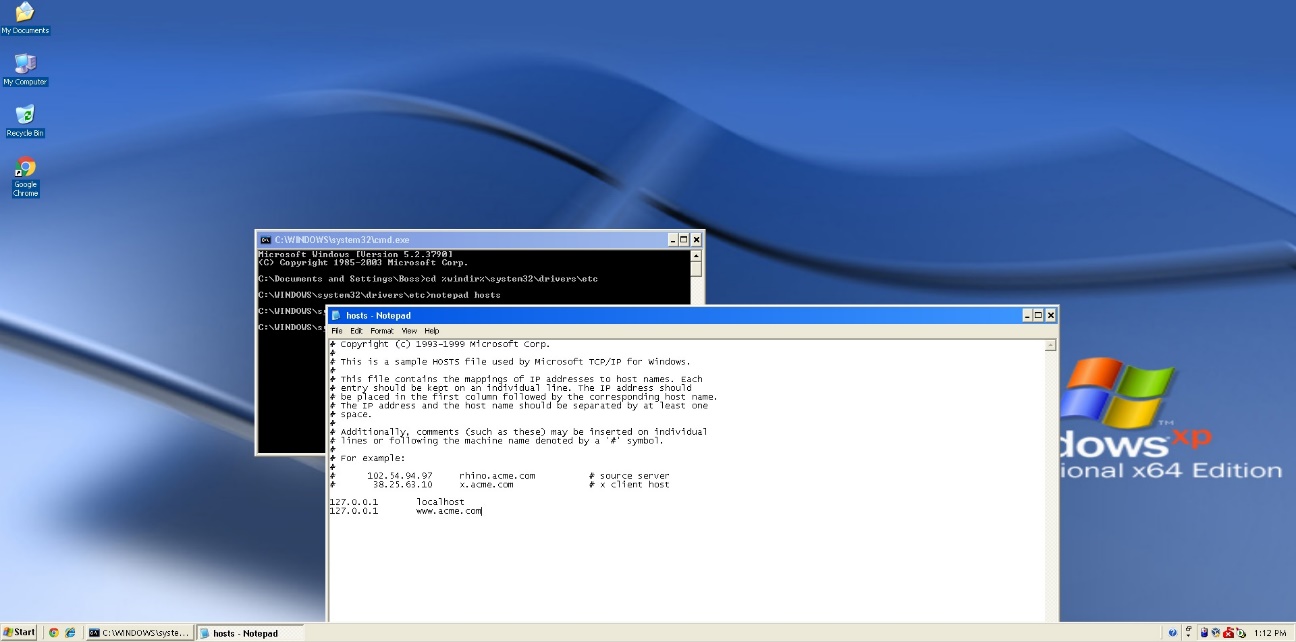
This document will describes detail all the necessary steps for the deployment of our application.

1. **DNS Configuration**

In first place, we must configure the DNS of the “Pre-production” virtual machine like in the screenshot.

We need use using the following commands:

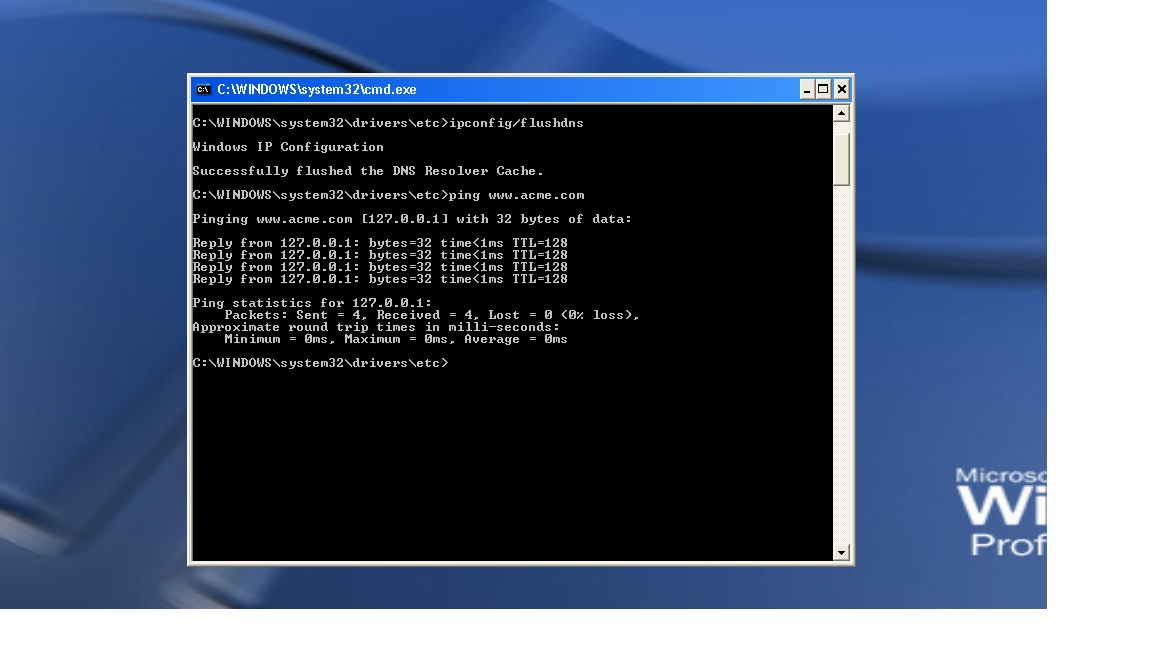
- cd %windir%\system32\drivers\etc

- notepad hosts

1. **Reflesh DNS cache**

When the first step is fulfilled, we must reflesh the DNS cache.

We have use the command ipconfig /flushdns or the change won’t carry out properly.



1. **Creation of Database creation script**

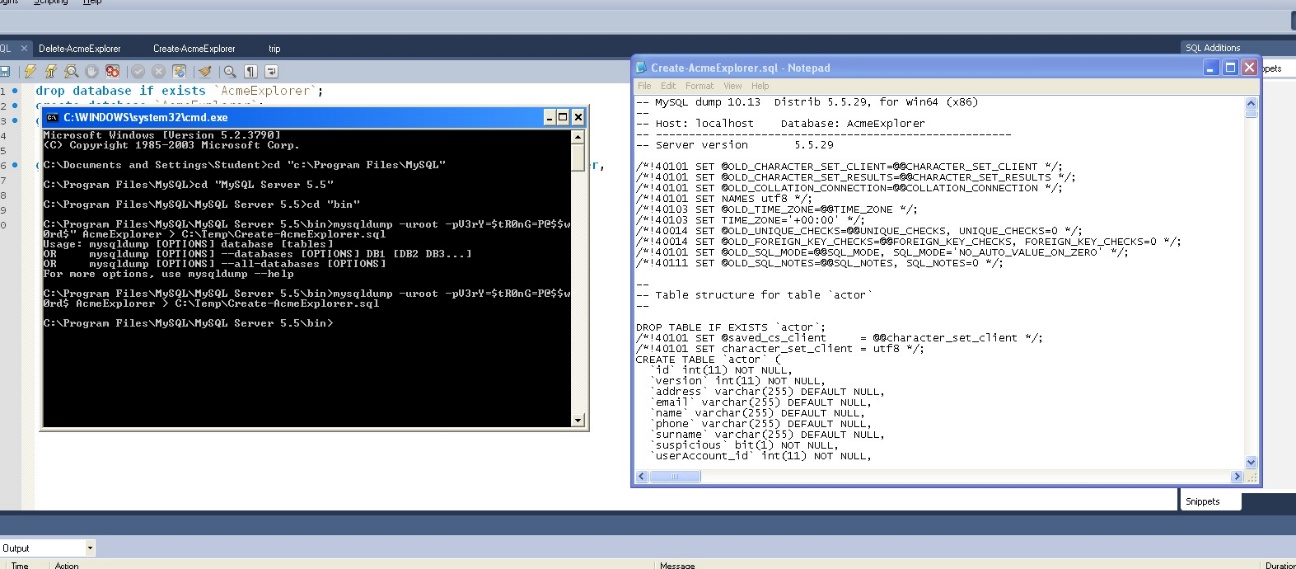
Now we will create the script that will that will create our database with all its tables and data. We must use the next commands at the “Developer” virtual machine.

> cd "c:\Program Files\MySQL"

> cd "MySQL Server 5.5"

> cd "bin"

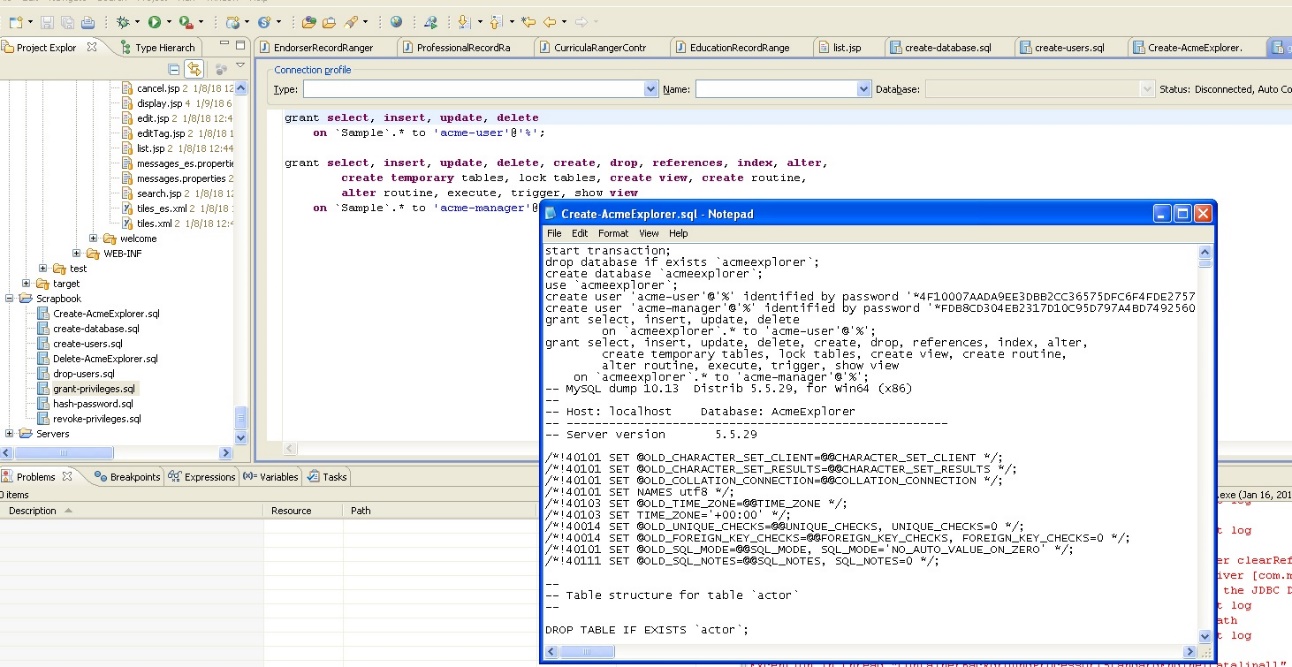
> mysqldump -uroot -pV3rY=$tR0nG=P@$$w0rd$ AcmeExplorer > C:\Temp\Create-AcmeExplorer.sql



1. **Complete the Database creation script**

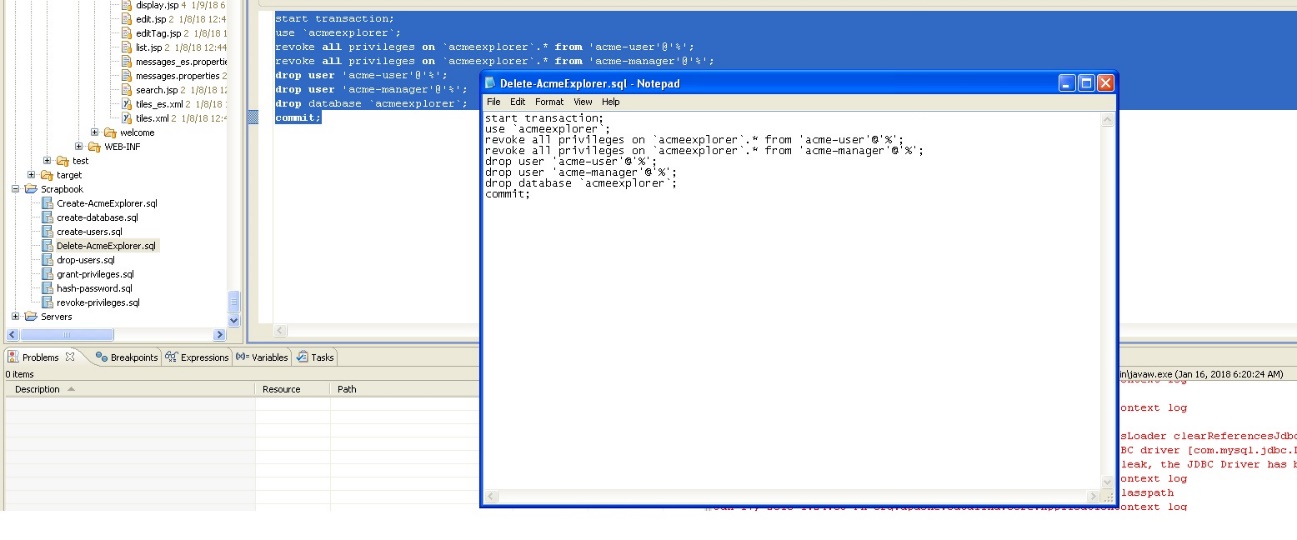
Now we must complete the generate script. We need add the scripts, that are in the Scrapbook folder, like create-users, grant-privileges and create-database.

Do not forget to purge the script and remove all the unnecessary data, remove all the statements that insert them into the database.



1. **Creation of delete database script**

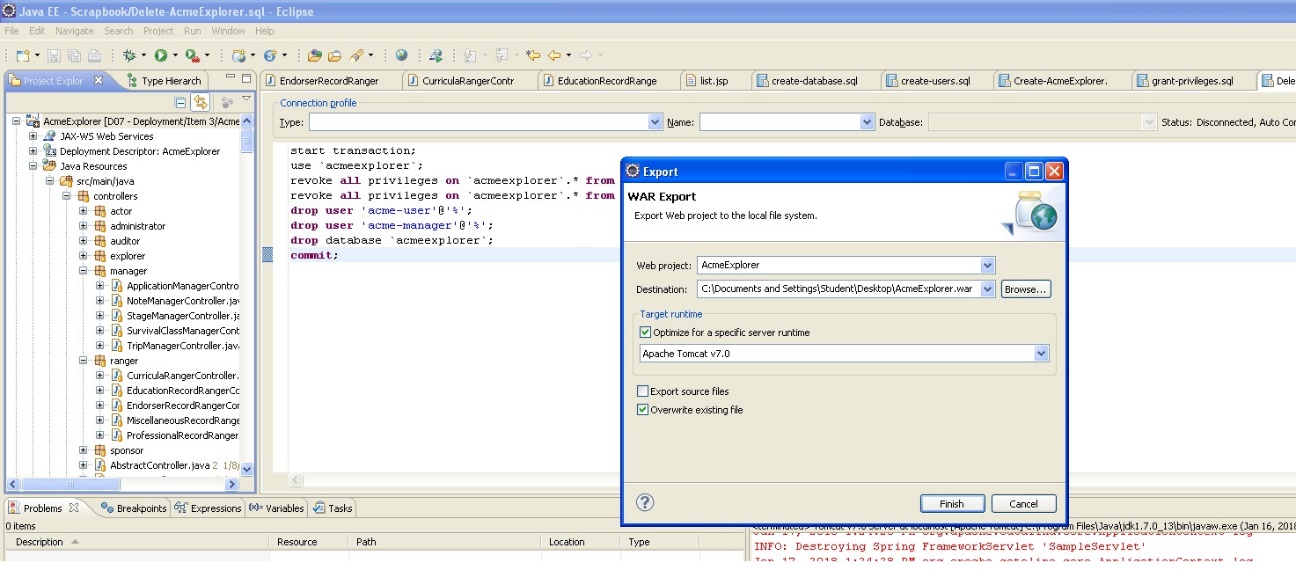
In the case that is necessary remove the database from the server, we must use the following scrip.



1. **Create War artefact**

The last item that we need is the war artefact which contain our web application.

We only have to export the project like a war artefact and optimize it for Apache Tomcat v7.0

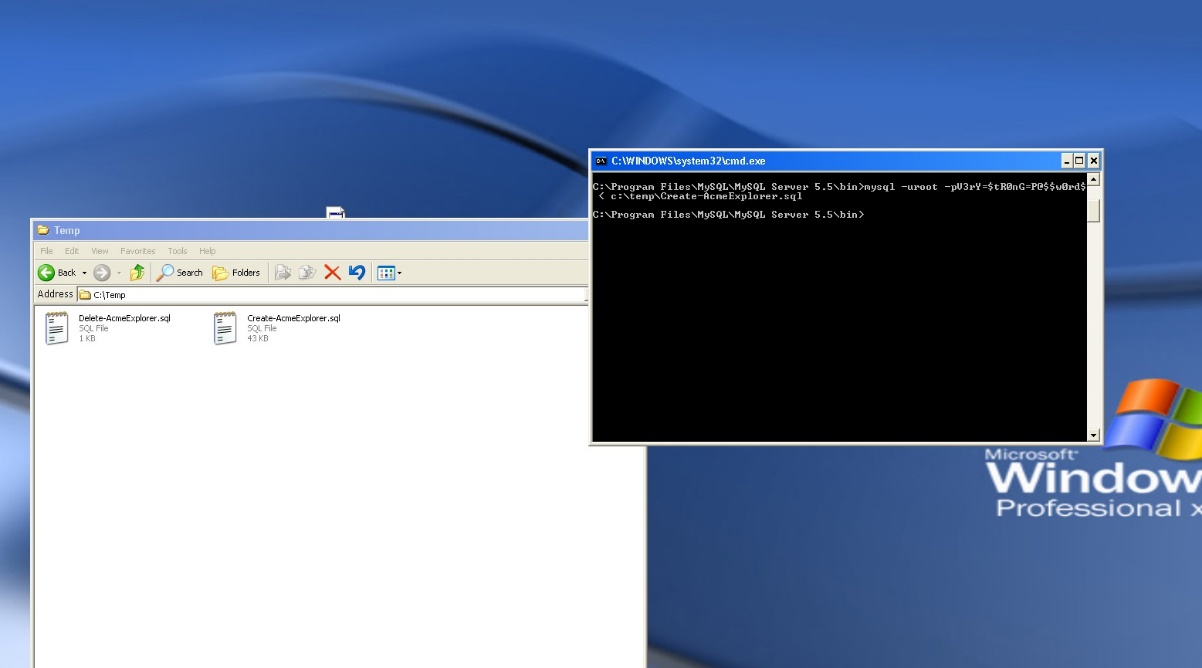


1. **Execution the Scripts**

Now its time to change to the “Pre-production” virtual machine and execute the scripts with the following command:

mysqldump -uroot -pV3rY=$tR0nG=P@$$w0rd$ AcmeExplorer < C:\Temp\Create-AcmeExplorer.sql

Remember that you need to be at the MySQL’s bin directory before use the command.

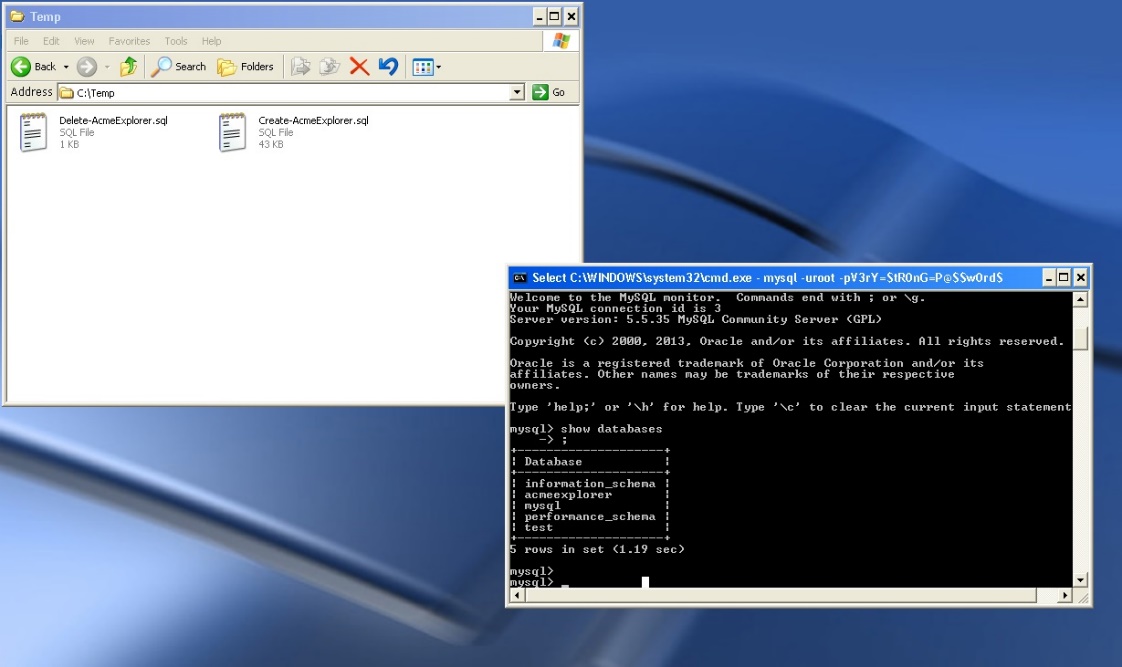


1. **Test the database creation**

We must open a MySQL shell with the command:

mysq -uroot -pV3rY=$tR0nG=P@$$w0rd$

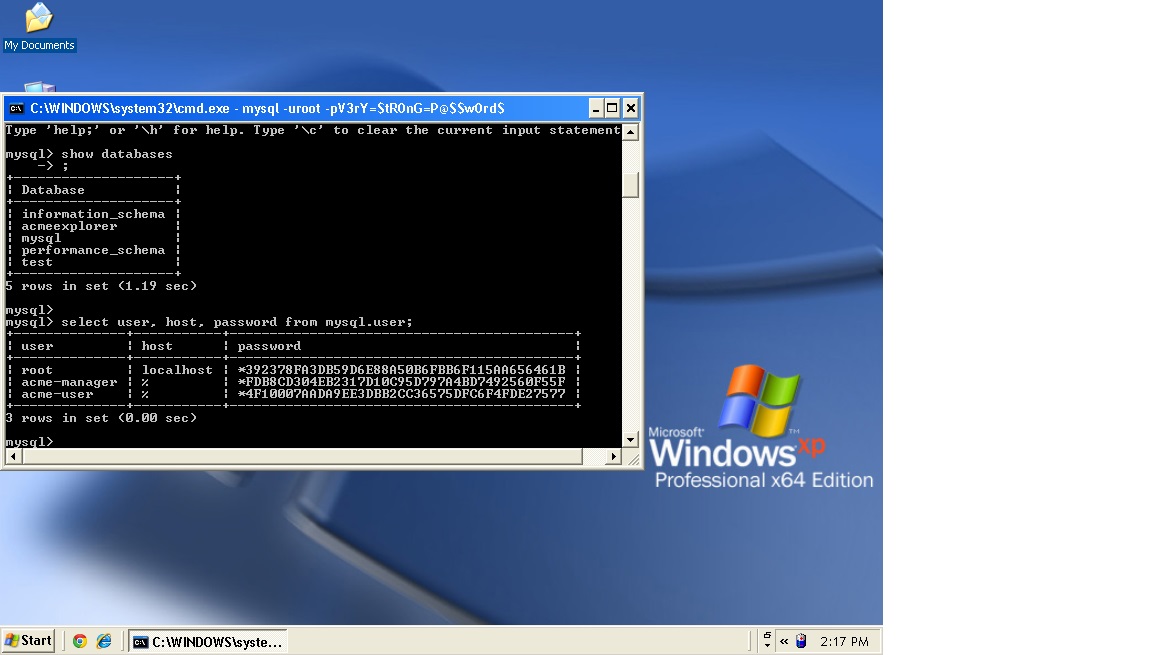
After that we use the command “show databases”, this will return the list of all server’s databases.



1. **Verify the users list**

In the same shell of the last step we use the command

Select user,host,password from mysql.user;

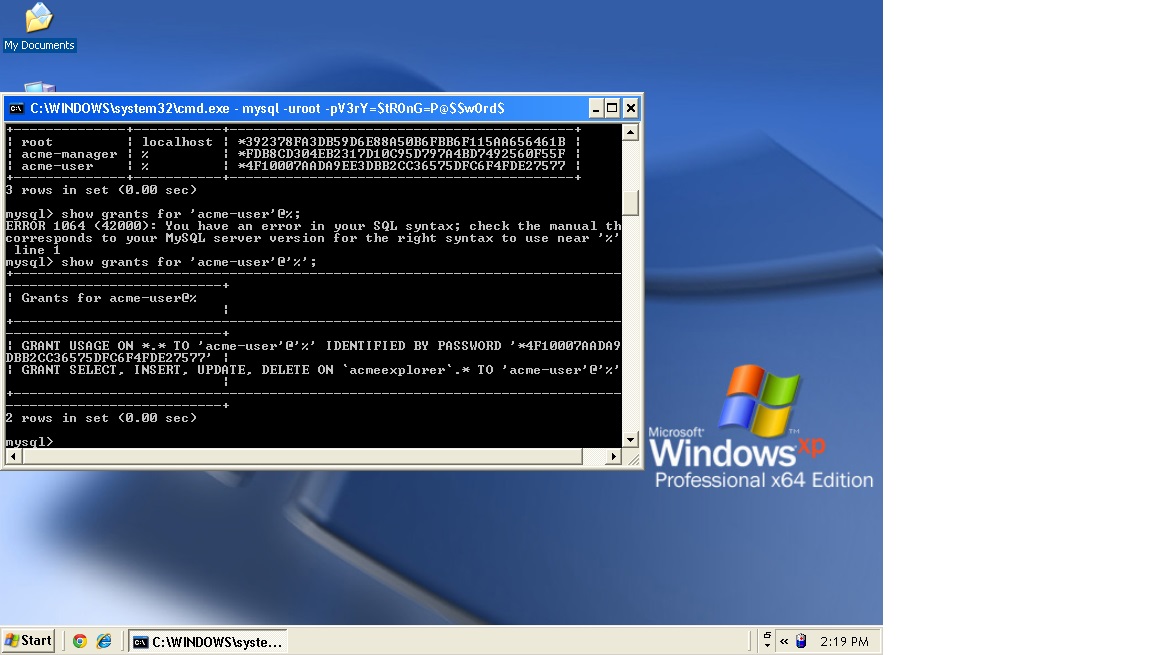


1. **Verify the privileges**

Only use the command:

Show grants for ‘acme-user’@’%’;

This will give all the privileges that one user have in the database



1. **Deploying the application**

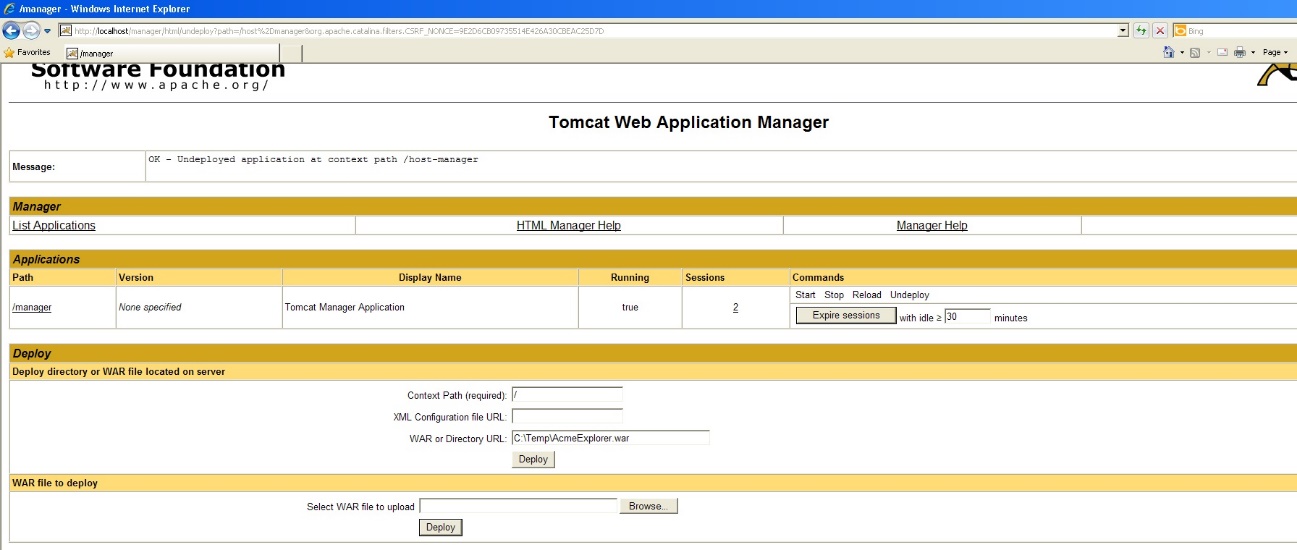
Now we have to access the Tomcat server through <http://localhost/manager> URL. Then we must authenticate with the administrato’s credentials:

User:Admin

Password: T0Mc@T=Adm1n1$trat0R

Then we must remove all the unnecessary applications and only preserve “/manager”.

After that only deploy the application like in the screenshot.



1. **Check the deployement**

If everything went well, we can access our application through <http://www.acme.com>, [www.acme.com](http://www.acme.com) or <http://localhost> but the last 2 are only possible because we have configurated it in the first step.

We can use the Chrome browser like in the following screentshot.

