

# **COSTOS V**

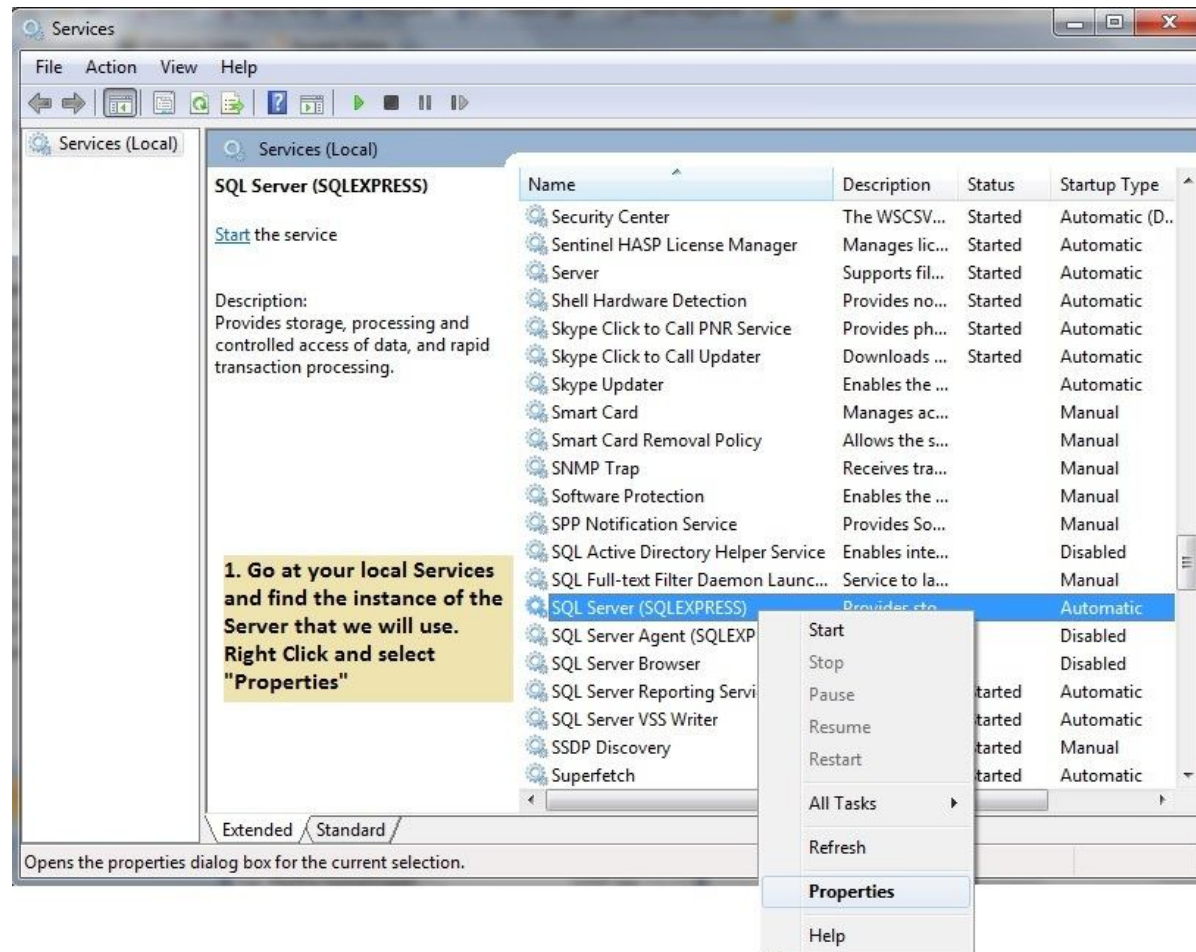
## **Enterprise Server**

### **Installation Guide**

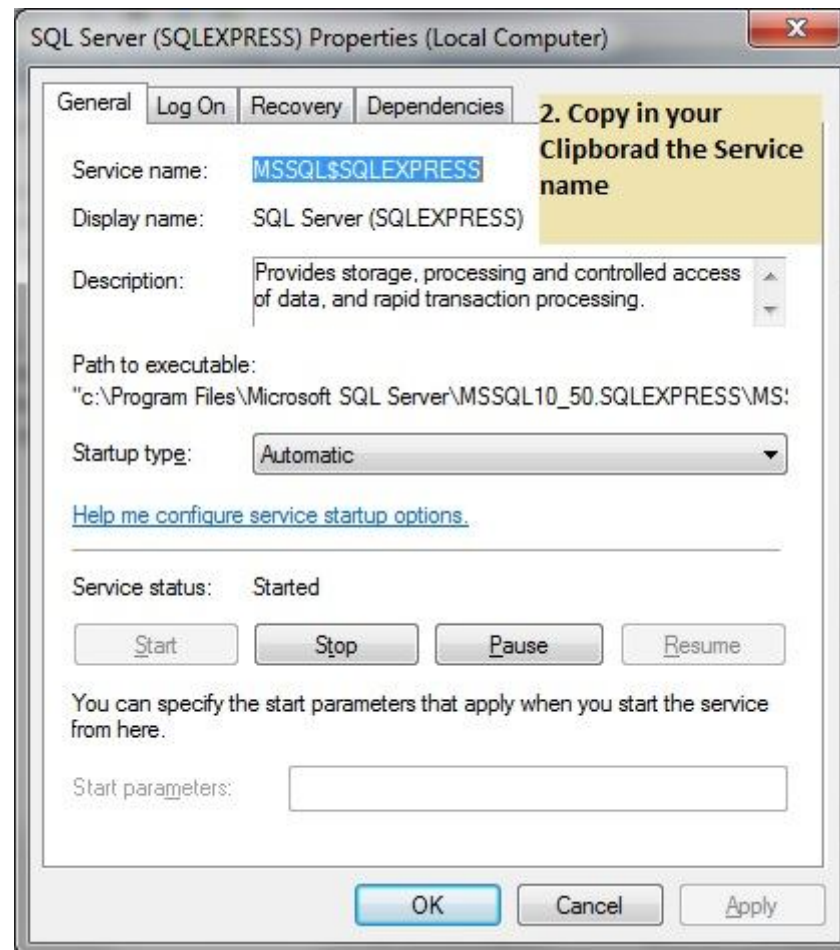
When SQL Server and CostOS Server  
run in the same machine

- Before start with the following steps, please save CostOS folder that you are provided with, in C: drive.

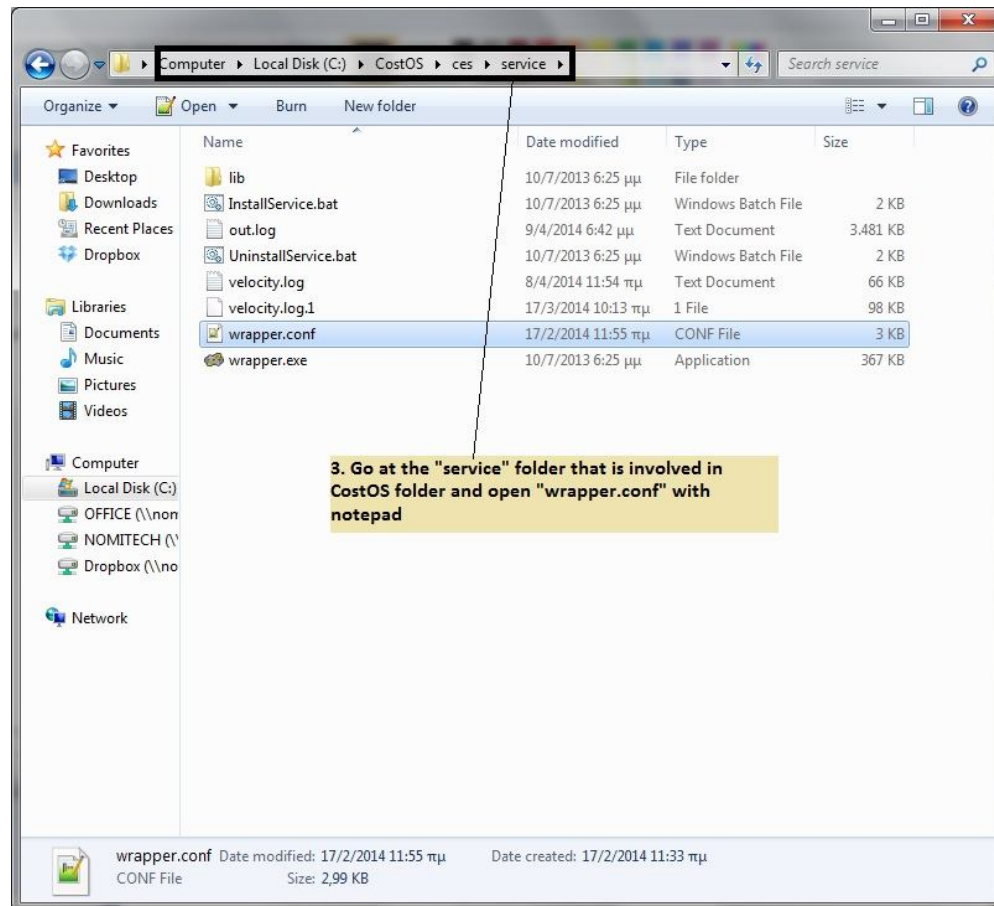
# Step 1



# Step 2



# Step 3



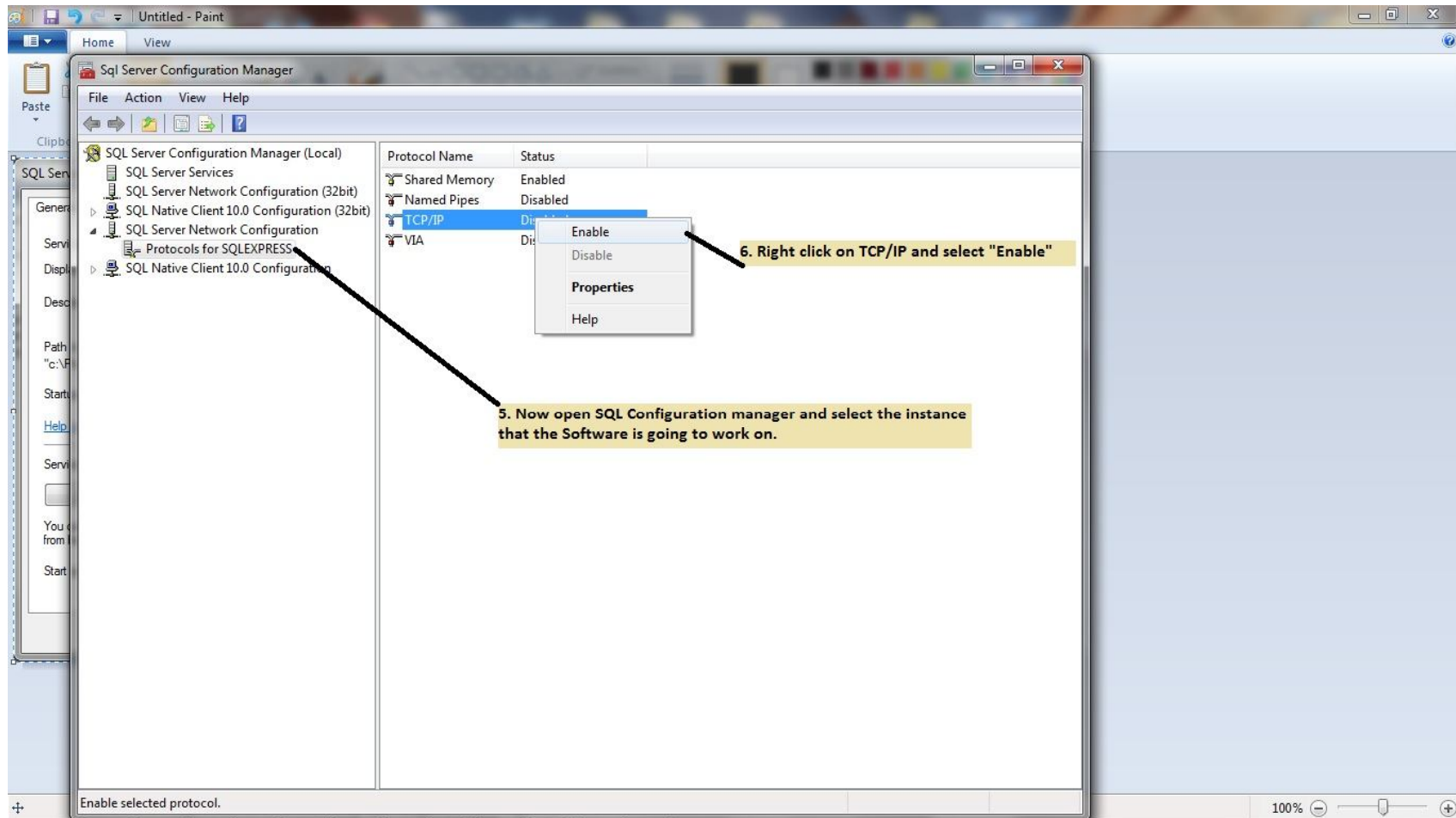
# Step 4

```
30 wrapper.java.additional.6=-XX:PermSize=64M
31 wrapper.java.additional.7=-XX:MaxPermSize=256M
32 wrapper.java.additional.8=-XX:+UseParallelGC
33 wrapper.java.additional.9=-Dcom.sun.management.jmxremote=true
34 wrapper.java.additional.10=-Djavax.management.builder.initial=org.jboss.system.server.jmx.MBeanServerBuilderImpl
35 wrapper.java.additional.11=-Djboss.platform.mbeanserver
36 wrapper.java.additional.12=-Dcom.sun.management.jmxremote=true
37 wrapper.java.additional.13=-Dcom.sun.management.jmxremote.port=13095
38 wrapper.java.additional.14=-Dcom.sun.management.jmxremote.authenticate=false
39 wrapper.java.additional.15=-Dcom.sun.management.jmxremote.ssl=false
40
41 #wrapper.java.additional.9=-Dsun.xml.dgc.client.gcInterval=3600000
42 # If you need serialization support
43 #wrapper.java.additional.10=-Dsession.serialization.jboss=true
44
45 wrapper.app.parameter.1=org.jboss.Main
46 # Parameters to be passed to the application (Jboss)
47 # Define server name (configuration) - If you need a config that is different than the "default" or need to run multiple configs
48 wrapper.app.parameter.2=-b0.0.0.0
49 # Define listening IP - If you have more than one IP or want to indicate to listen on a specific IP
50 wrapper.app.parameter.3=-cdefault
51 # wrapper log location
52 wrapper.logfile=C:/CostOS/ces/service/out.log
53
54 # You must not change below parameters without first uninstall the service
55 # service name
56 wrapper.ntservice.name=CostOS
57 # service display name
58 wrapper.ntservice.displayName=Nomitech CostOS
59
60 # Service dependencies. Add depended as needed starting from 1
61 wrapper.ntservice.dependency.1=MSSQL$SQLEXPRESS
62
63 # Mode in which the service is installed. AUTO_START or DEMAND_START
64 wrapper.ntservice.starttype=AUTO_START
```

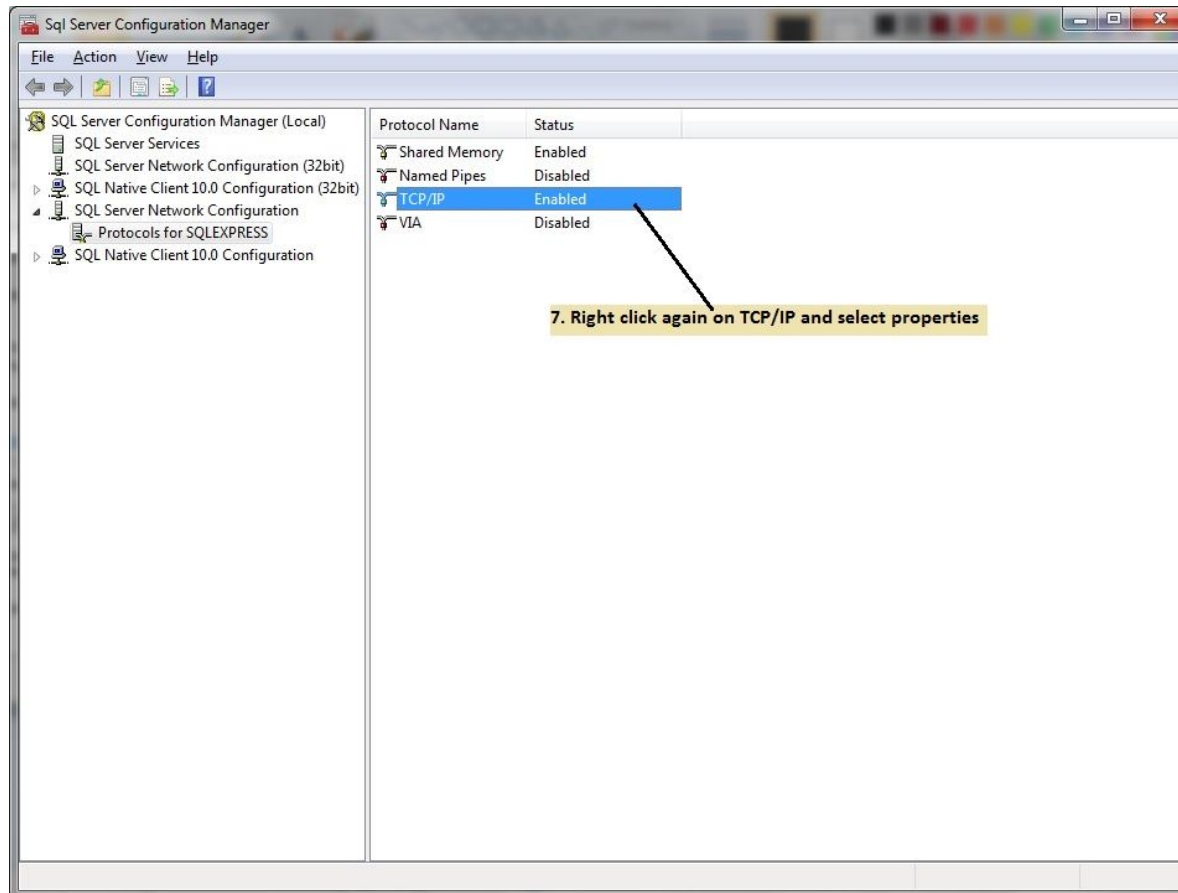
4. Search for "wrapper.ntservice.dependency.1 = ....." and replace with the name that we copied before.

Normal text file      length: 3063 lines: 64      Ln: 61 Col: 32 Sel: 16 | 0      Dos\Windows      ANSI as UTF-8      INS

# Step 5

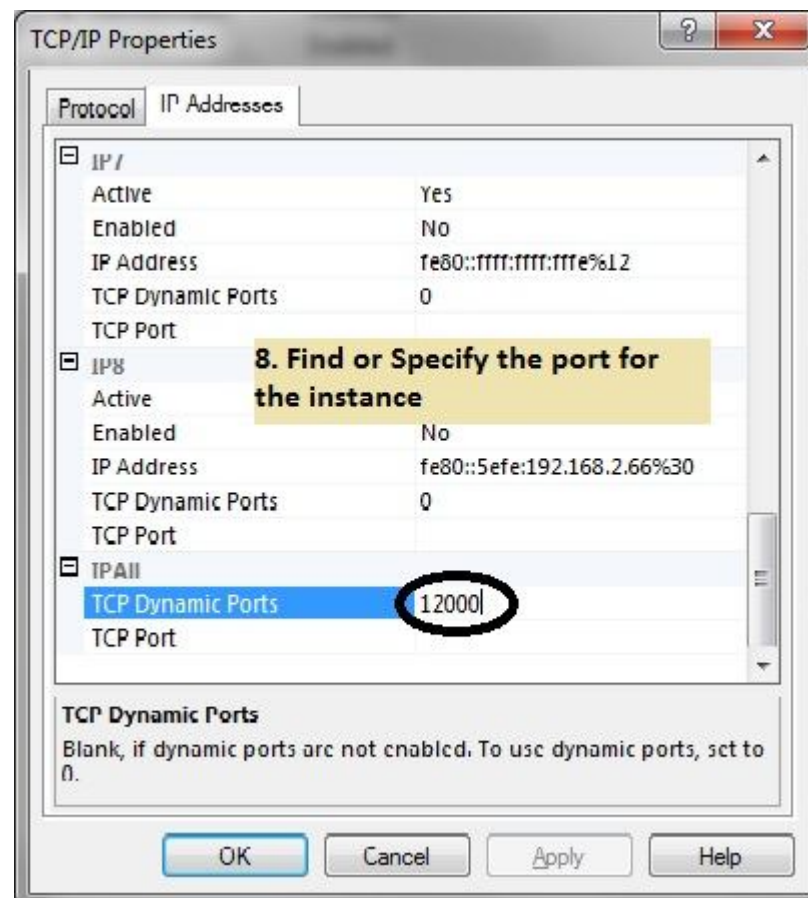


# Step 6





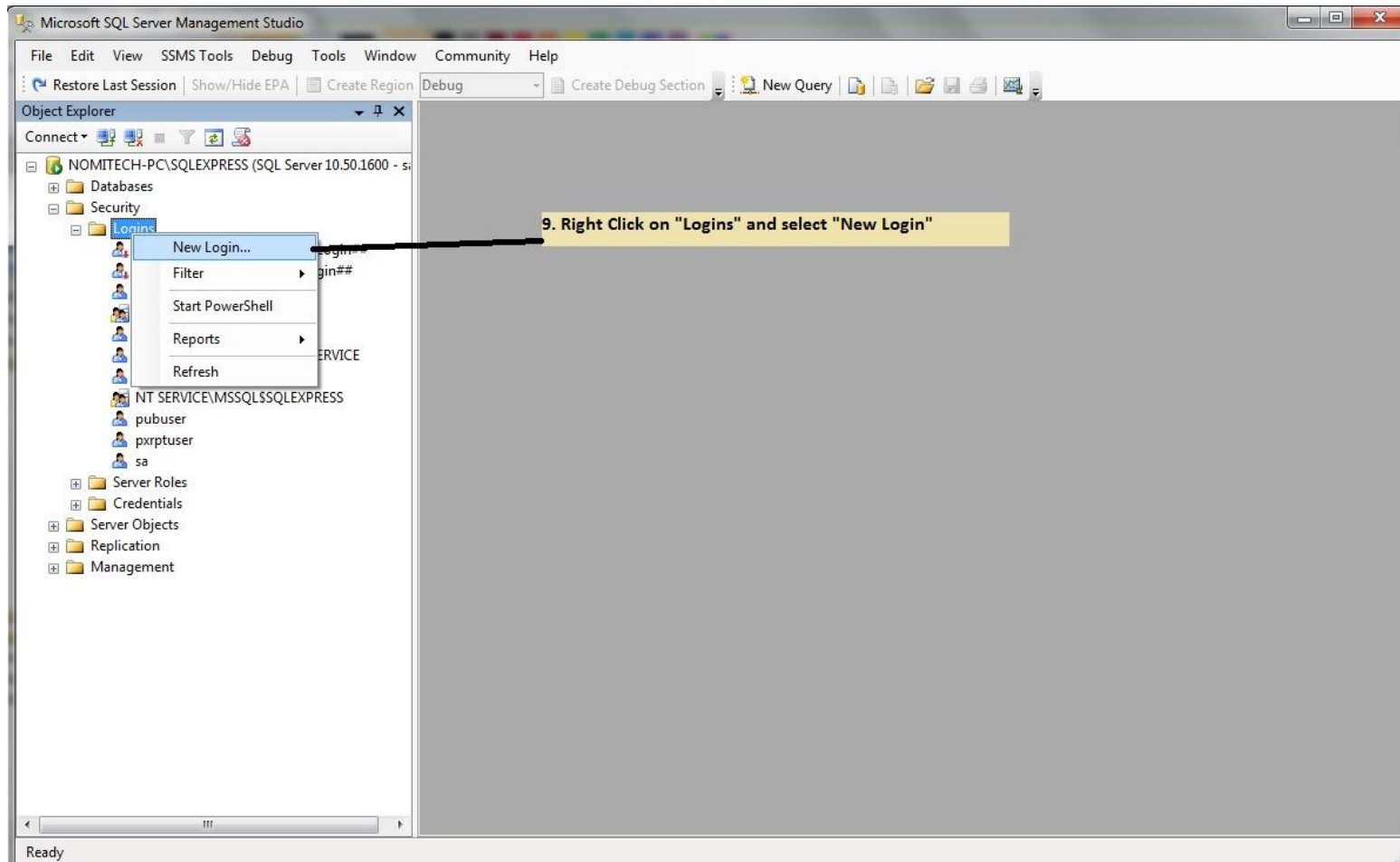
# Step 7



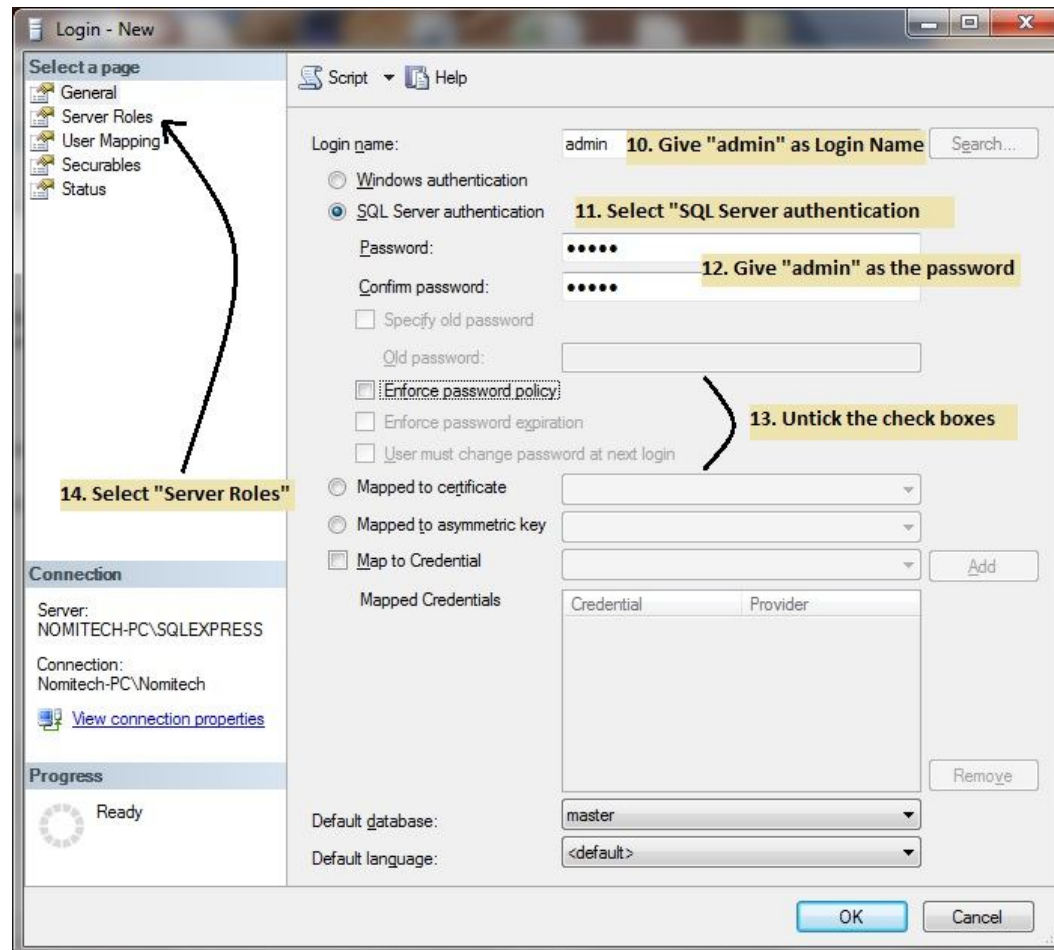
# Step 8 – Open SQL Server Management Studio



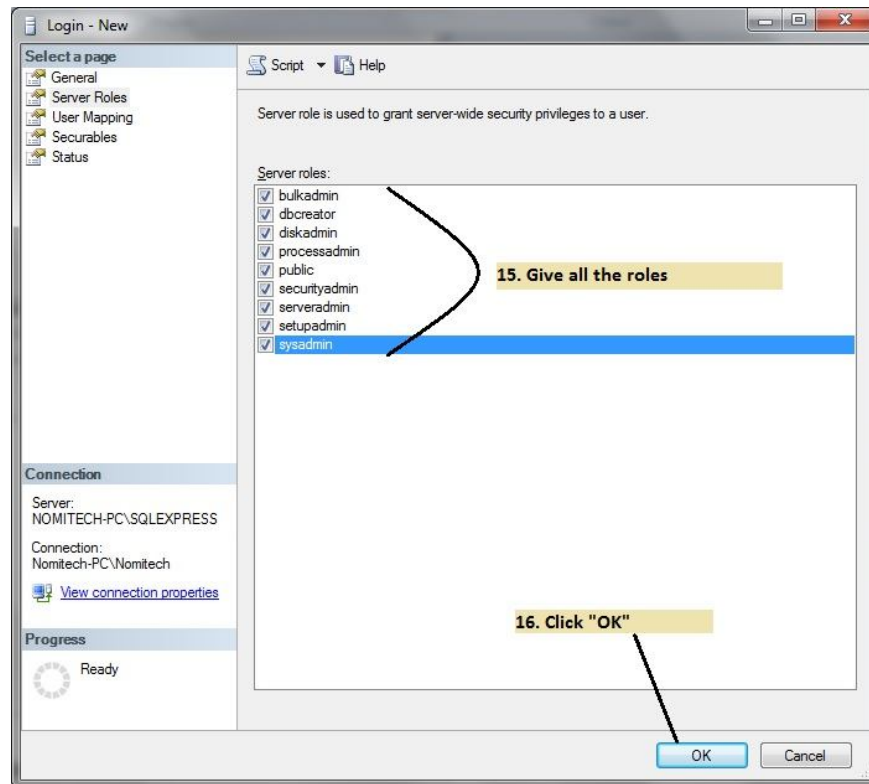
# Step 9



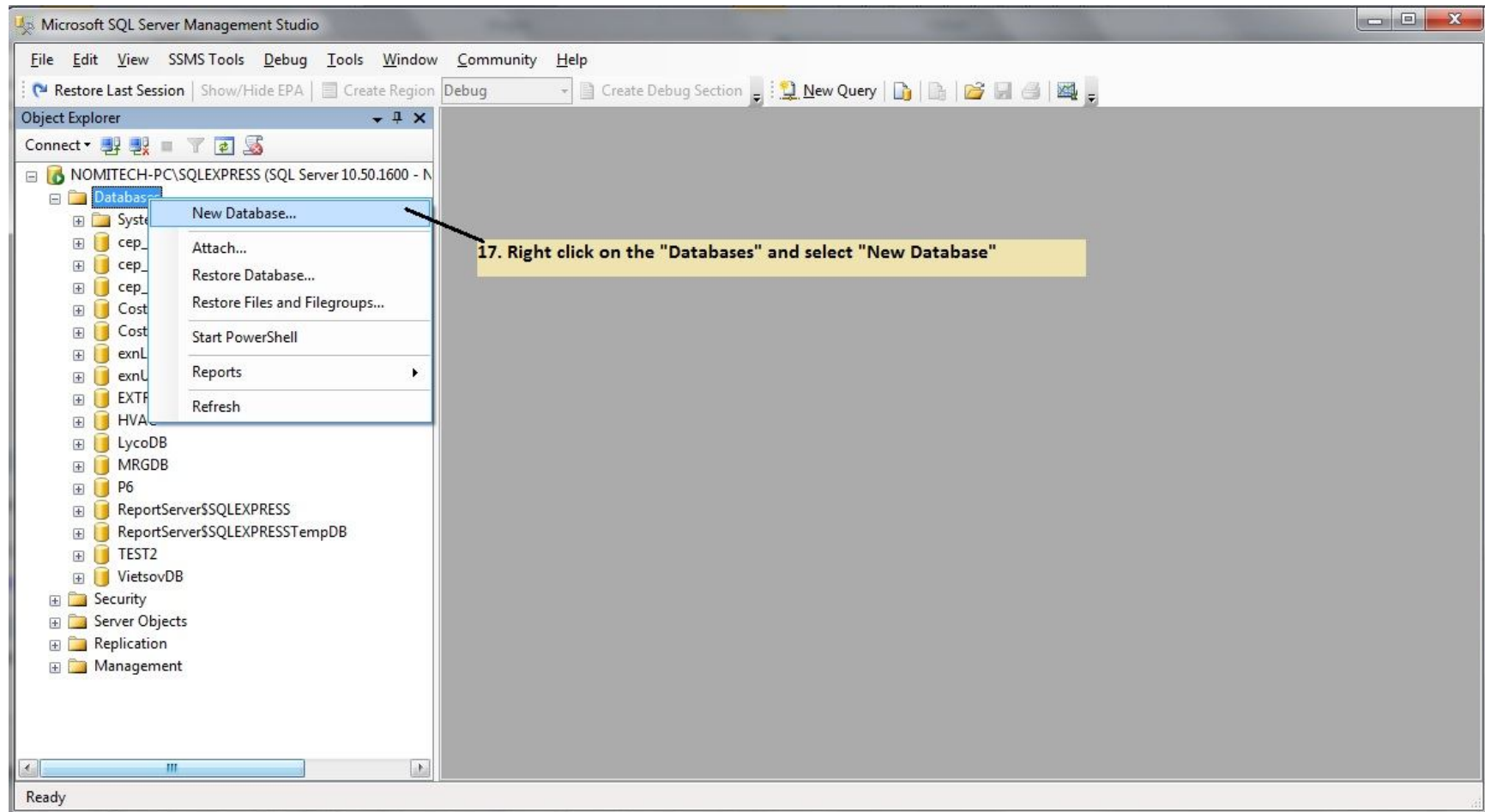
# Step 10



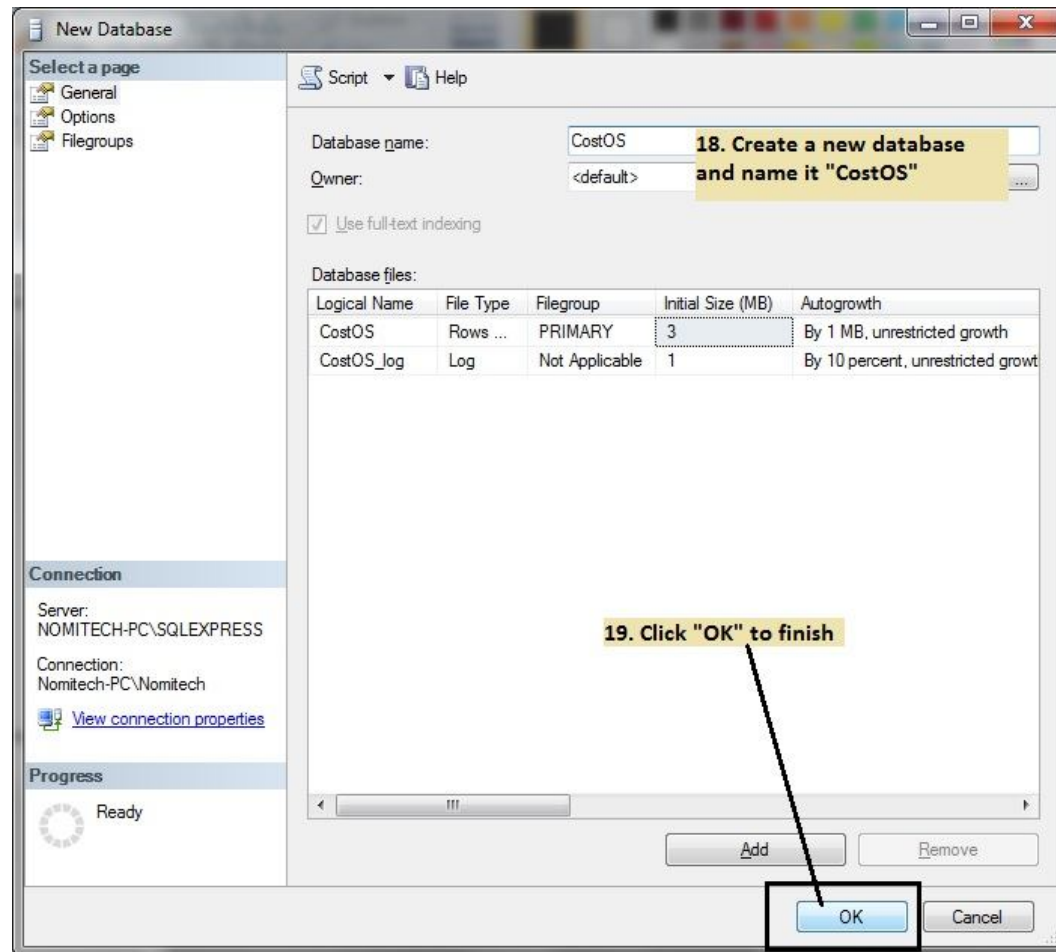
# Step 11 – You can give all the roles, as the below image shows you, or only “sysadmin”, “public” and “dbcreator”



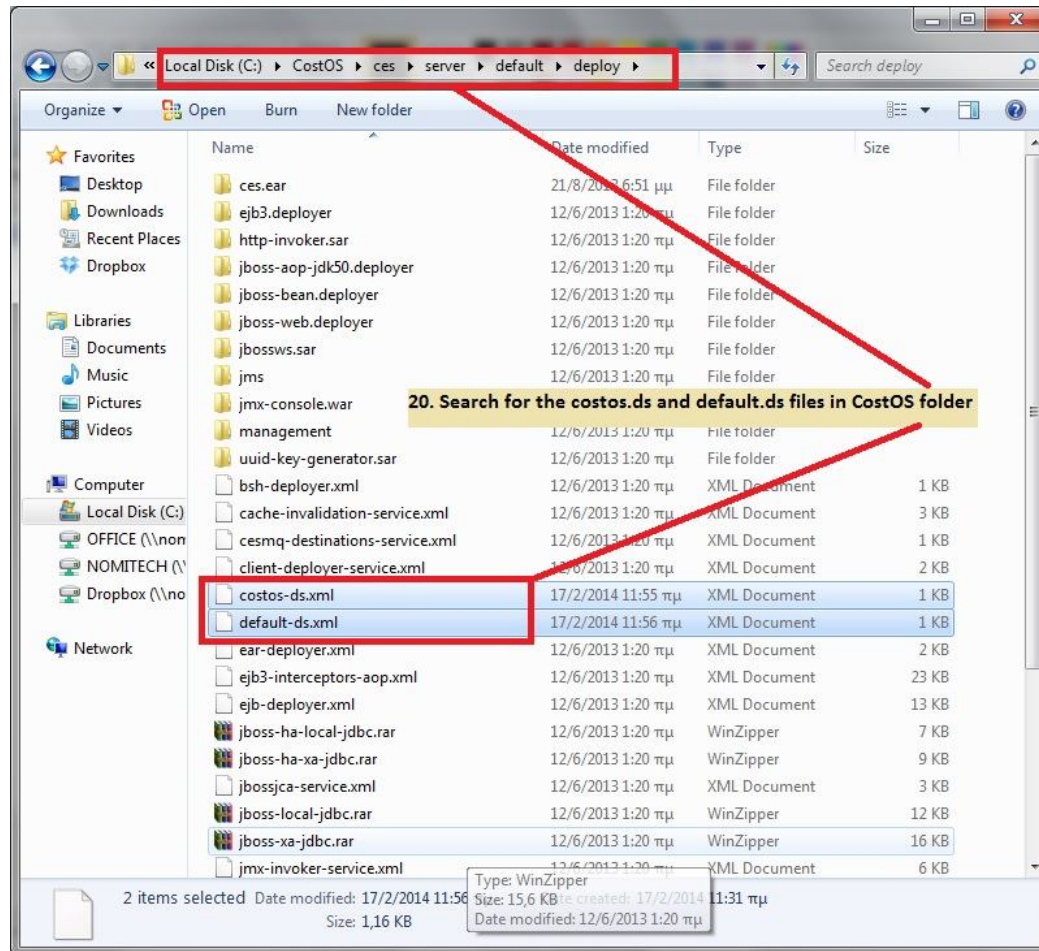
# Step 12



# Step 13



# Step 14





# Step 15 – Edit both files **costos-ds** and **default-ds**, as below.

# Step 16

```
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <!-- The MS SQL Server database JCA connection factory config
4 $Id: hsqldb-ds.xml,v 1.15 2004/09/15 14:37:40 loubyansky Exp $ -->
5
6
7 <datasources>
8   <local-tx-datasource>
9     <jndi-name>DefaultDS</jndi-name>
10    <connection-url>jdbc:jtds:sqlserver://localhost:12000:databaseName=CostOS</connection-url>
11    <driver-class>net.sourceforge.jtds.jdbc.Driver</driver-class>
12    <user-name>admin</user-name>
13    <password>admin</password>
14    <metadata>
15      <type-mapping>MS SQLSERVER2000</type-mapping>
16    </metadata>
17  </local-tx-datasource>
18 </datasources>
19
```

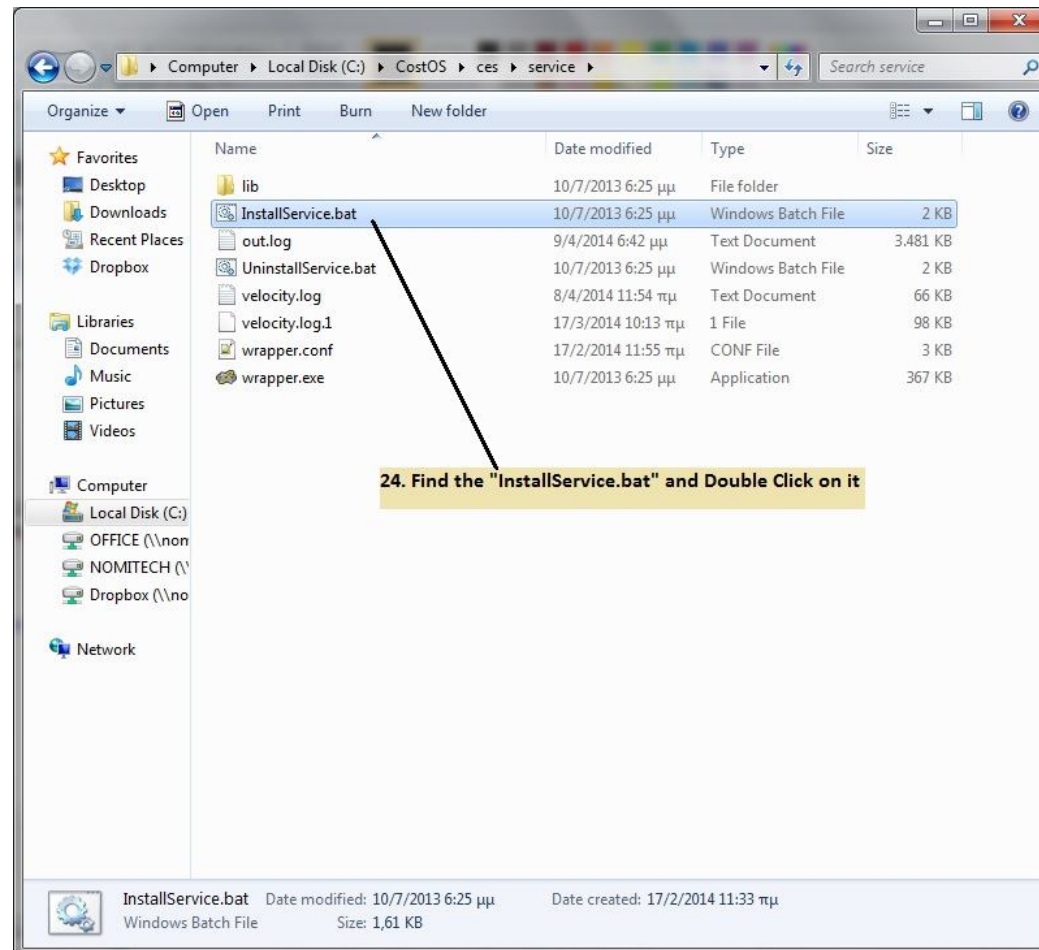
Function List

- default-ds.xml
  - ?xml version="1.0"

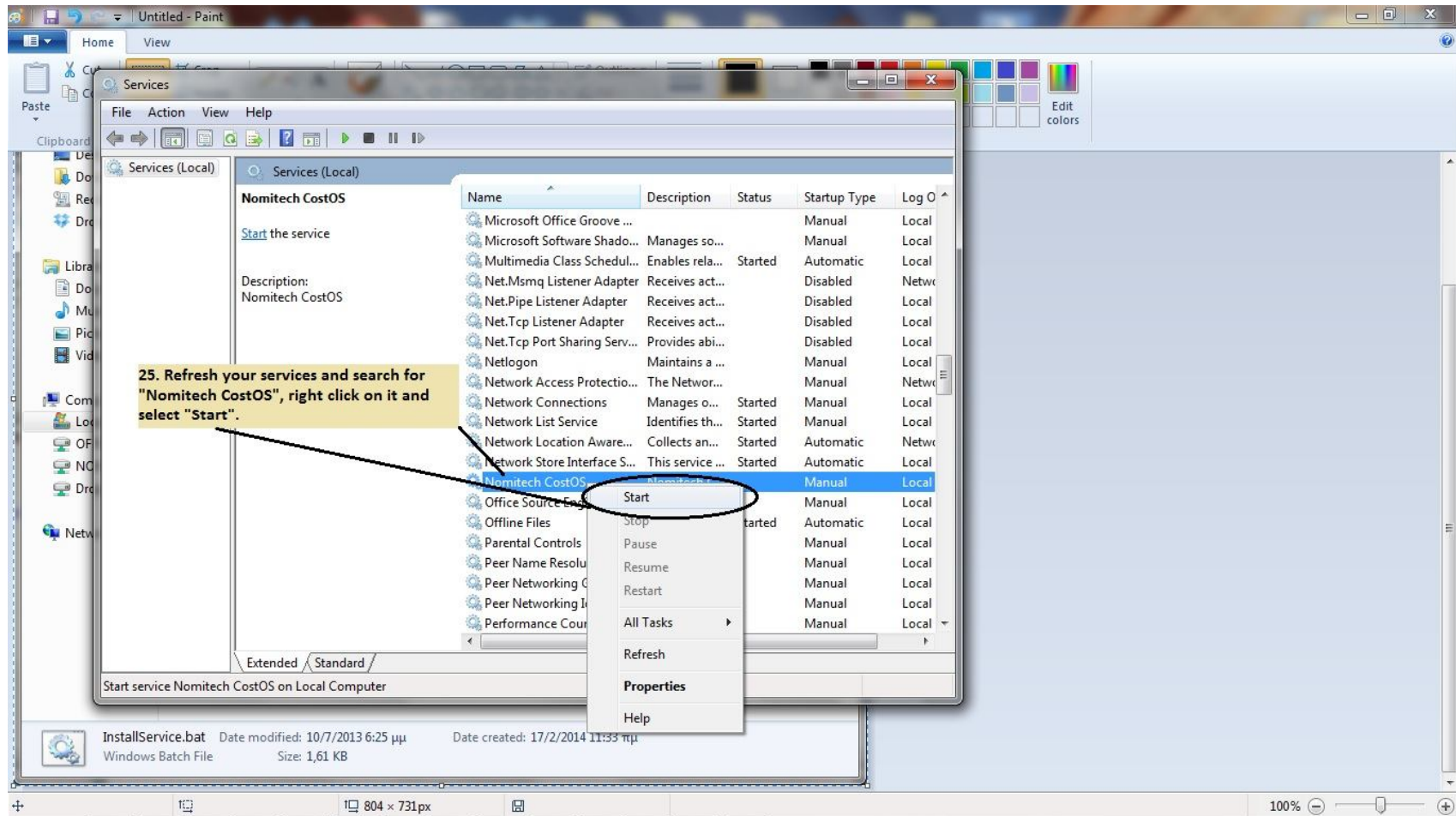
Function List

eXtensible Markup Language file      length : 596   lines : 19      Ln : 1   Col : 1   Sel : 0 | 0      UNIX      ANSI as UTF-8      INS

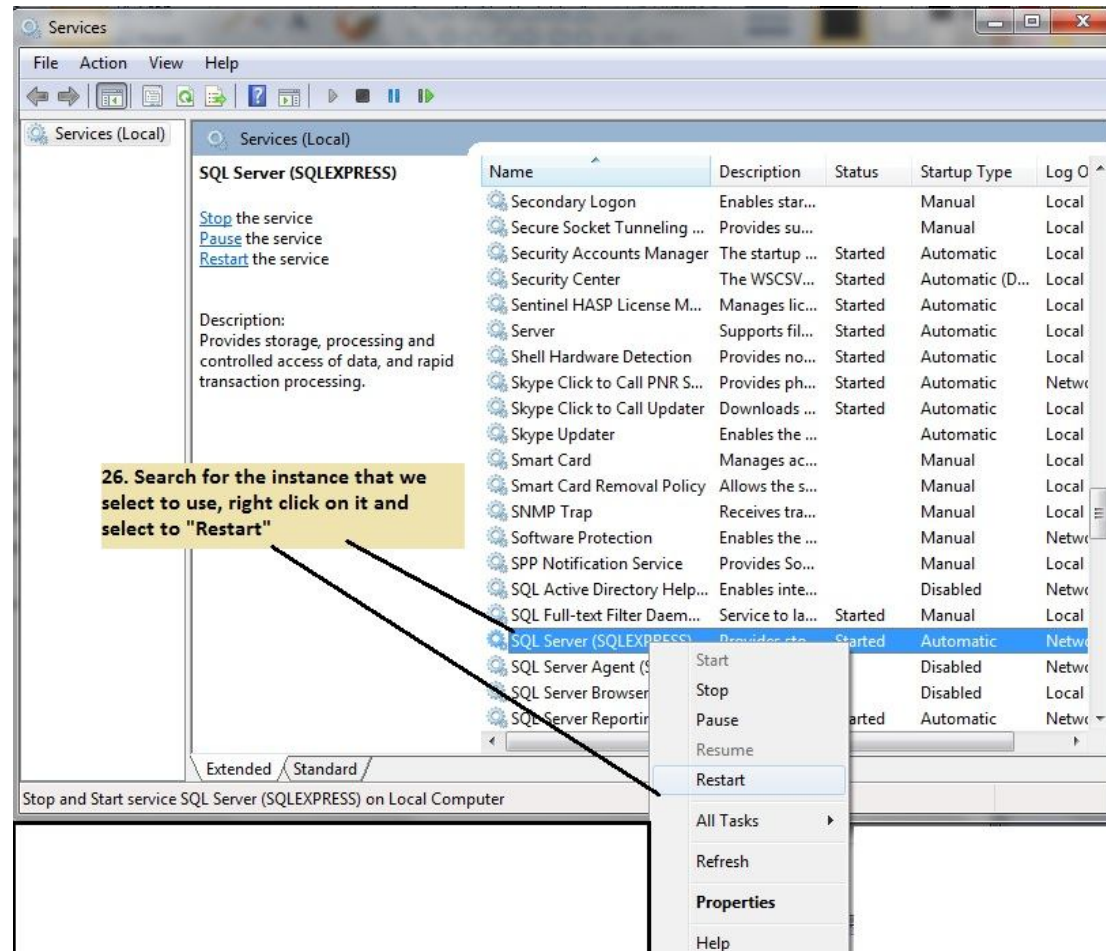
# Step 17



# Step 18



# Step 19



# Step 24

- Wait for a couple of minutes and open the administration console by going to:

<http://localhost:8080/ces/> please use username/password (admin/admin) to connect for the first time. (localhost maybe should be replaced with your server IP)

# Step 25

Login to CostOS | CostOS Enterprise Server - Windows Internet Explorer

http://localhost:8080/ces/login.jsp?locale=en

File Edit View Favorites Tools Help

Java Service Wrapper - JM... Login to CostOS | Cost... Current local time in Austr...

Find: JMX Previous Next Options

CostOS Enterprise Server version 4 english

**CostOS Estimating**

*User Management Console*

**Main**

**Login to CostOS**

Welcome to the User Management Console

Use a valid username and password to gain access to the administration console. This software is protected by Copyright Law and International treaties as described in the EULA - End User License Agreement. Java and all Java based Logos are registered trademarks of Oracle Corp. Copyright © 2005 - 2012 Nomitech - New Open Mind Technologies, Nomitech.

**Username**

**Password**

Login

2.2 | XHTML Valid | CSS Valid  
© 2005-2012 Nomitech - New Open Mind Technologies

Login to CostOS | CostOS Enterprise Server Local intranet | Protected Mode: Off 100%

# Step 26

- **SETTING USERS/ROLES**
- Click on User Mgmt in order to see the User Management console. To Create a New CostOS user you must add it from the follow screen:



# Step 27

The screenshot shows a Windows Internet Explorer browser window displaying the 'User Management' page of the 'CostOS Enterprise Server'. The address bar shows the URL `http://localhost:8080/ces/admin/user.jsp`. The browser's menu bar includes 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. The address bar also shows a search for 'JMX' and navigation buttons for 'Previous', 'Next', and 'Options'.

The main content area of the browser shows the 'User Management' page with a sidebar containing 'Main', 'User Mgmt', and 'Logout'. A modal dialog box titled 'Add New CES User - Windows Internet Explorer' is open in the foreground. The dialog contains the following text and form fields:

To add a new user fill in the following form, with data fields and then press the 'Add' button. To close this window press 'Cancel'.

**General Information:**

Name\*:

Email\*:

UserId\*:

Password\*:

Confirm Password\*:

**Groups and Roles:**

Roles\*: 

- CESAdmin
- CESProjectReader
- CESProjectWriter

Fields marked with the asterisk (\*) are mandatory.

Buttons:

The browser's status bar at the bottom shows 'User Management | CostOS Enterprise Server', 'Local intranet | Protected Mode: Off', and the system tray with the time '8:38 PM'.

# Step 29

The screenshot shows a web browser window with the address bar containing `https://localhost:8443/ces/admin/user.jsp`. The page header features the **CostOS Estimating** logo and the title **User Management Console** over a background image of a construction site. A left sidebar contains navigation links: **Αρχική**, **Διαχ. Χρηστών** (highlighted), and **Αποσύνδεση**. The main content area is titled **Διαχείριση Χρηστών** and includes a **Φίλτρο Ρόλων:** dropdown menu set to **-All Roles-**. Below this is a table of users:

#	Όνομα	Συνθηματικό	Ρόλοι
1	<input type="checkbox"/> CES Administrator	admin	19 Roles
2	<input type="checkbox"/> george	george@nomitech.eu	4 Roles
3	<input type="checkbox"/> jack	jack@nomitech.eu	10 Roles
4	<input type="checkbox"/> john	john@nomitech.eu	10 Roles
5	<input type="checkbox"/> nicolas	nicolas@hotmail.com	4 Roles
6	<input type="checkbox"/> peter	peter@nomitech.eu	9 Roles

At the bottom of the page, the copyright notice reads: © 2005-2008 Nomitech - New Open Mind Technologies

## Step 30

- Please create one account for every system user. If you specify the CESAdmin role, this user has access to the user management console, and he is a super user for all projects, otherwise he does not.

# Step 40

- **INSTALLING THE CLIENT APPS**
- Run the setups that you are provided with, and run x32 or x64, according your operation system. Then go through the steps that you will be prompt by the setup.
- When the client application starts for the first time it will ask for the server host name/port and a username/password to connect:

# Step 41



The image shows a Windows-style dialog box titled "CostOS Database Login...". The dialog has a blue header bar with the text "Enter your database password". On the left side, there is a vertical blue bar with a blue sphere icon and a key icon. The main area contains three input fields: "Host:" with the value "costos-server.com:8080", "Username:" with the value "user", and "Password:" with six black dots. Below the input fields is a checkbox labeled "Automatically log me in every time the program starts." which is currently unchecked. At the bottom right, there are two buttons: "Cancel" and "Login".

CostOS Database Login...

Enter your database password

Host:

Username:

Password:

Automatically log me in every time the program starts.

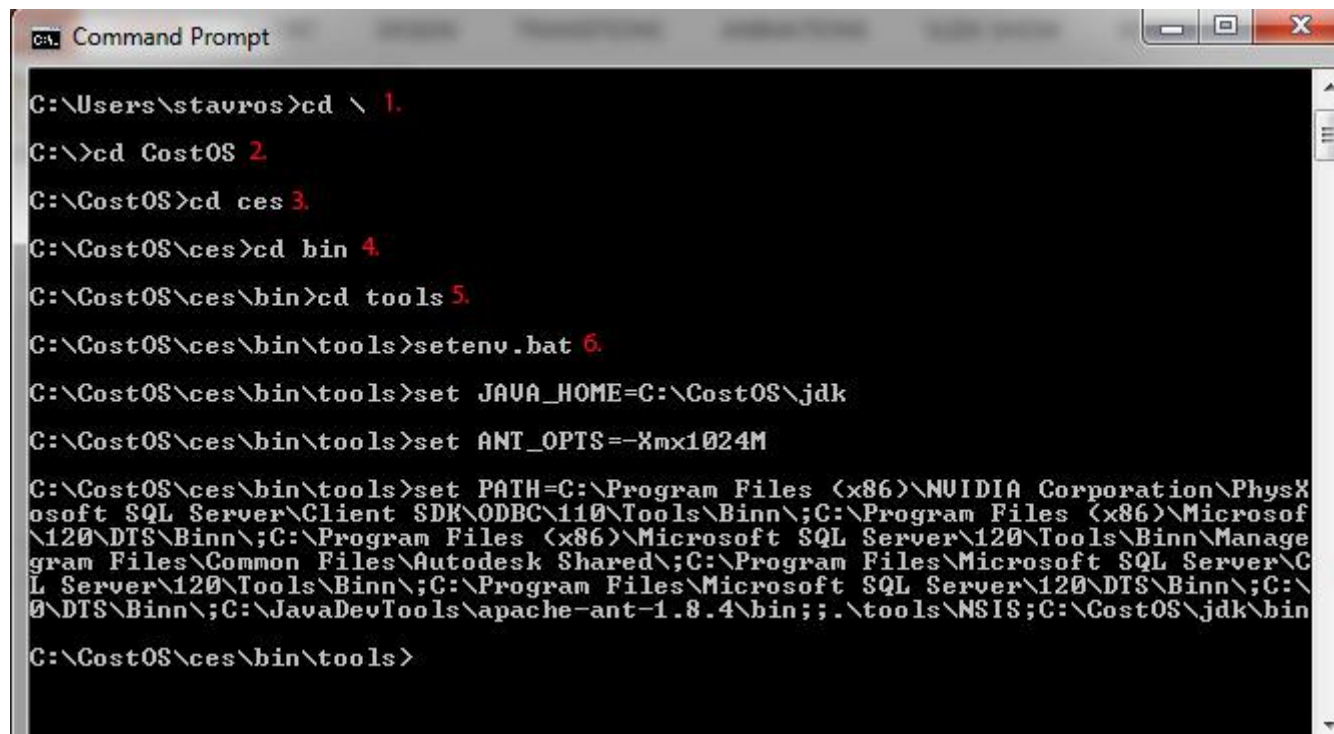
Cancel Login

# Step 42

- By default CostOS is configured to listen for web service connections on port 8080 so always use the suffix ":8080".
- **Please also remember to always create multi user project files, adding users on them, so that they are always accessible from all users.**

# Step 43 (Configuration 1) – Creating a project db

Open CMD and type commands like the following images.



```
Command Prompt
C:\Users\stavros>cd \ 1.
C:\>cd CostOS 2.
C:\CostOS>cd ces 3.
C:\CostOS\ces>cd bin 4.
C:\CostOS\ces\bin>cd tools 5.
C:\CostOS\ces\bin\tools>setenv.bat 6.
C:\CostOS\ces\bin\tools>set JAVA_HOME=C:\CostOS\jdk
C:\CostOS\ces\bin\tools>set ANT_OPTS=-Xmx1024M
C:\CostOS\ces\bin\tools>set PATH=C:\Program Files (x86)\NVIDIA Corporation\PhysX
Microsoft SQL Server\Client SDK\ODBC\110\Tools\Binn\;C:\Program Files (x86)\Microsof
\120\DTS\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\Manage
gram Files\Common Files\Autodesk Shared\;C:\Program Files\Microsoft SQL Server\C
L Server\120\Tools\Binn\;C:\Program Files\Microsoft SQL Server\120\DTS\Binn\;C:\
0\DTS\Binn\;C:\JavaDevTools\apache-ant-1.8.4\bin;;.\tools\MSIS;C:\CostOS\jdk\bin
C:\CostOS\ces\bin\tools>
```

# Step 44

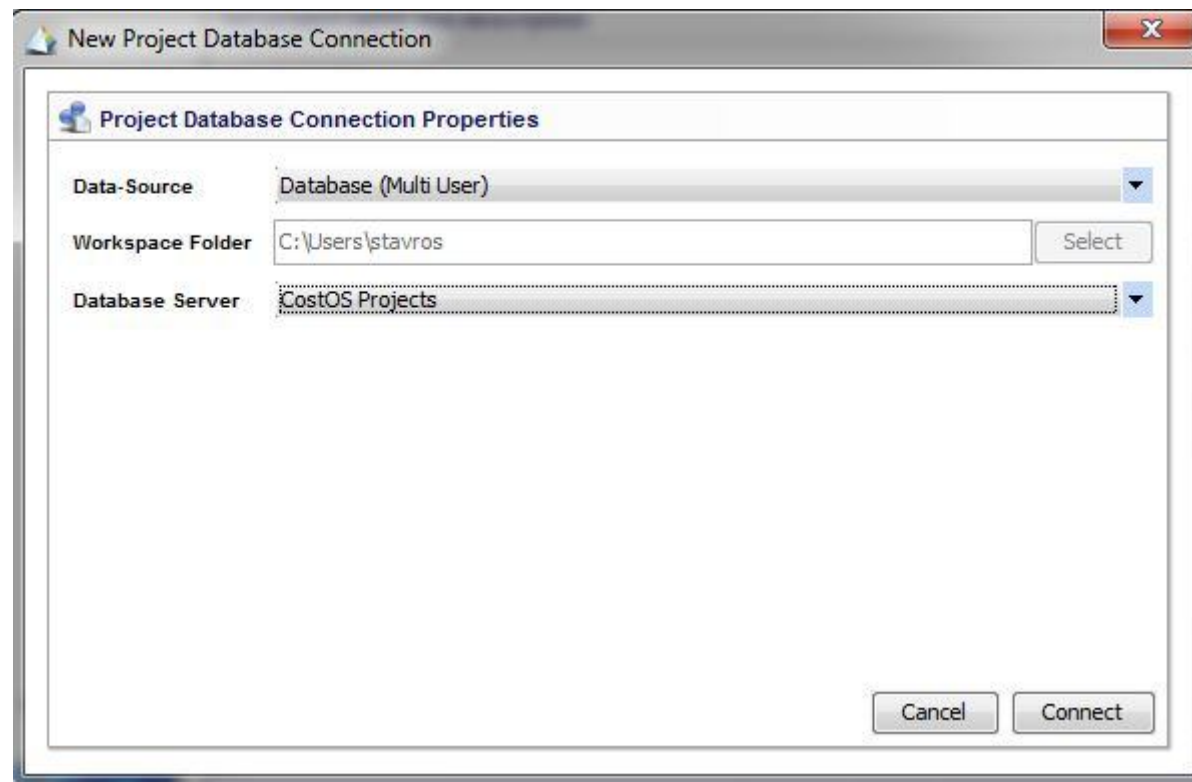
```
C:\> Command Prompt
C:\CostOS\ces\bin\tools>ProjectDbmsUtil.bat 7.
Usage: ProjectDbmsUtil -iudl
-i [Install Dbms] <SQLServer!MySQL> <Unique-Dbms-Name> <Dbms-IP> <Dbms-Port> <PrivUsername>
-u [Update Dbms] <Unique-Dbms-Name> <Dbms-IP> <Dbms-Port> <PrivUsername>
-d [Delete Dbms] <Unique-Dbms-Name>
-l [List all Dbms]

C:\CostOS\ces\bin\tools>ProjectDbmsUtil.bat -i SQLServer "CostOS Projects" 192.168.2.5 1433 admin 8.
CostOS Server Hostname: localhost 9. (App server)
CostOS Server Username: admin 10. (username for Admin user)
CostOS Server Password:      11. (costos password for Admin user)
Successfully Logged-In to CostOS.
Type DBMS password of admin: 12. (password for sql login (admin))
Retype DBMS password of admin: 13. (retype the password for sql login)
DBMS CostOS Projects was successfully added to the installation
C:\CostOS\ces\bin\tools>
```



# Step 45

Now each time that you create a new multi – user project, you don't have to add all that information with SQL creds, hostname and ports. You define the Data-source and the Database Server as “**CostOS Projects**”.



# Step 46 (Configuration 2) — Stop the Nomitech service first.

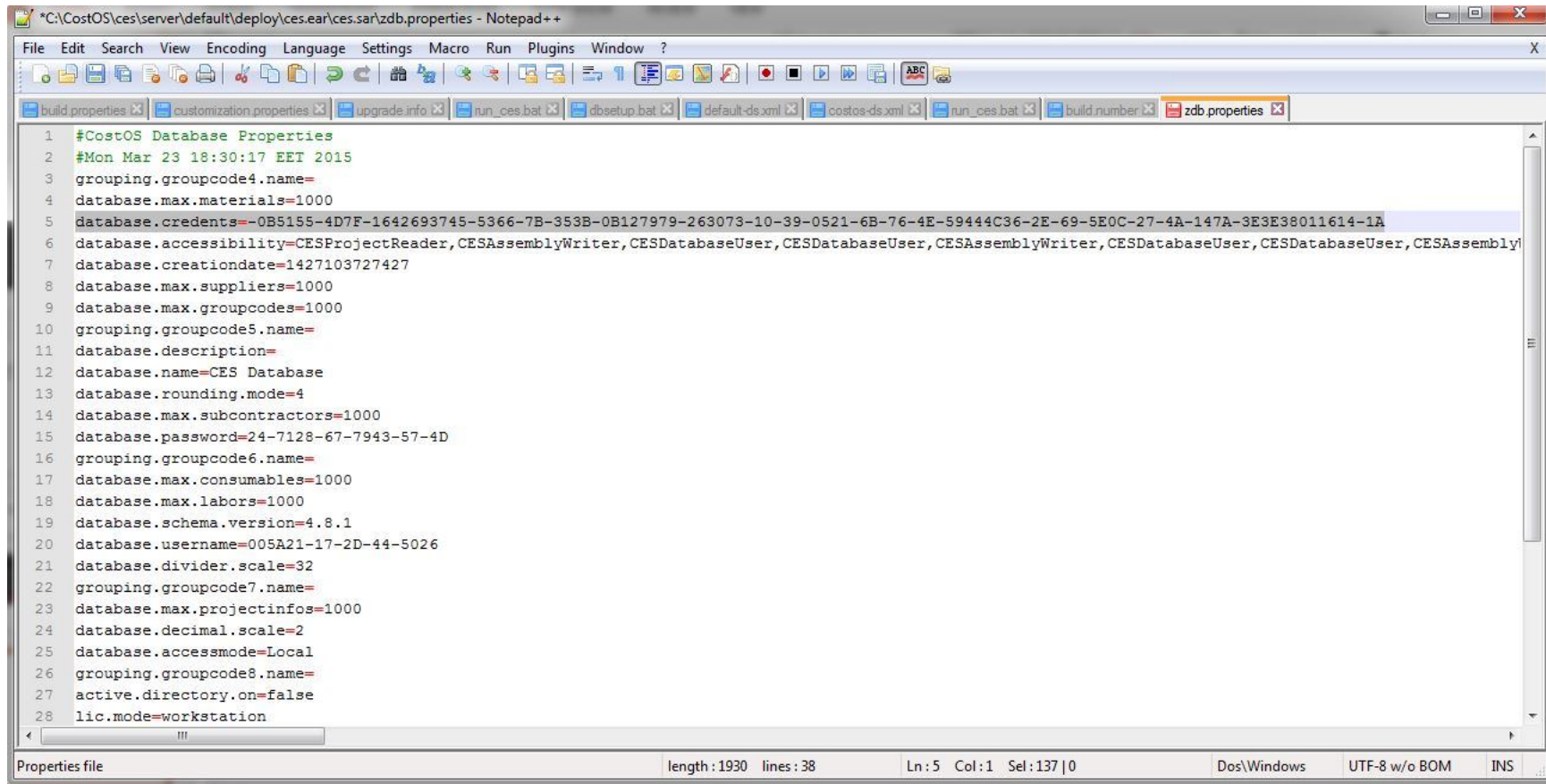
Copy the red highlighted line and paste it into the **zdb.properties** file that you will find in C:\CostOS\ces\server\default\deploy\ces.ear\ces.sar.

```
ca. Command Prompt

C:\CostOS\ces\bin\tools>setenv.bat 1.
C:\CostOS\ces\bin\tools>set JAVA_HOME=C:\CostOS\jdk
C:\CostOS\ces\bin\tools>set ANT_OPTS=-Xmx1024M
C:\CostOS\ces\bin\tools>set PATH=C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files (x86)\Autodesk\Backburner\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\DT\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\ManagementStudio\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files\Autodesk Shared\;C:\Program Files\Microsoft SQL Server\Client SDK\ODBC\110\Tools\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files\Microsoft SQL Server\120\DT\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\;C:\JavaDevTools\apache-ant-1.8.4\bin\;.\tools\MSIS;C:\CostOS\jdk\bin
C:\CostOS\ces\bin\tools>CreateDataSourceConnection.bat 2.
Usage: CreateDataSourceConnection dbmstype:hostname:port:dbname:username:password
[dbmstype] database server: sqlserver:mysql
[hostname] host of the database server
[port] port of the database server
[username] username of the database server with update schema rights
[password] password of the database server
C:\CostOS\ces\bin\tools>CreateDataSourceConnection.bat sqlserver:192.168.2.5:1433:CostOS:admin:admin 3.
Shutdown the server and put the following line to the ces.sar/zdb.properties file:
database.creds=-0B5155-4D7F-1642693745-5366-7B-353B-0B127979-263073-10-39-0521-6B-76-4E-59444C36-2E-69-5E0C-27-4A-147A-3E3E38011614-10
C:\CostOS\ces\bin\tools> 4. Mark the red highlithed line and copy it with ENTER
```

# Step 47

Copy the database creds line and save the file.



```
*C:\CostOS\ces\server\default\deploy\ces.ear\ces.sar\zdb.properties - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
build.properties customization.properties upgrade.info run_ces.bat dbsetup.bat default-ds.xml costos-ds.xml run_ces.bat build.number zdb.properties
1 #CostOS Database Properties
2 #Mon Mar 23 18:30:17 EET 2015
3 grouping.groupcode4.name=
4 database.max.materials=1000
5 database.creds=--0B5155-4D7F-1642693745-5366-7B-353B-0B127979-263073-10-39-0521-6B-76-4E-59444C36-2E-69-5E0C-27-4A-147A-3E3E38011614-1A
6 database.accessibility=CESProjectReader,CESAssemblyWriter,CESDatabaseUser,CESDatabaseUser,CESAssemblyWriter,CESDatabaseUser,CESDatabaseUser,CESAssemblyWriter
7 database.creationdate=1427103727427
8 database.max.suppliers=1000
9 database.max.groupcodes=1000
10 grouping.groupcode5.name=
11 database.description=
12 database.name=CES Database
13 database.rounding.mode=4
14 database.max.subcontractors=1000
15 database.password=24-7128-67-7943-57-4D
16 grouping.groupcode6.name=
17 database.max.consumables=1000
18 database.max.labors=1000
19 database.schema.version=4.8.1
20 database.username=005A21-17-2D-44-5026
21 database.divider.scale=32
22 grouping.groupcode7.name=
23 database.max.projectinfos=1000
24 database.decimal.scale=2
25 database.accessmode=Local
26 grouping.groupcode8.name=
27 active.directory.on=false
28 lic.mode=workstation
Properties file length: 1930 lines: 38 Ln: 5 Col: 1 Sel: 137 | 0 Dos\Windows UTF-8 w/o BOM INS
```

# Step 48

- Open **Nomitech** service again.