



DEPARTMENT: WATER AFFAIRS AND FORESTRY

WMS INSTALLATION GUIDELINE

(New Installations only)

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WMS INSTALLATION GUIDE

INTENDED FOR WIN XP INSTALLATIONS

NB RUN INSTALLATION FROM EXPLORER AND NOT FROM AUTORUN.

The installation data is available on the FTP Server at: ftp_wms on 'dwafweb1'

- 1. INSTALL BDE: ON WIN XP**
- 2. INSTALL INFORMIX CLIENT ICONNECT_3.50**
- 3. DB CONFIG**
- 4. CONFIGURE INFORMIX SETNET**
- 5. RUN ILOGIN DEMO**
- 6. INSTALL MON MAN**
- 7. INSTALL ARCVIEW**
- 8. INSTALL ARCGIS**
- 9. WINTERM INSTALLATION**

NOTE:

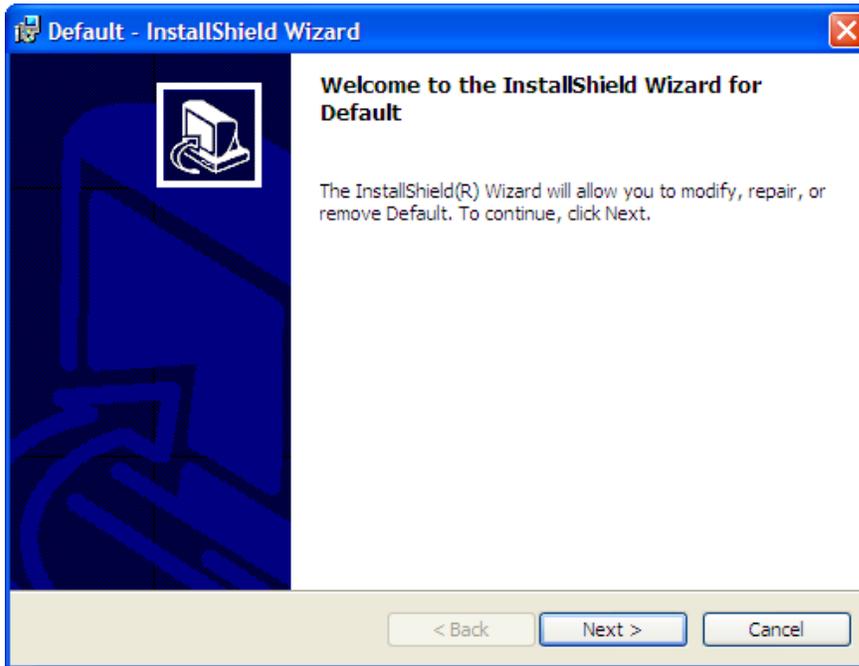
- 1 If setting up a Winterm user only follow step 10, the rest of the installation is not required.**
- 2 For non Winterm users, i.e. Server connected users, do not do step 10.**

INSTALL BDE: ON WIN XP

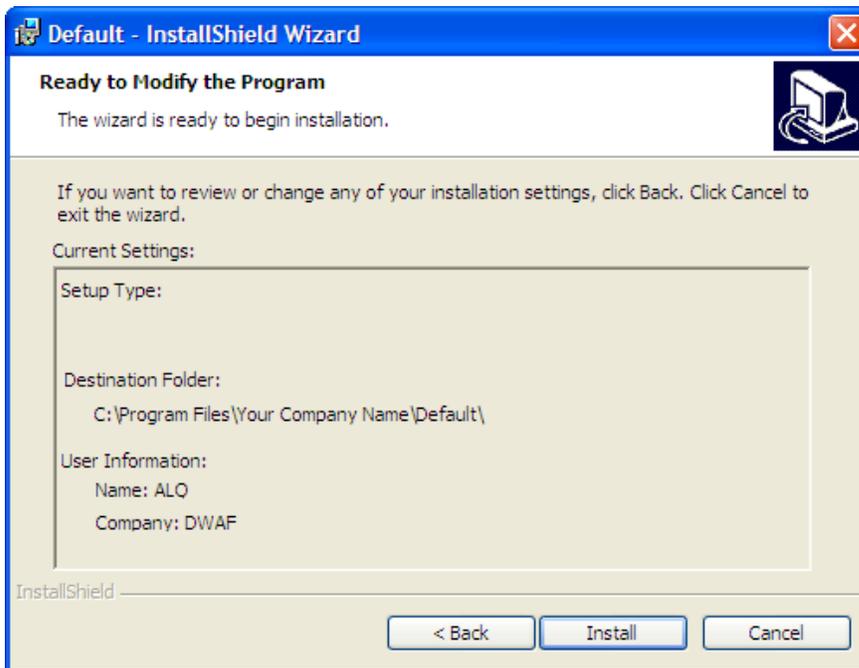
Run BDE set-up accepts all defaults i.e. next. (Use Win Explorer)

Note: For **Windows XP click** on setup.exe on the BDE_XP (L) Directory as per the Installation CD.

Click Next

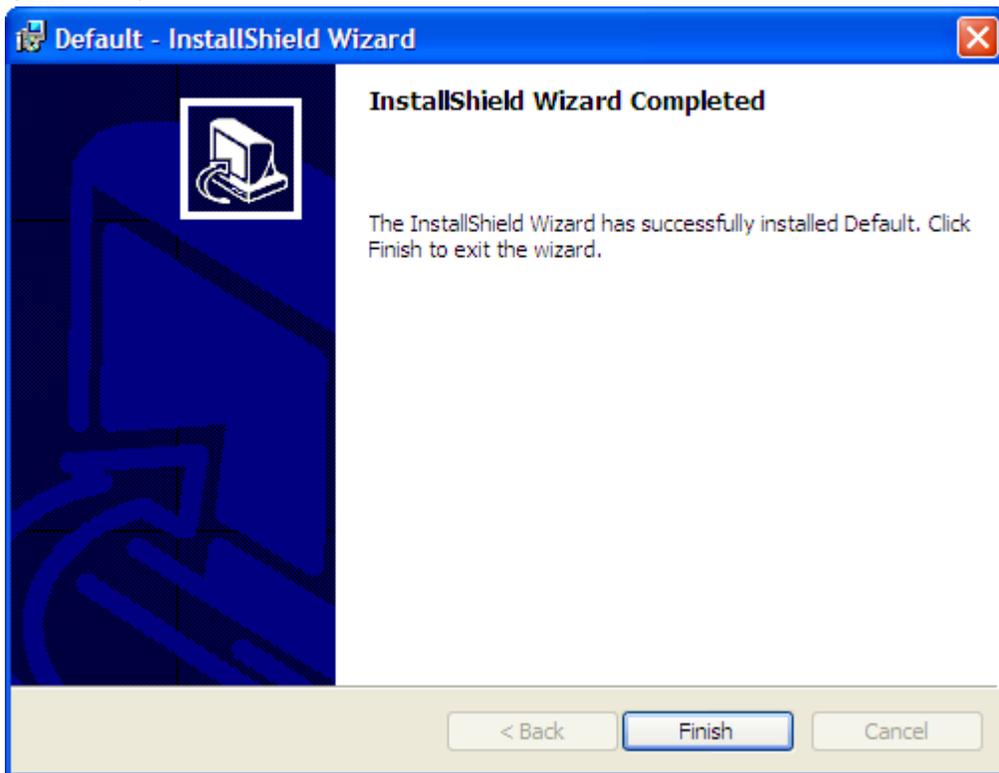


Click Install



Installation proceeds

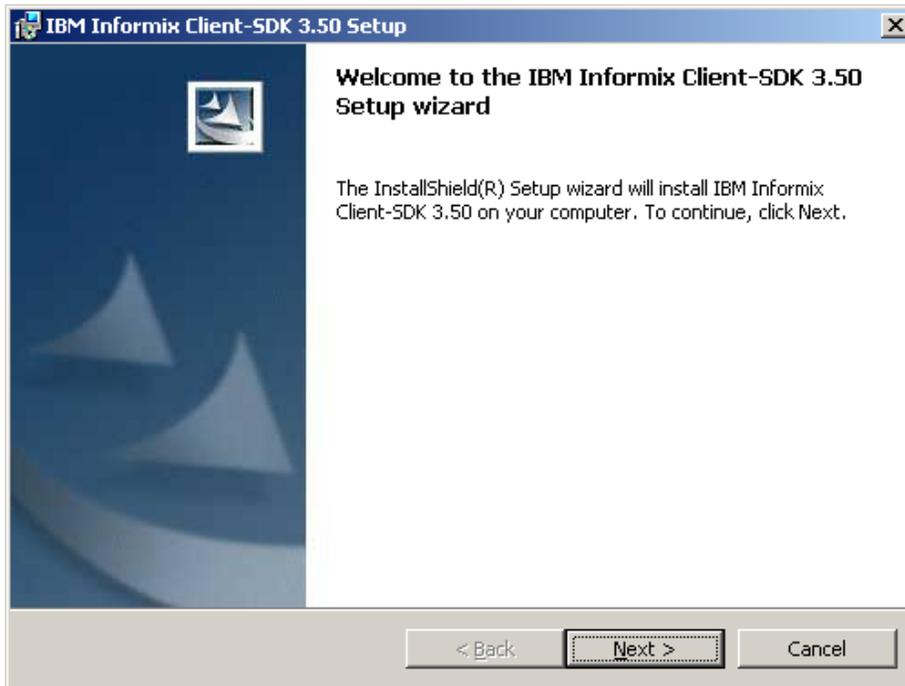
Click Finish



3. INSTALL INFORMIXCLIENT ICONNECT 3.50

Run set-up from CD = cd drive:\Iconnect_3.5\ Setup.exe

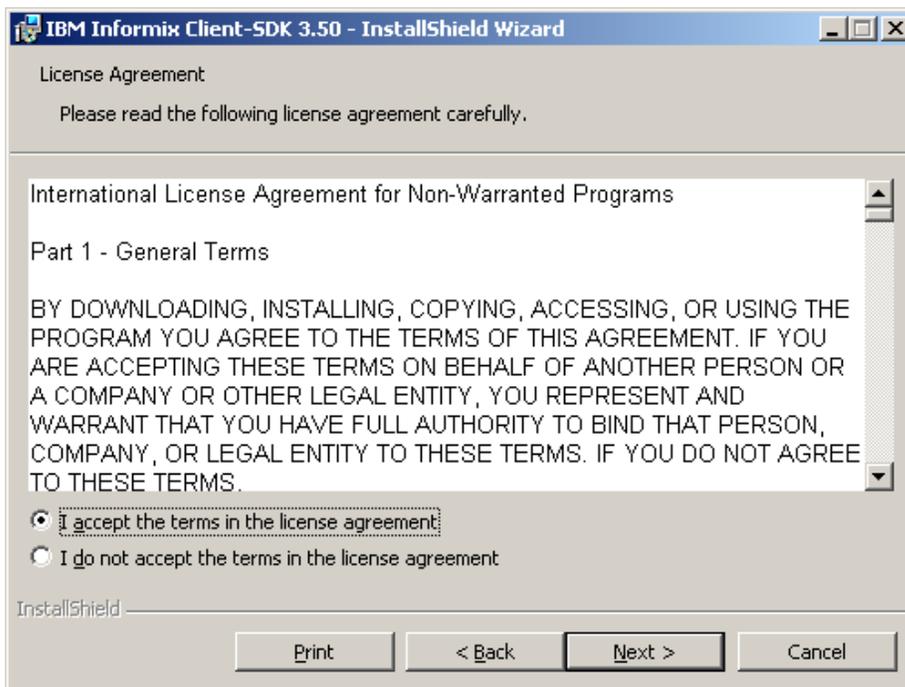
Click Next



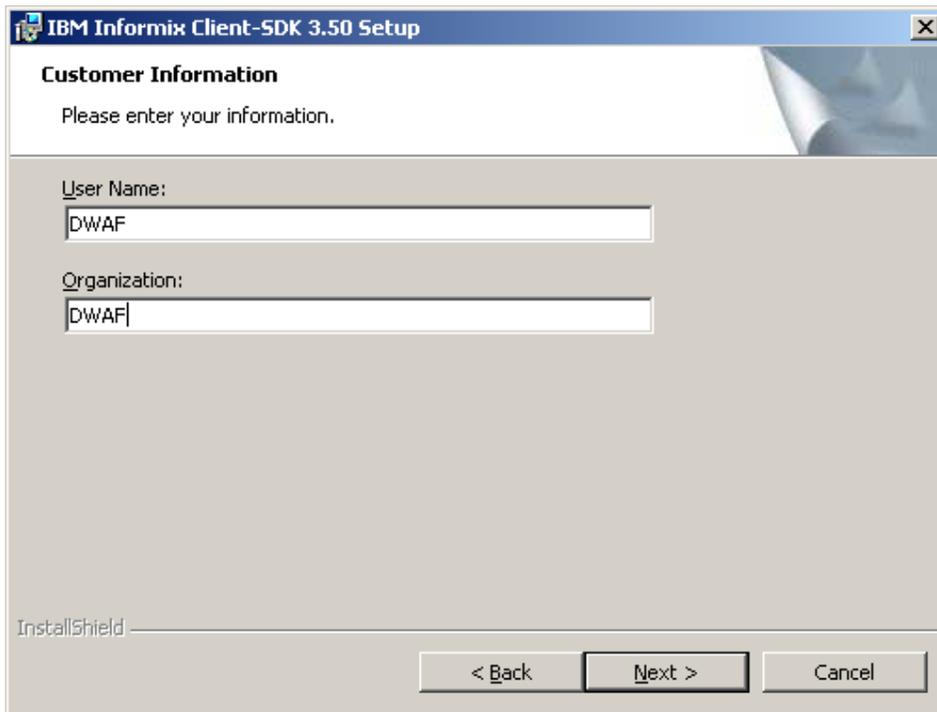
Accept all defaults i.e. next, accept licence conditions etc.:

Click in "I accept the Term in the license agreement"

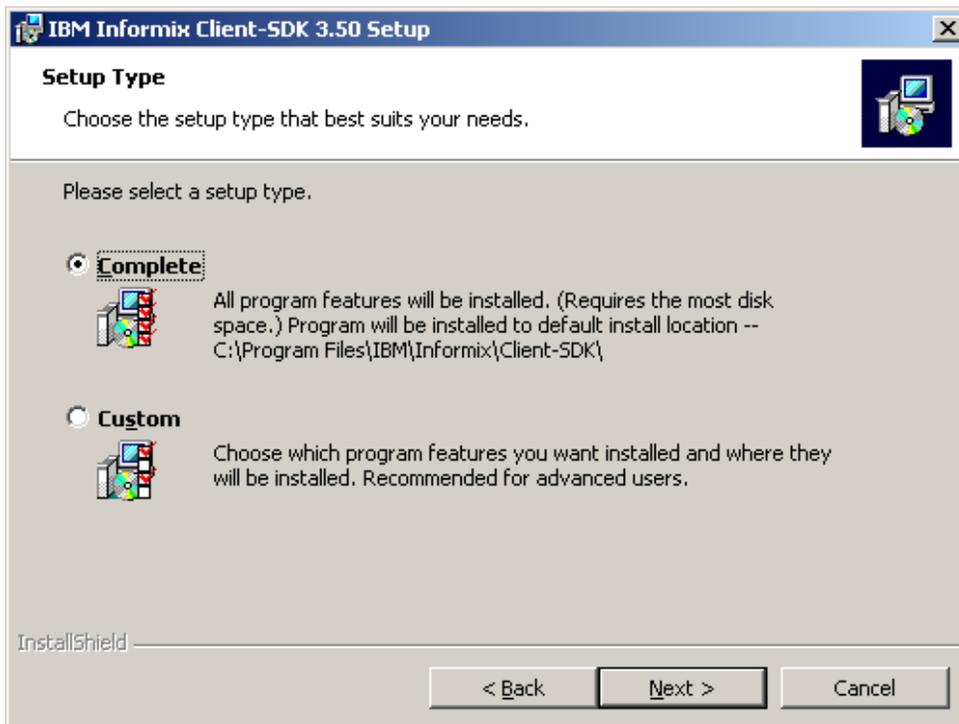
Click Next



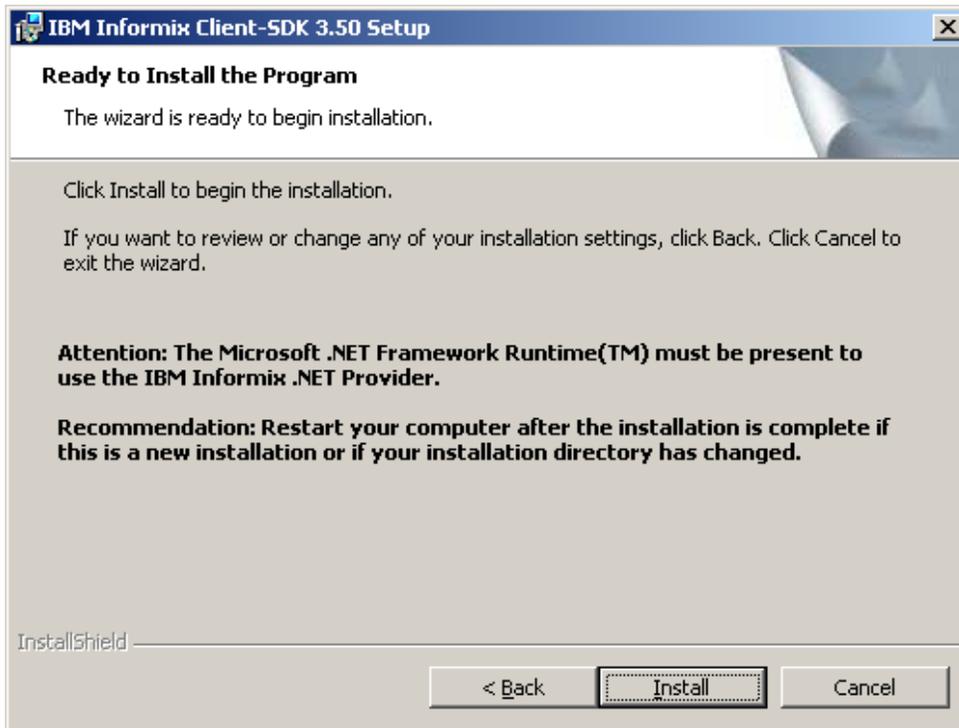
Enter User Name: DWAF
Enter Organization: DWAF
Click Next



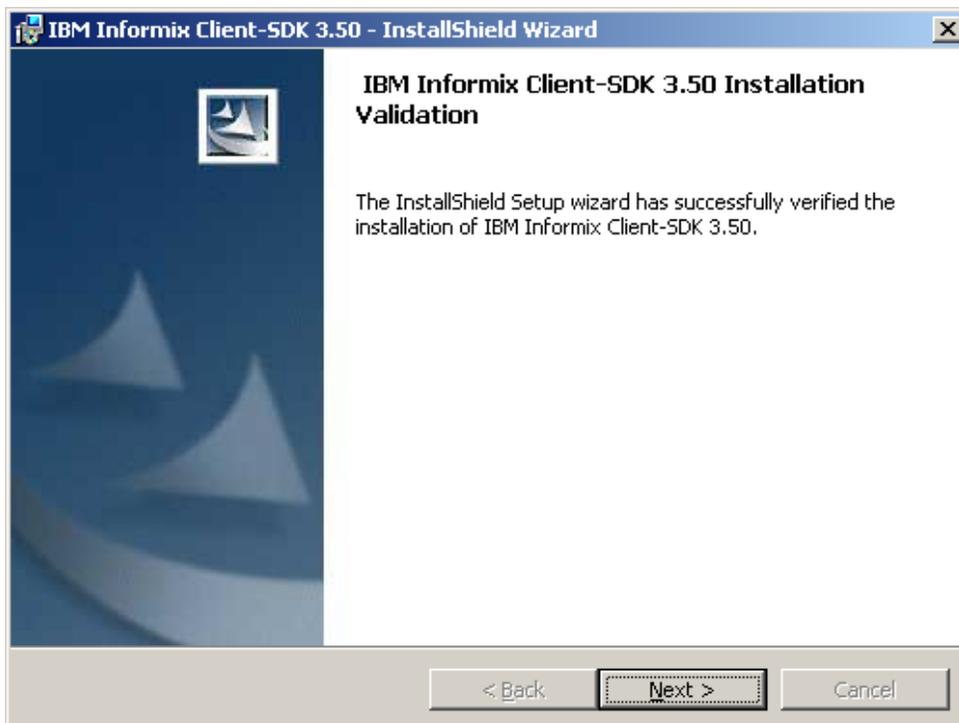
Select Setup Type:
Click the "Complete" option
Click Next



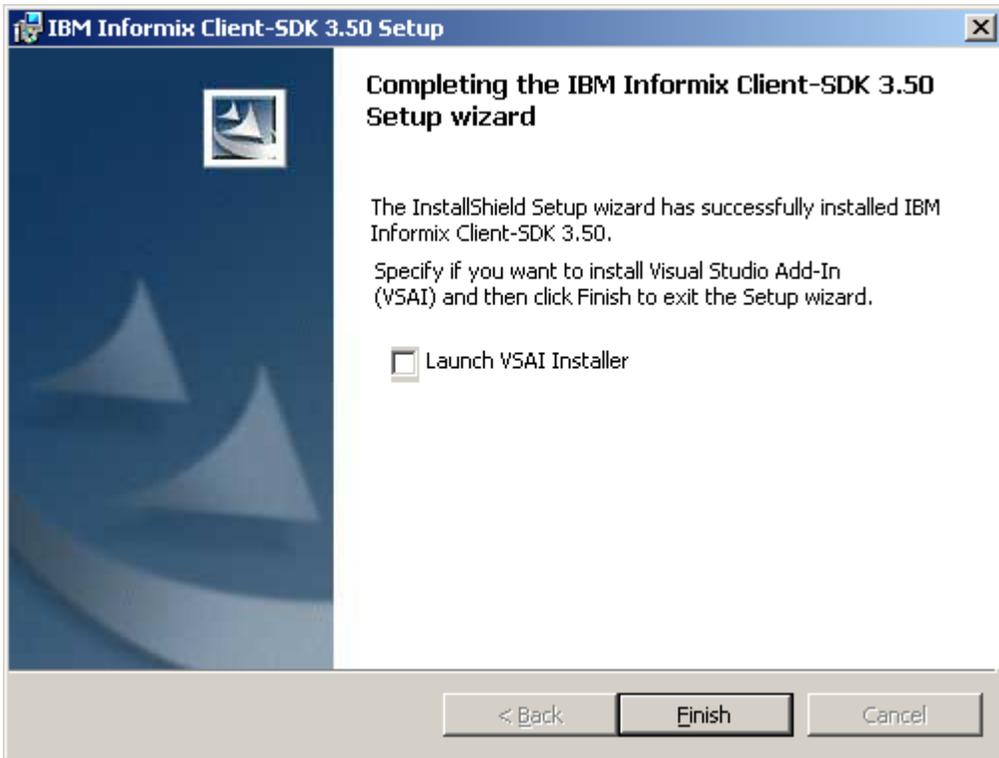
Click Install



Click Next



Click finish



4. DB CONFIG

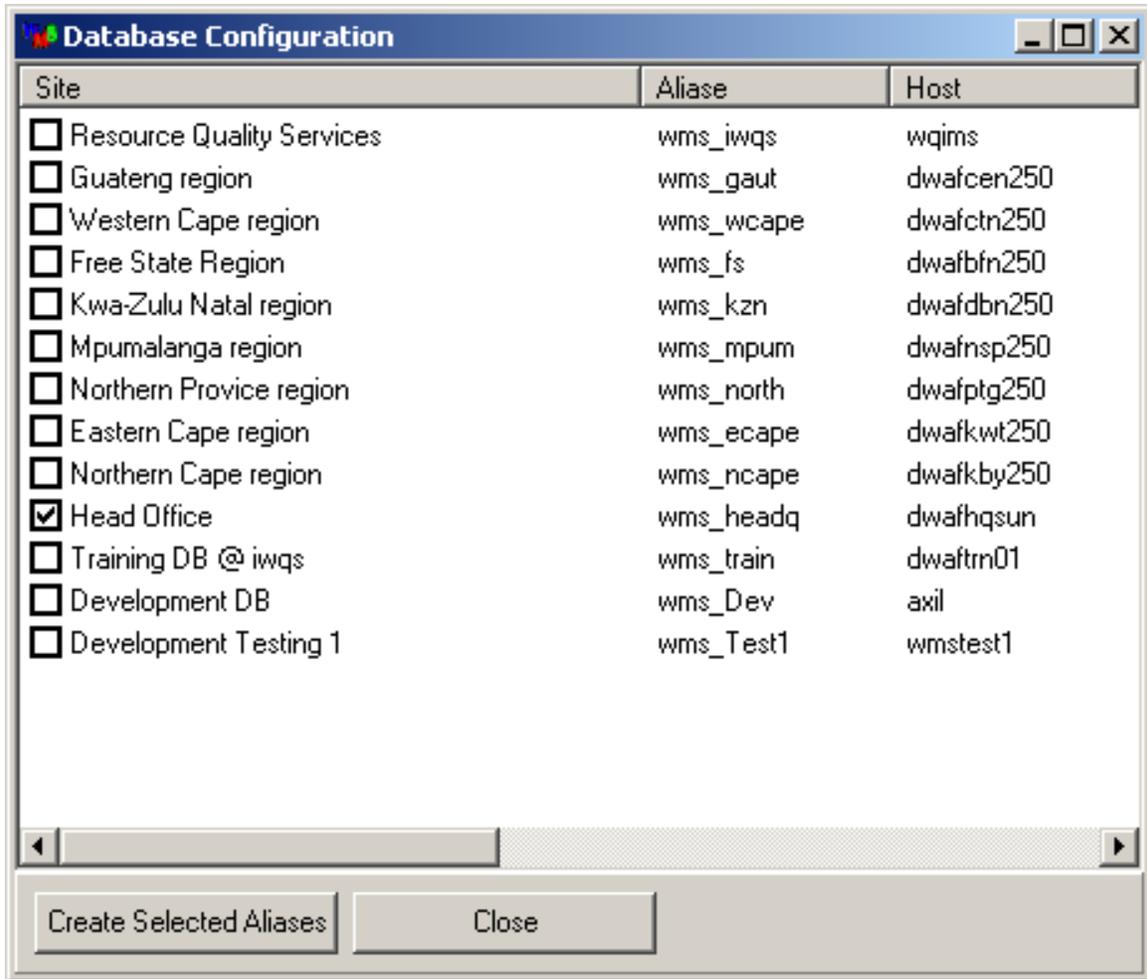
Run DBCONFIG

(Regional specific)

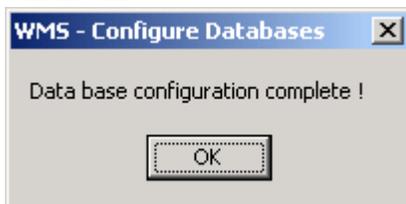
Choose only the Region you are in e.g. *Head Office*

Click Create Selected Aliases and click OK

Click Close

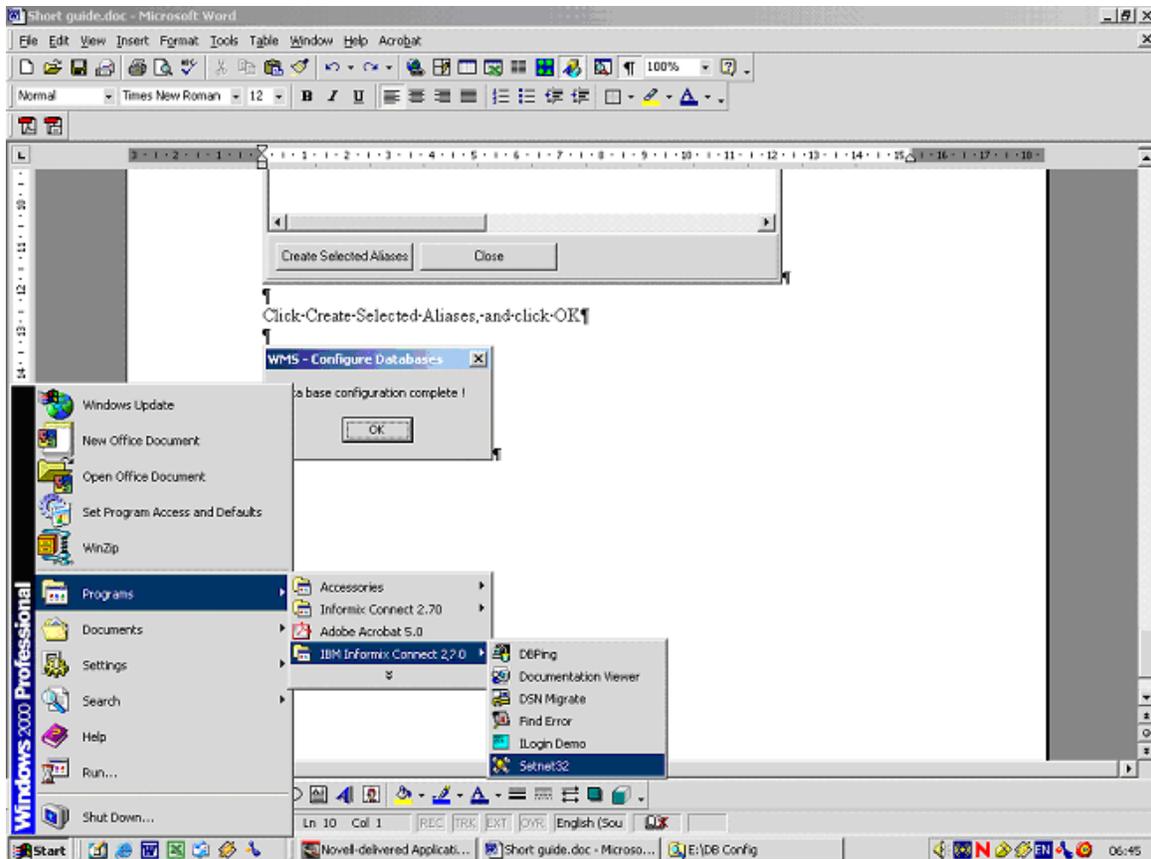


Click OK



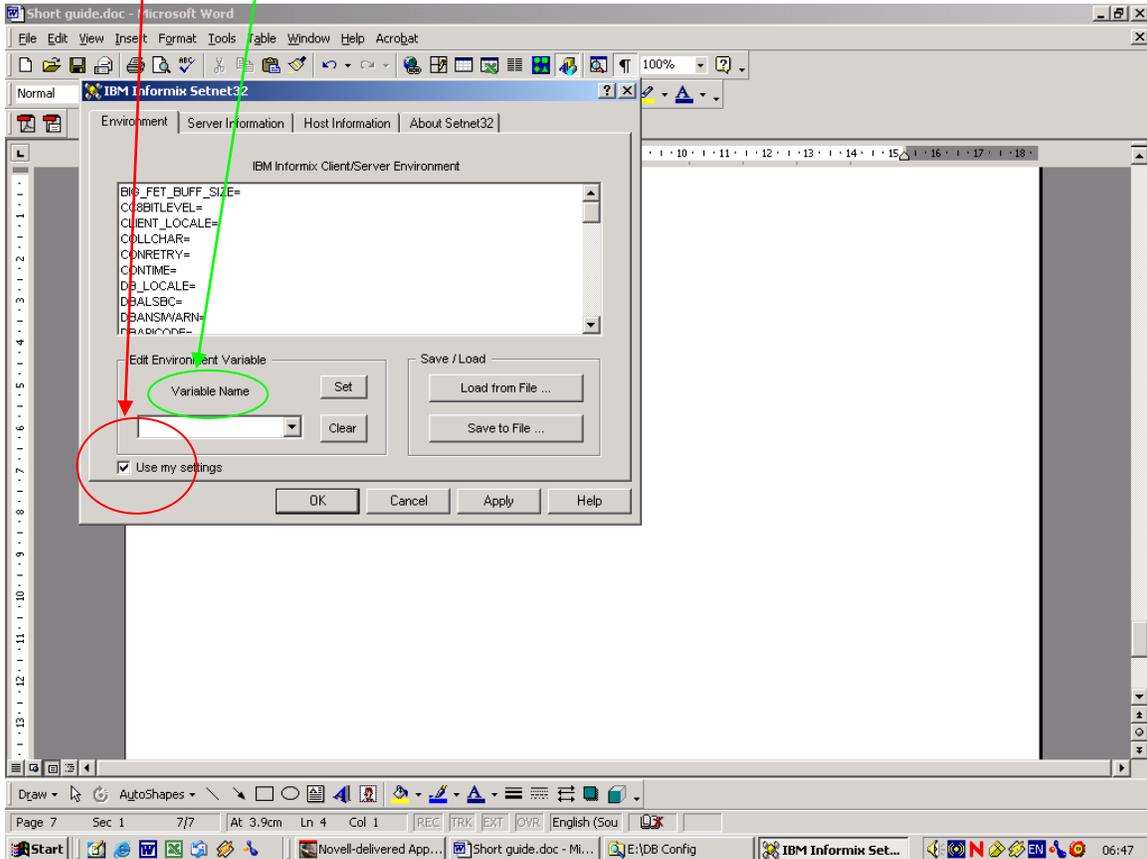
5. CONFIGURE INFORMIX SETNET

Click Programs and follow as per this screen below



The following form is displayed (next page)

Go to Environment Tab
Ensure "Use my settings" Checked
In the list of variables select DBDate, and click on it
Set/change Variable Name DB Date to **y4md-**
Click Set button

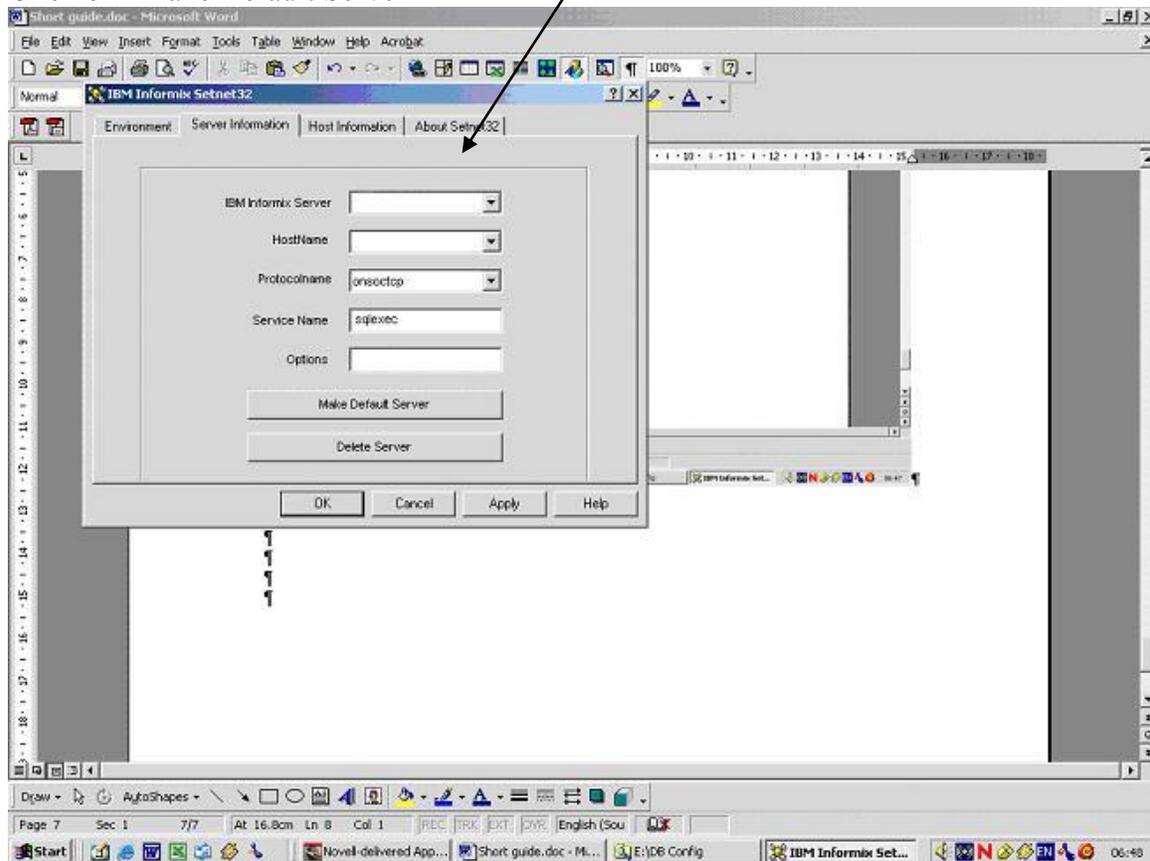


Go to Server Information tab

Select appropriate **IBM Informix Server** (Alias name – as per grid below), which is appropriate for your **specific Region**

Region	Host name	Service	Server
RQS	wqims	sql_05_iwqs	inf_05_iwqs
Gauteng	dwafcen250	sql_15_gaut	inf_15_gaut
W-Cape	e250ctn	sql_18_wcape	inf_18_wcape
OFS	dwafbfn250	sql_22_fs	inf_22_fs
HQ	dwafhqsun	sql_08_headq	inf_08_headq
Limpopo	dwafptg250	sql_23_north	inf_23_north
Training	dwaftrn01	sql_27_dwaftrn01	inf_27_dwaftrn01

Click on “Make Default Server”



The question “Define Server Information” could appear, if it does click OK (doesn’t appear in all instances)

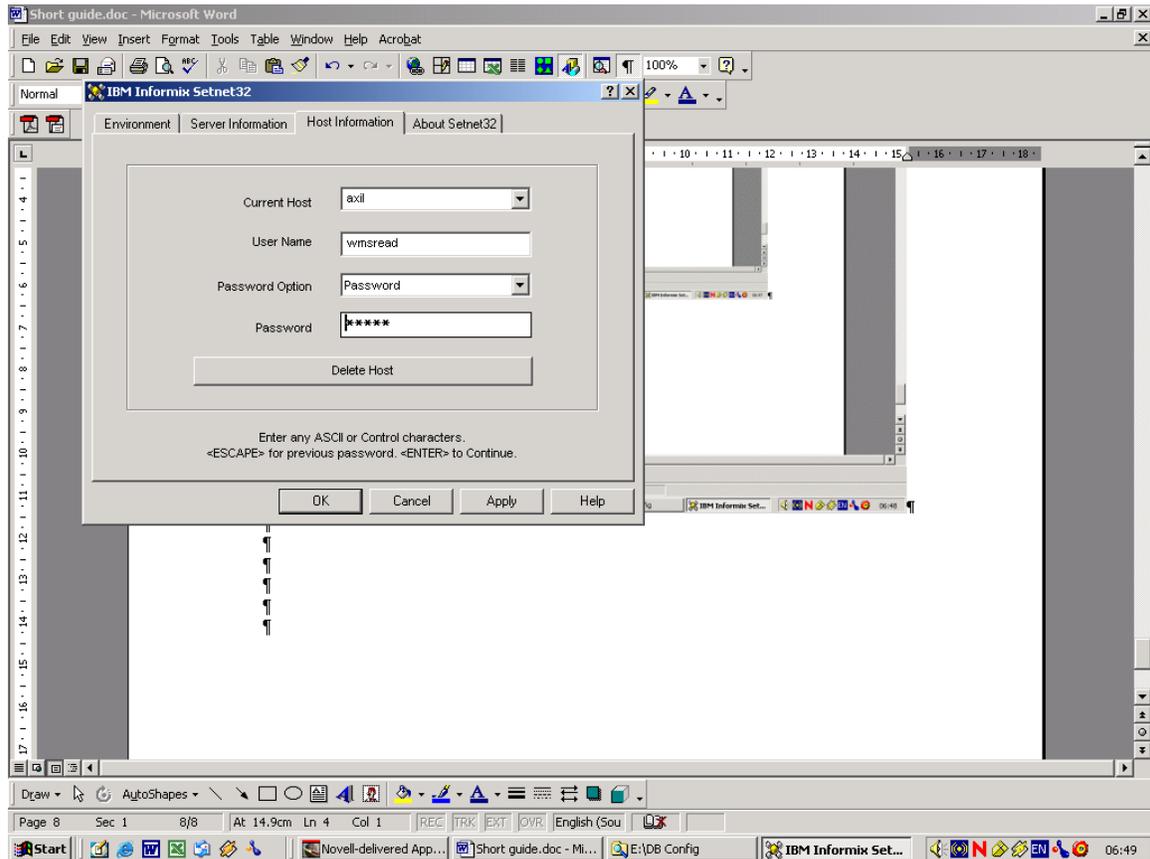
Go to Host Information tab

Current Host will automatically be updated if the correct db config was run as per point 4 DB Config.

User name – ask user to type in their user name else wmsread (wmstrain for training)

Password – ask user to type in their password else readonly (train for training)

Click Apply



The question “Define Host Information” could appear, if it does click okay (does not appear in all instances)

NB Reboot PC.

Windows XP

Copy hosts & services files from the Installation CD supplied to
C:\windows\system32\drivers\etc

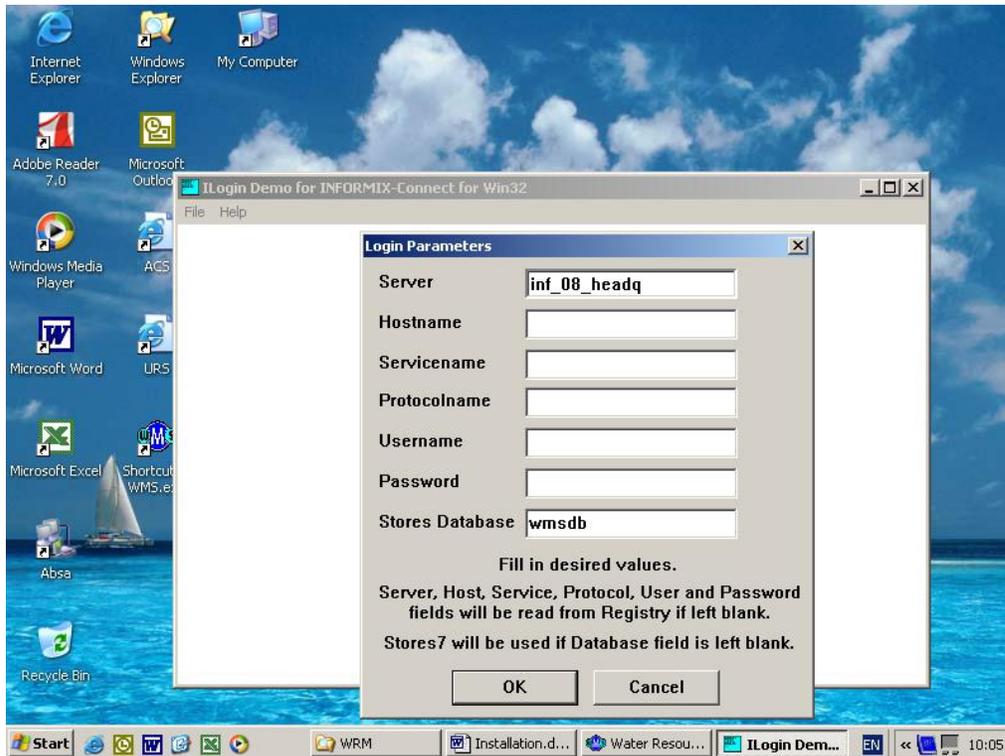
6. Run ILogin Demo

Path:

Start/Programs/Informix Client-SDK 3.50/Ilogin Demo

Click on: File/Run on Ilogin Demo for Informix Connect

The following screen is displayed



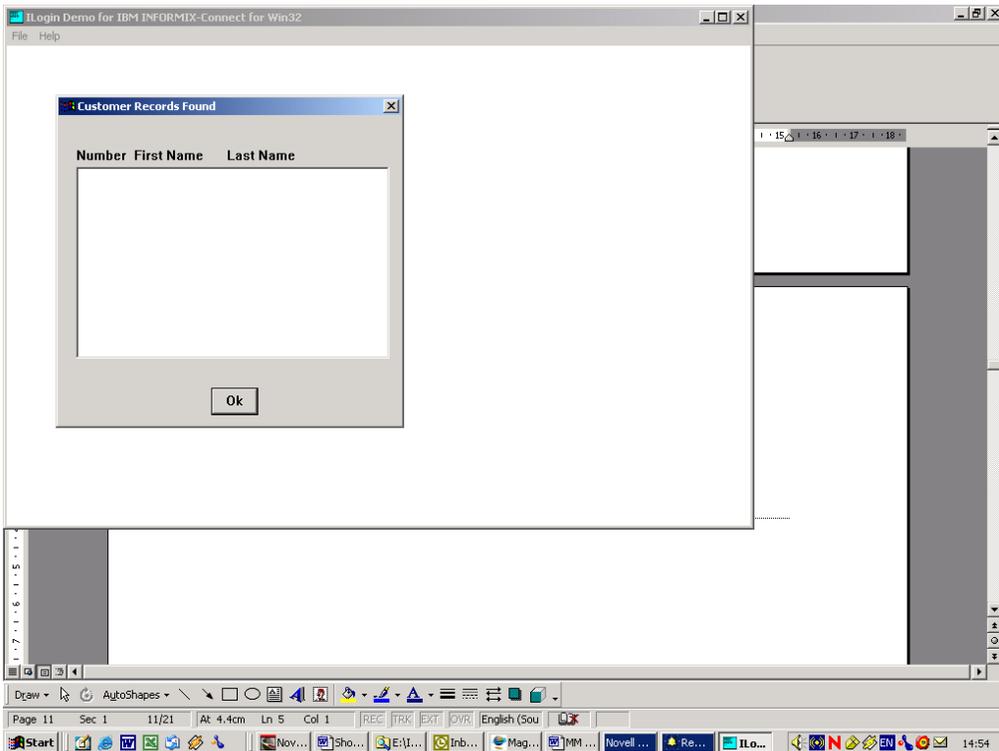
Dependent on region choice as per the DB Config

In Server field ensure that the correct server for the specific region is showing (for the training database enter inf_27_dwaftrm01)

In Stores Database type: wmsdb (if you want to connect to the WMS Training database please enter wmstr)

Click OK

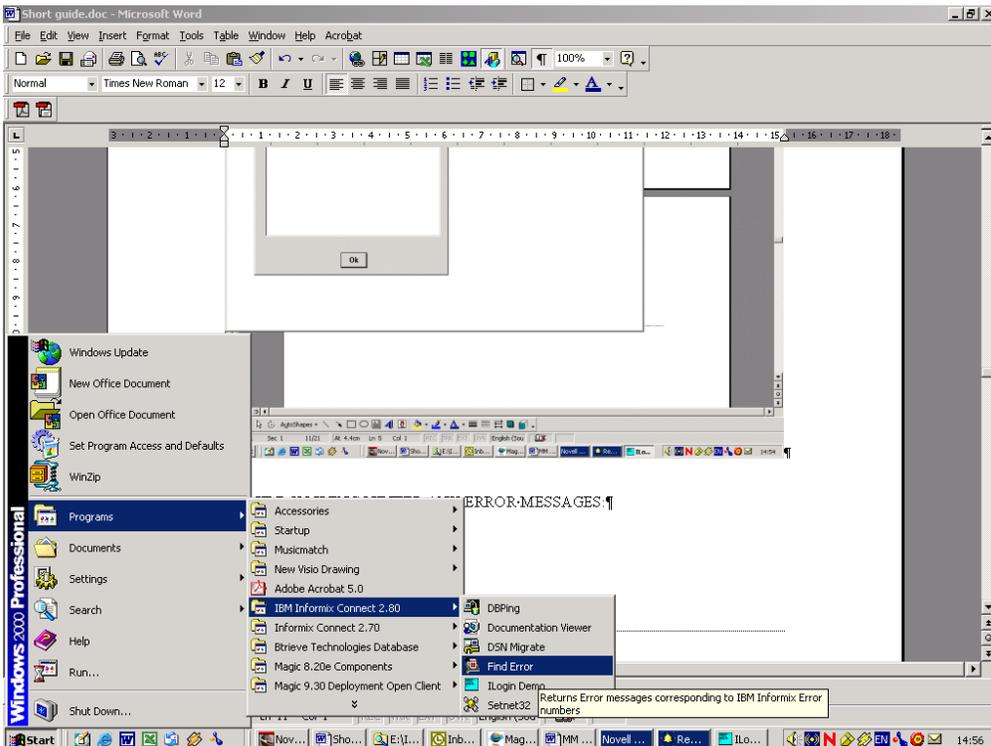
If this message is displayed the installation of Informix was successful.



Click "Ok" to finalise the test

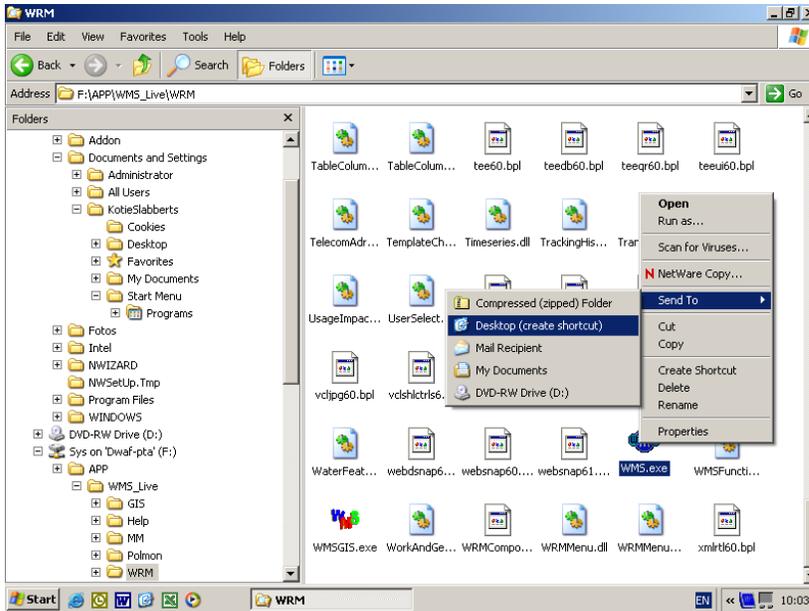
SHOULD YOU ENCOUNTER ANY ERROR MESSAGES?

Follow as per this screen to display what the error is



CREATE SHORTCUT FOR WRM ON DESKTOP

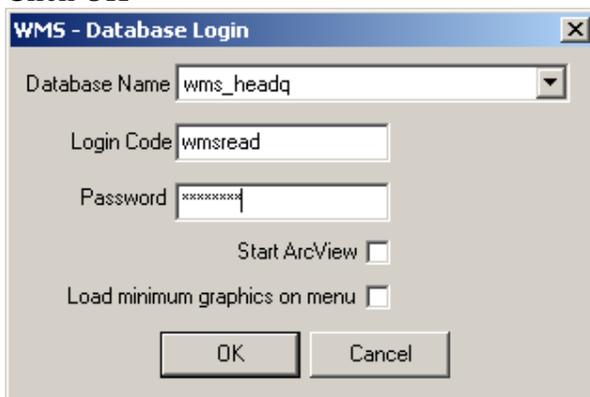
PATH: (As per your Network)\WMS_LIVE\WRM



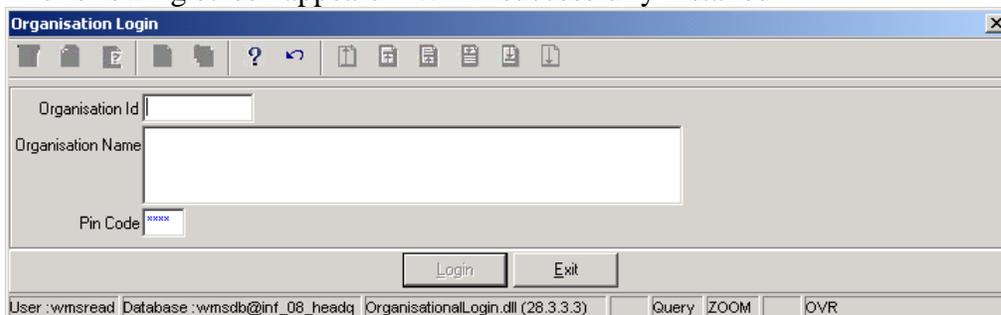
Double click the icon

The following screen appears – login

Click OK



The following screen appears – WRM successfully installed



7. INSTALL MON MAN

INSTALL MAGIC UNIPAAS on PC

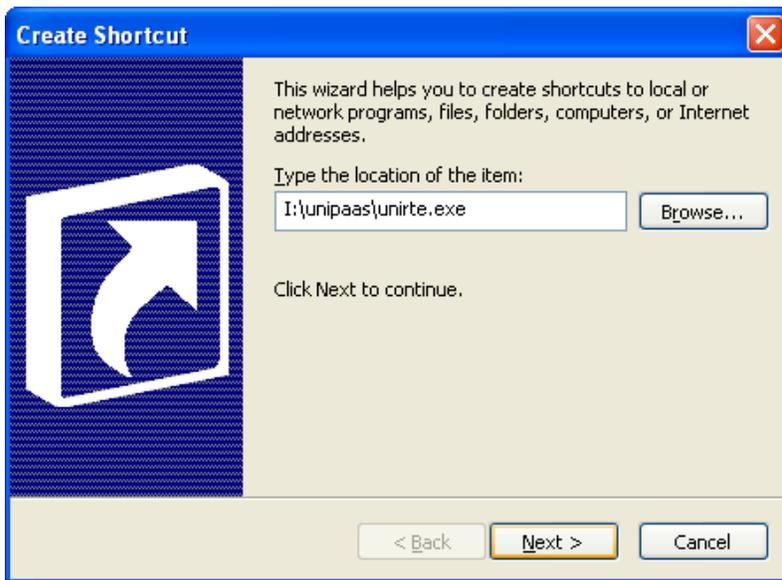
Create shortcut for Monitoring Management:

On the desktop right click the mouse and select New and then Shortcut.

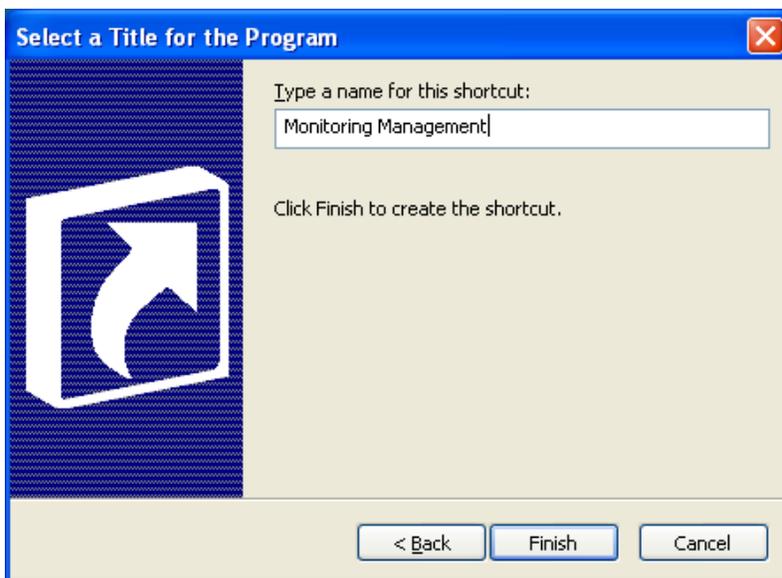
In the Location of Item type:

For Regional Offices Type: **i:\unipaas\uniRTE.exe**

For Head Office type: f:\app\unipaas\uniRTE.exe



Press next and type Monitoring Management in the Name field:

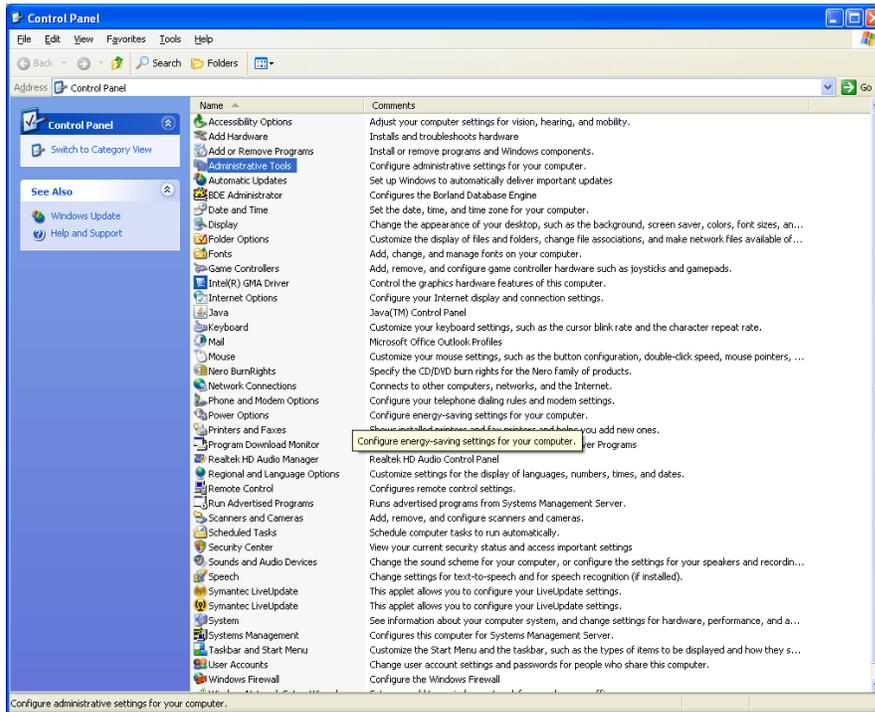


Click Finish.

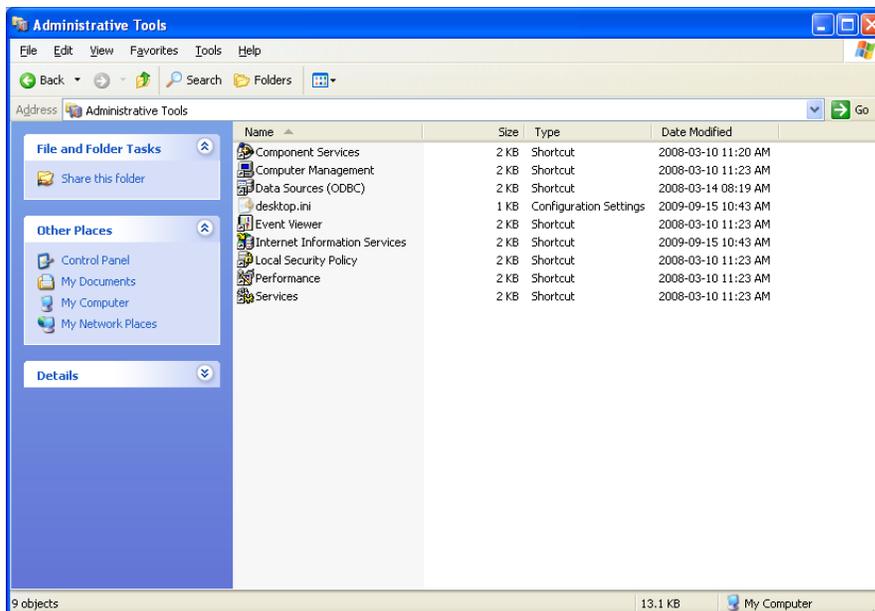
Shortcut will be on the desktop.

THAT IS ALL FOR MAGIC

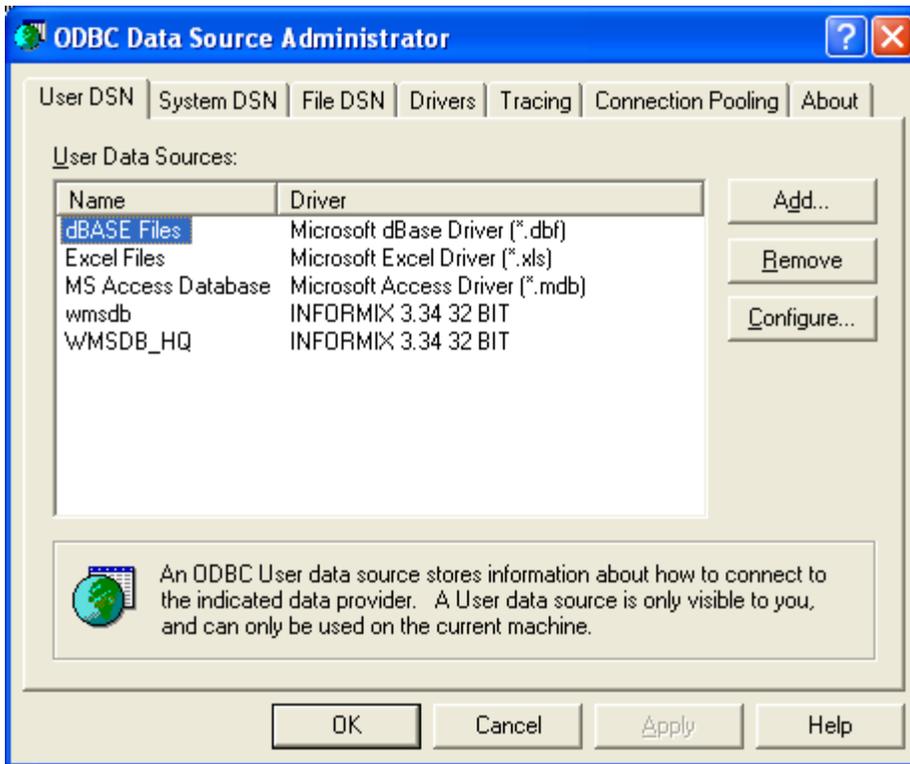
Setup of ODBC datasource:
Click Start – Control Panel



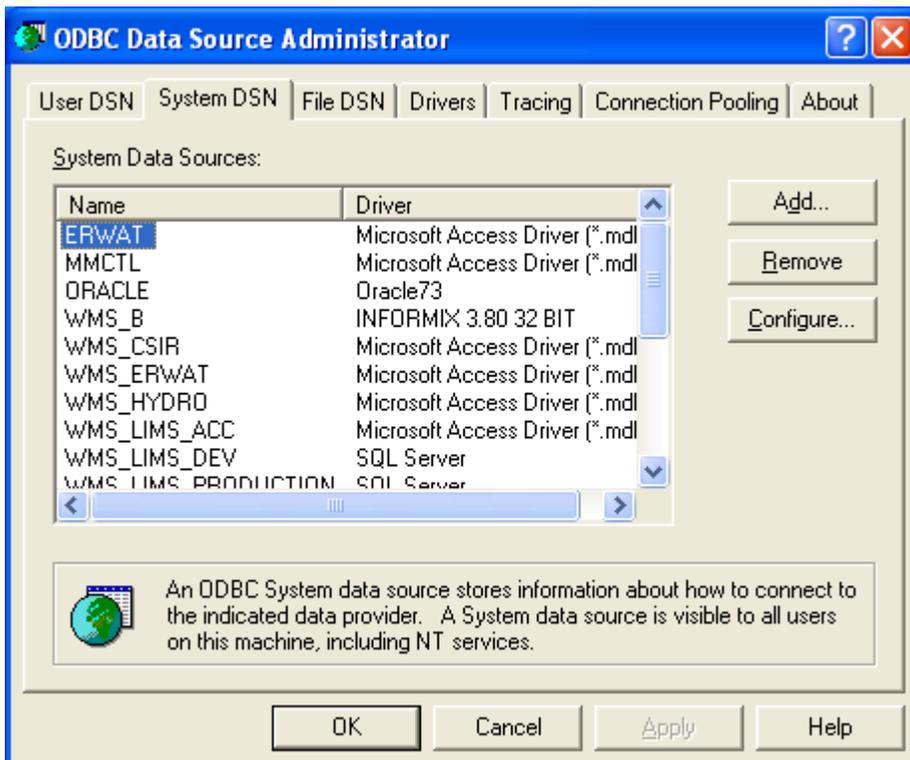
Double Click Administrative tools



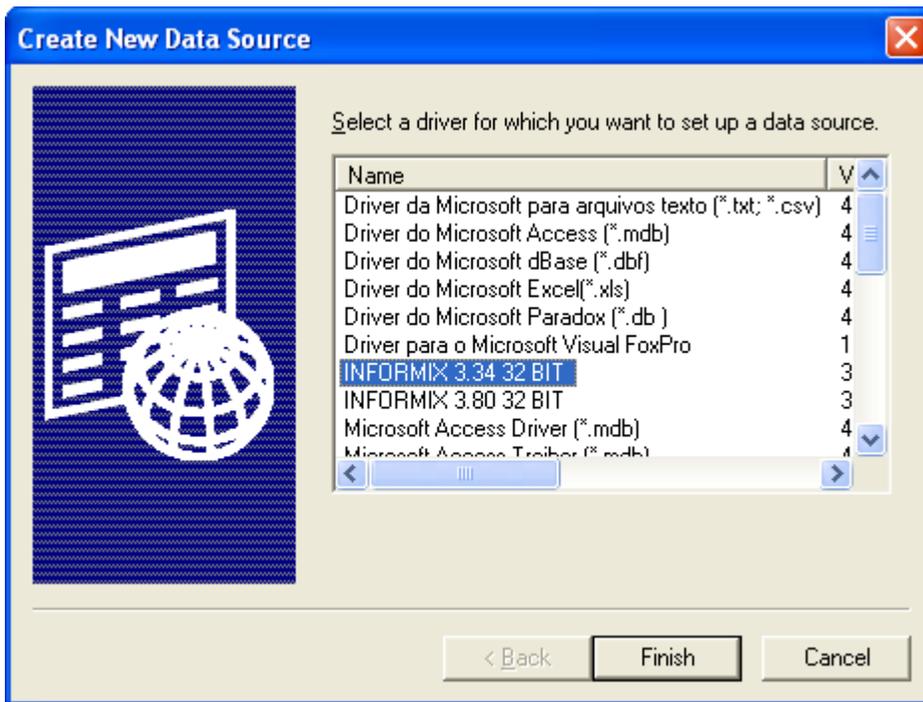
Double Click Data Sources (ODBC)



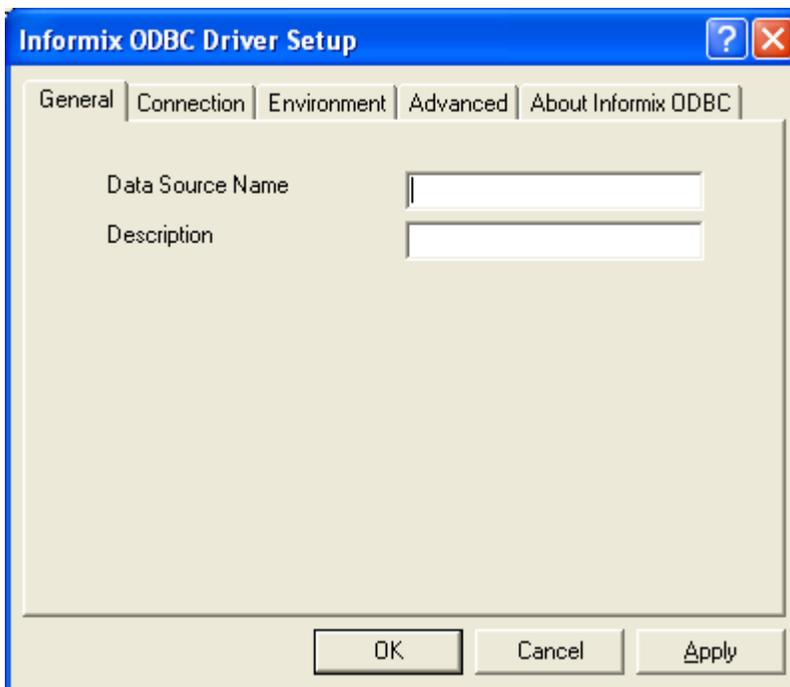
Click on System DSN tab:



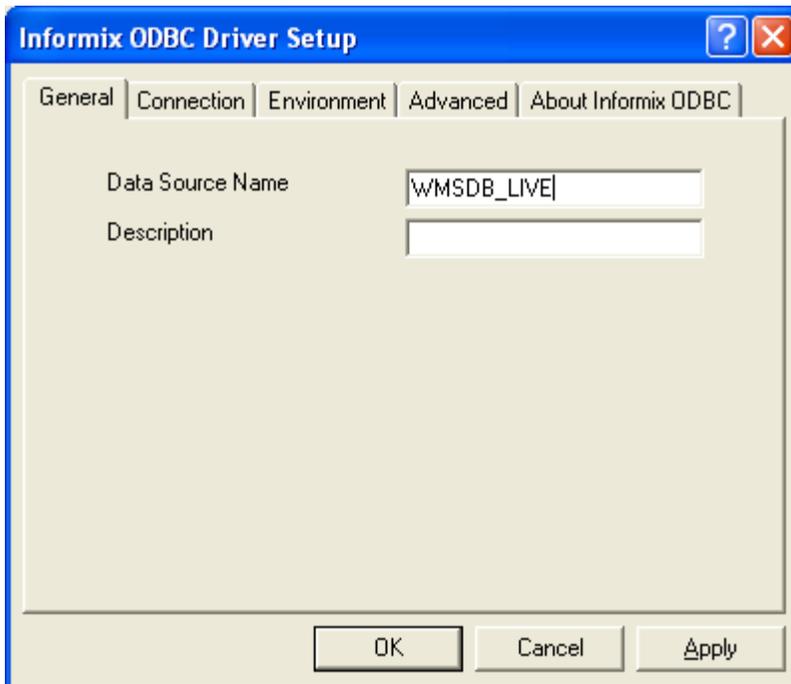
Click ADD Button:



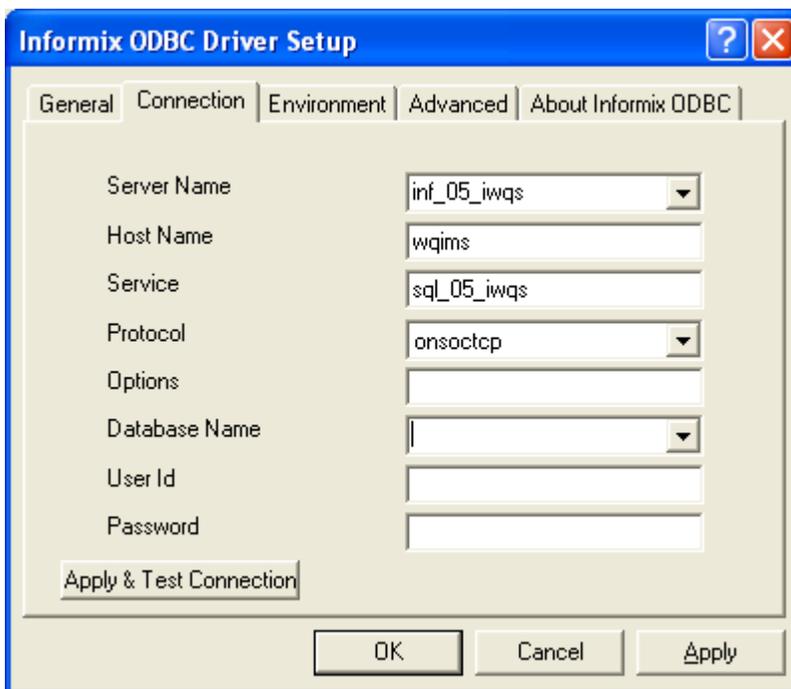
Select Informix 3.34 32 Bit and click finish.



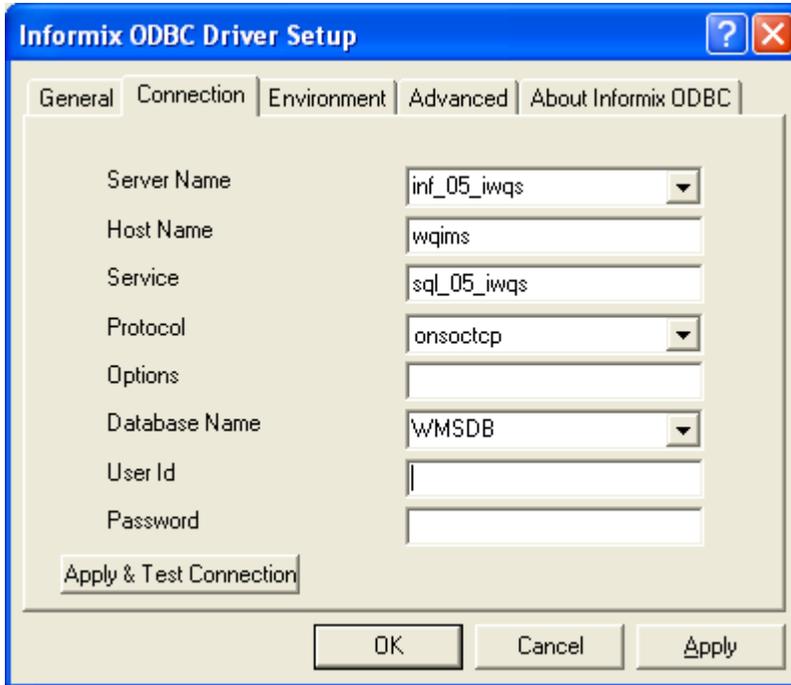
In data source name type: WMSDB_LIVE



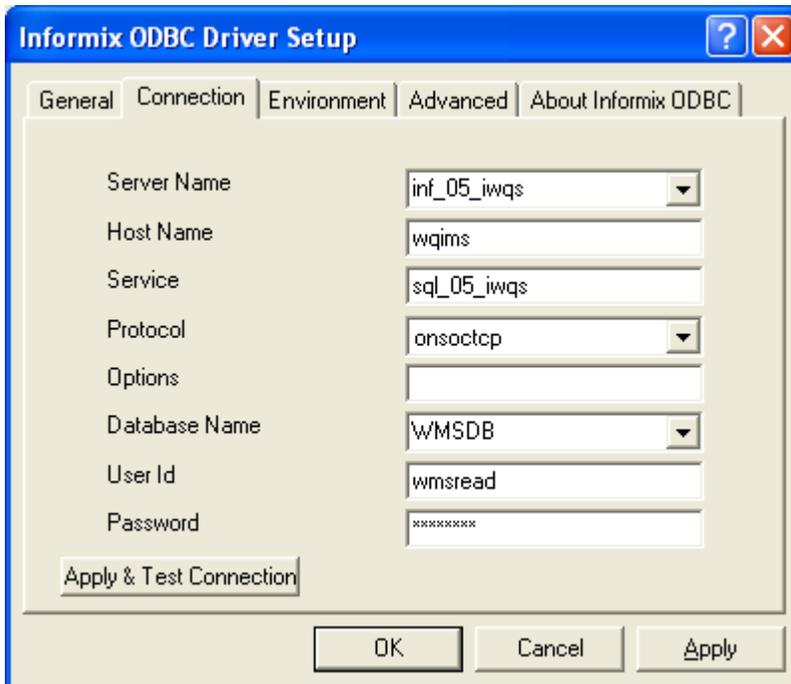
Click the Connection tab
and select the correct database information. eg (inf_05_iwqs)



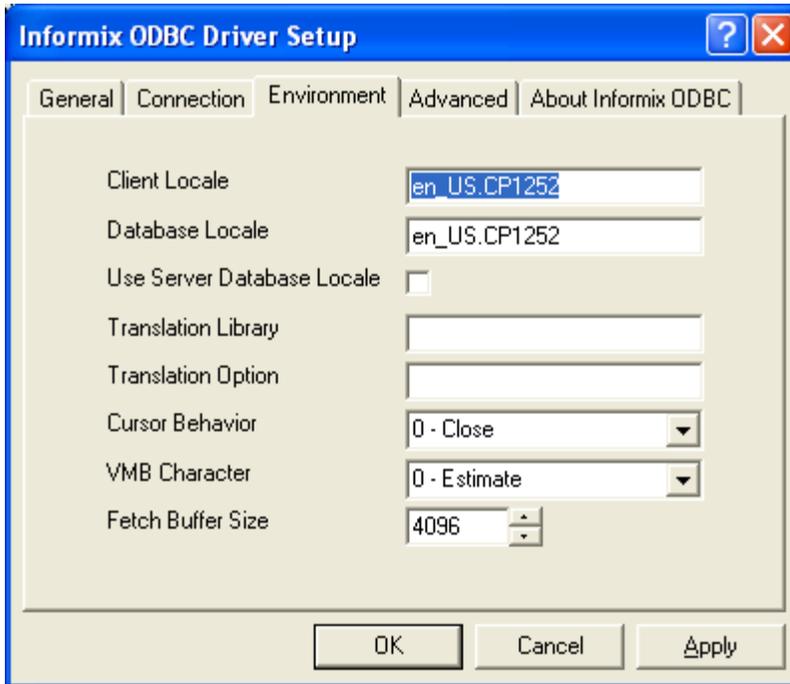
Input the correct database name (WMSDB)



Enter your WMS username and Password



Press the Environment tab.



Make sure the Client Locale and Database locale is the same and the Use server locale checkbox is empty
Click on the connection tab again and
Press the Apply & Test button:
The following should appear:



(if not check input data again and if correct and connection not successful please contact support team)

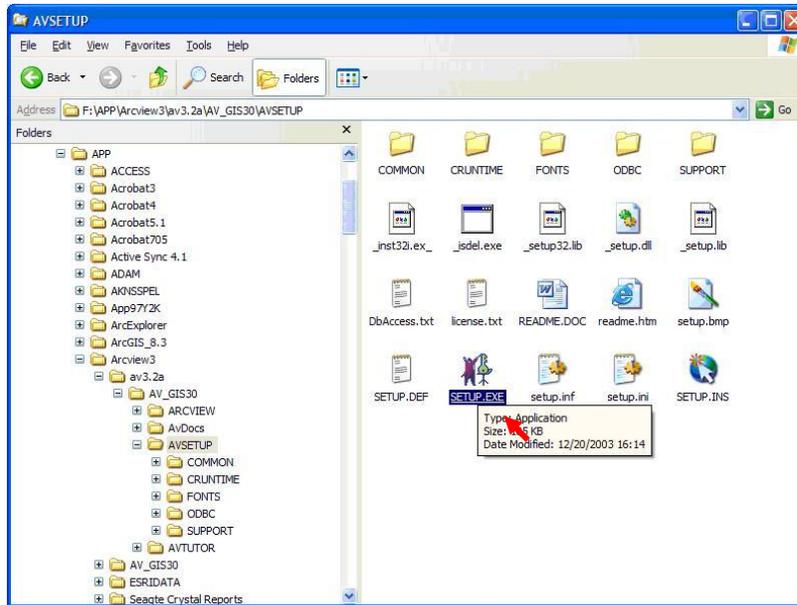
Press OK button 3 times (ODBC will close):

8. INSTALLATION OF ARCVIEW

8.1 Installation of ArcView GIS 3.2a

Run setup.exe from ArcView 3.2a installation CD.

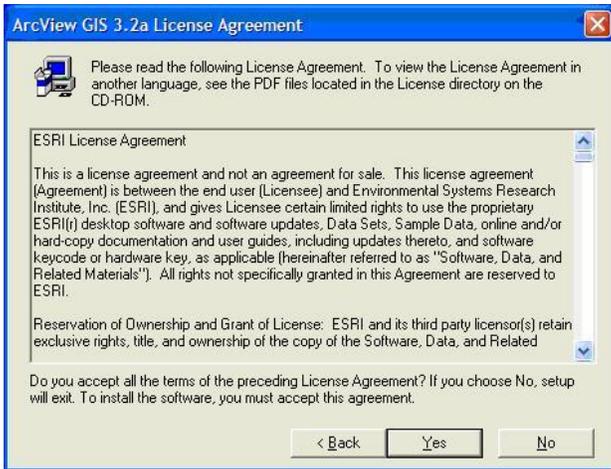
(If CD does not start automatically search for the setup.exe file on the CD and execute the file)



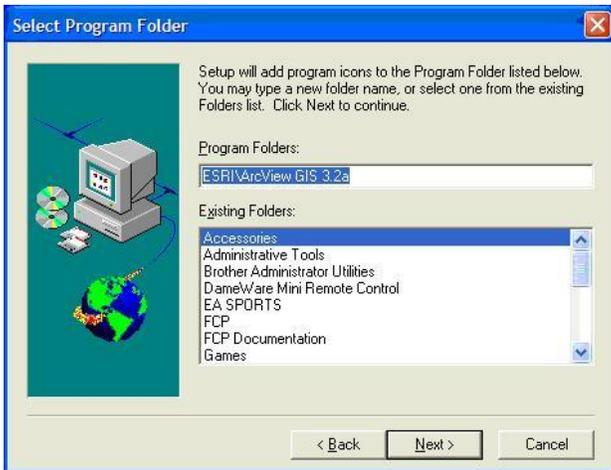
Click Next.



Click Yes.



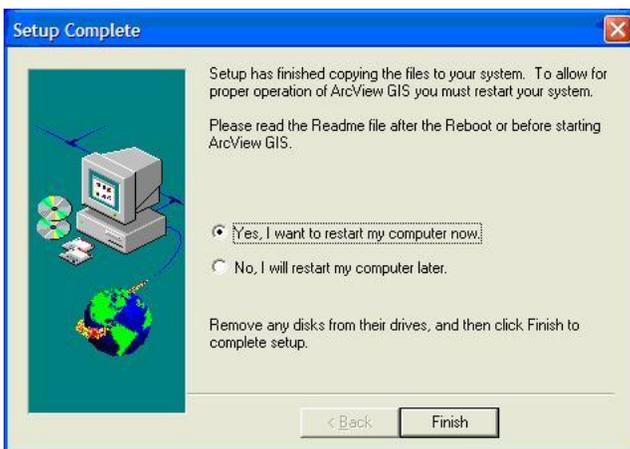
Click Next



Click on the 'install' button to begin installation.

If the message pops up asking if you want to install crystal, click "No"

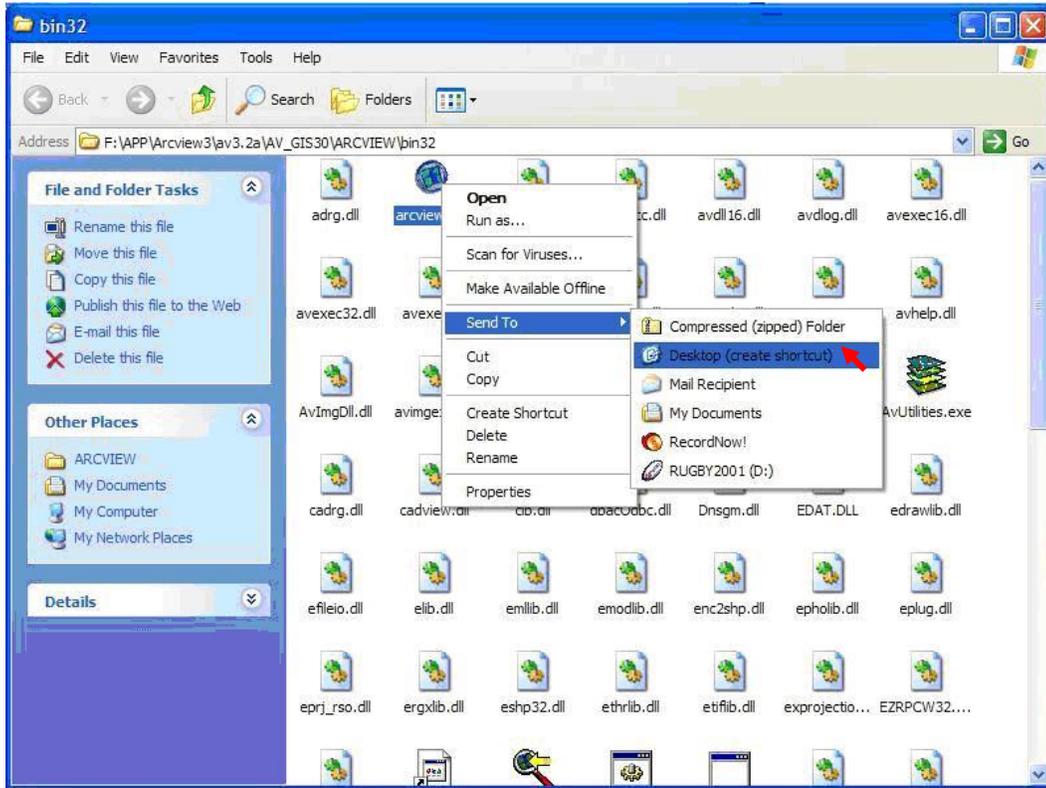
Select "Yes, I want to restart my computer now". Click Finish. *See Fig 6.*



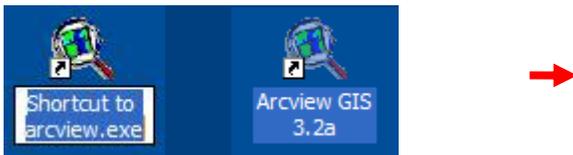
(THIS STEP IS NOT REQUIRED IF USER ONLY USES ARCVIEW FOR WMS)

After the computer has restarted, you need to create a shortcut to the Desktop. Go to F:\APP\Arcview3\av3.2a\AV_GIS30\ARCVIEW\bin32. Right Click on the “Arcview.exe” file, goto “Send To – Desktop (create shortcut) See Fig 7.

Fig 7.



Go to the Desktop. Rename the Arcview icon to “Arcview GIS 3.2a”



Arcview GIS 3.2a Installation Completed.

8.2 Running ArcView.

You can now continue using ArcView. In an error event see “Trouble Shooting” or ask your Systems Administrator.

8.3 TROUBLE SHOOTING

The Following section describes some possible solutions if you're having problems with ArcView GIS.

Question: I do not know where the setup.exe file lay on the network.

Answer: Please call computer helpdesk for assistance, and ask them where on the network the setup.exe reside. It may be that you do not have access rights to the directory on the network called . \Arcview3, and will not even have read rights to this directory. Ask Helpdesk to give you access rights to this directory in order for you to run the set-up.

Question: If I Select 'Yes, I want to restart my computer now' radio button, and press the FINISH button on my PC, nothing happens

Answer: Please close ArcView installation by pressing the 'No, I will restart my computer later' radio button, and restart the PC manually.

Question: When I try to start ArcView GIS, nothing happens or I get an error message. How can I get ArcView GIS To start?

Answer: Check the Following:

- Make sure the system's date and time is correct.
- Optimize the virtual memory settings.
- Check to see if you have a default.apr file in your HOME or TEMP directory. If you had a previous version of ArcView installed on your computer and recently installed the latest version of ArcView GIS, your previous installation may not work. To remedy this, either Delete or Rename the default.apr in your HOME or TEMP directory. Deleting/Renaming this file will remove any customized changes made in ArcView GIS.

If there are any other problems please ask your System Administrator, or use you "ArcView GIS Installation Guide" provided with ArcView package.

9. INSTALLATION OF WMS GIS.

9.1 Requirements for Installation

Before you install any product you shall ensure that the workstation on which you will be effecting the installation has met the prerequisites. Detailed prerequisites for the Installation of ArcView Products can be found in the Product Installation guides. As a guideline, the following is applicable for the installation of ArcView:

- Personal Computer: PC with at least a Pentium or Higher Intel-based microprocessor, a hard drive, and a CD-ROM drive (if installation is not performed from the Network).
- Install ArcView from a Network: No additional license or hardware key required. Operating System: MS Windows NT Workstation 4.0 or higher (Service pack 6).
- RAM: Minimum memory requirements to run ArcView is 24MB physical ram and 17MB virtual RAM. It is however recommended to have at least 64MB of physical Ram installed on your workstation for GIS to perform well. Request assistance from your ITSM on the configuration of Virtual Memory swap files if necessary.
- Hard Disk Requirements: The product requires 10MB of hard disk space to install. WMS GIS require additional 200MB of disk space to store all the WMS data and relevant files.
- Display or monitor: Video graphics adapter (VGA), 800x600 pixel resolution as a minimum. Higher resolution and 256 (or more) colors systems are recommended. It is advisable to use a 17" (or greater) screen for high-resolution GIS functions.
- Pointing device: A Microsoft mouse or compatible pointing device.

9.2 Pre Installation steps

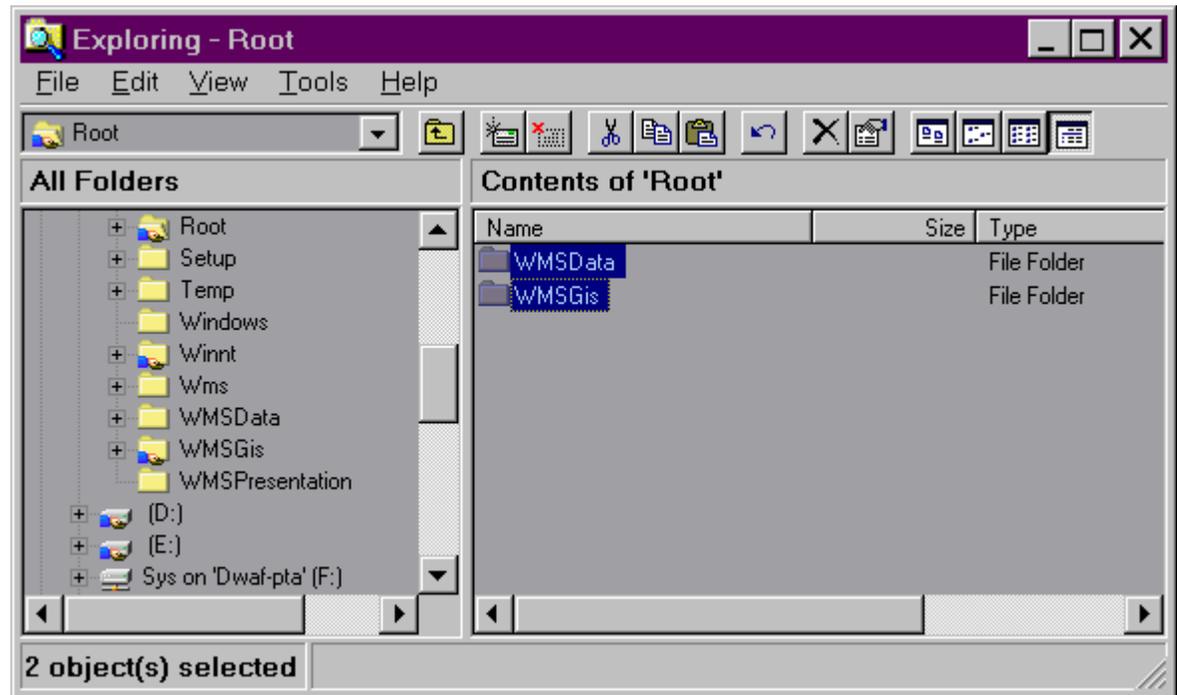
Before installation, please check that there is enough disc space on the PC's C:\ drive, if not, please clean up some space (\pm 200.Meg or more). If there is not enough space, please use the alternative disc drive if there is another disk. If alternative disk is used, please use the disk drive any place that the C:\ drive was specified during the installation document.

If ArcView 3.2a runs on a XP operating machine, please run cd dir :gis_install\ArcViewWinXPPatch\ArcView GISPatch4WinXP.exe from the CD provided

9.3a Installation steps

Through Windows Explorer, open the directory that holds the distribution files of WMS GIS. The System Administrator must provide you with an installation CD-ROM that holds the program files. Refer Picture 1.

Select the two directories (WMSDATA and WMSGIS) from the CD in the directory cd drive\gis_install



Press the File Menu => Edit option of the Exploring Window (See Figure above), choose the Copy option from the menu option.

Go to the local drive C:\ on the Installation PC. Press the File Menu => Edit option of the Exploring Window (See Figure above), choose the PASTE option from the menu option to copy both the directories and all the relevant sub directories and files in these directories to the local PC's hard drive. If there is not enough space on the C:\ Hard Drive, the data can be copied to the alternative hard drive (D:\) if such drives exist. If the data is copied to another hard drive, all the references in this portion of the installation to C:\ must be changed to D:\

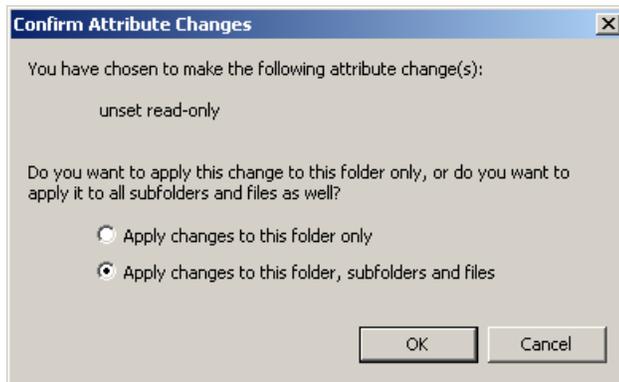
Copy the network ...\\wms_live\GIS\wms.apr file to c:\wmsgis\views

After the directories WMSDATA and WMSGIS were copied from the CD, please right click on both directories and go to the Properties option. On the Properties page, go to the General tab.



Properties Page

On the Properties page, click on the correction mark in Attribute called Read-only to switch this option off. Press the Apply button. The next page will appear.



Attribute Change Form

Press the Apply changes to this folder, subfolder and files and press OK. All the directories will have read and write rights allocated to them.

9.3b Version Problems

If there is a version problem when running WMS- GIS, go to the latest release data on the network (..\WMS_live\gis\) directory. Read the release notes of which files to release, how to execute them and where to run such files. If there is a problem, log a call with Arivia for an update on GIS.

9.4 Set-up of all Environmental Variables on WIN 2000.

There are a few System and User variables that have to be set up for WMS GIS to work properly.

In order to add these variables, the person installing these variables must press the 'START' button at the Left corner of the screen. Click on 'Settings'- Control Panel, double click on 'System'. The 'System Properties' page will open up (see

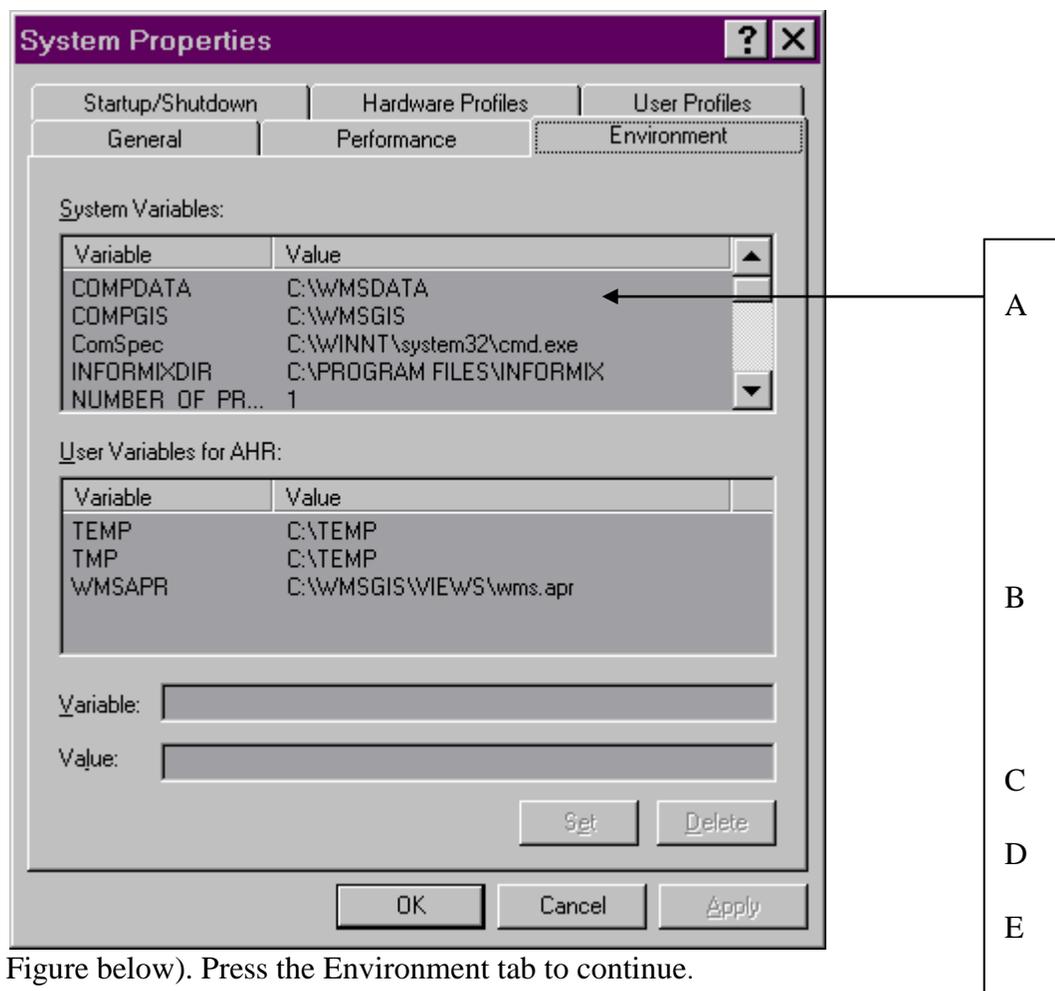


Figure below). Press the Environment tab to continue.

To activate the 'System variable' settings, select any variable on the 'System Variables' (A) or the 'User Variables' (B) to activate the 'User variable' settings

To set-up a variable Type the variable name in the ‘Variable:’ field provided (C) and the variable path in the ‘Value:’ field. (See ‘The variables to set up is as follow’ below)

When the values are typed in correctly, press the ‘Set’ key (E) to accept the value. (See ‘The variables to set up is as follow’ below)

When all the variables is set up correctly, press the ‘Apply’ button to accept all new changes. Press the ‘OK’ button to close the ‘System Properties’ form when finished.

PLEASE NOTE: If the directories WMSDATA and WMSGIS were copied to D:\ please change the values in the Value: record to show this.

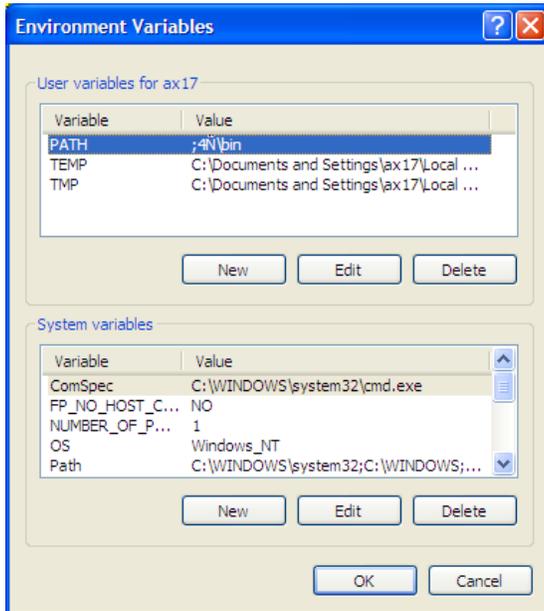
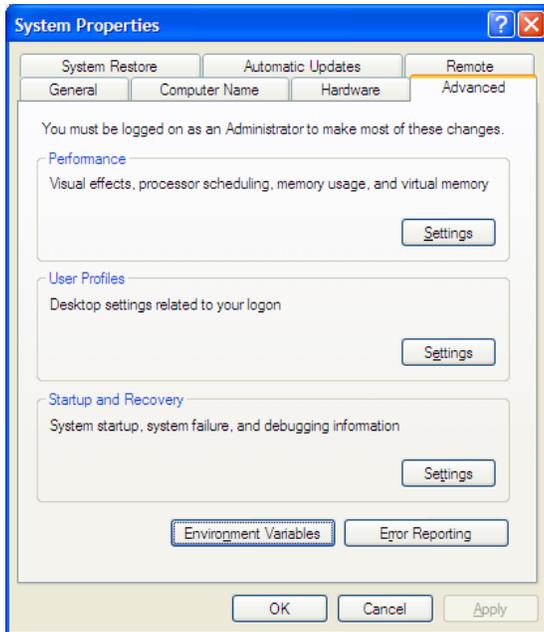
The variables to set up is as follow:

	Variable:	Value:
System	:	COMPGIS c:\wmsgis
	:	COMPDATA c:\wmsdata
		WMSAPR c:\wmsgis\views\wms.
User	:	WMSAPR c:\wmsgis\views\wms.apr

9.5 Set-up of all Environmental Variables on WIN XP.

There are a few System and User variables that have to be set up for WMS GIS to work properly.

In order to add these variables, the person installing these variables must press the ‘START’ button at the Left corner of the screen. Click on Start – Settings – Control Panel. If System icon is not available, press the Switch to Classic View. Double click on ‘System’ icon. The ‘System Properties’ page will open up (see Figure below). Press the Advanced Tab. Press the Environment Variable button to continue.



To add any 'System variable' settings, press the New button in the System Variable window space. To add any 'User Variables' settings, press the New button in the User Variable window space.

To set-up a variable Type the variable name in the 'Variable:' space provided and the variable path in the 'Value:' field provided. (See 'The variables to set up is as follow' below)

When the values are typed in correctly, press the 'OK' key to accept the value. (See 'The variables to set up is as follow' below)

When all the variables is set up correctly, press the 'OK' button to accept all new changes and to close the 'System Properties' form when finished.

PLEASE NOTE: If the directories WMSDATA and WMSGIS were copied to D:\ please change the values in the Value: record to show this.

The variables to set up is as follow:

	Variable:	Value:
System :	COMPGIS	c:\wmsgis
:	COMPDATA	c:\wmsdata
	WMSAPR	c:\wmsgis\views\wms.
User :	WMSAPR	c:\wmsgis\views\wms.apr

10. WINTERM INSTALLATION

To install a user via Winterm:

- Create a folder under C:
From ftp server **copy mstsc.exe** and **mstcsax.dll** to created folder

Create shortcut on desktop of mstsc and rename

Installation CHECKLIST

STEPS	Yes/No
Install BDE - Win XP	
Install Informix Client 2.7	
Run DBCONFIC and select correct Database	
Configure Informix Environment tab	
Configure Informix Server information tab	
Configure Informix Host Information tab	
Copy files : host and services	
Run Ilogin demo	
Create shortcut for WRM(Water Resource Management)	
Test if WRM connects to database	
Install Magic 9.3	
Copy files: magic.ini	
Set environmental variable "IMPORTDIR"	
Test if MM connects to the database	
Install ArcView 3.2a	
Install WMS GIS - check diskspace	
Copy Directories - WMSData and WMSGis	
Copy file : wms.apr	
Set environmental variables COMPGIS, COMPDATA,WMSAPR	

Region _____

Name _____

Signed