Central Market System Client (Type 2) Software Install & Configuration Guide

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1. Revision History

Rev Number	Date	Notes	Author
0.1	January 24th 2012	First Draft Created	SEMO IT
0.2	February 1st 2012	Second Draft Created	SEMO IT
0.3	February 8th 2012	Third Draft Created	SEMO IT
0.4	March 8th 2012	Fourth Draft Created	SEMO IT
0.5	March 23rd 2012	Fifth Draft Created	SEMO IT
0.6	April 26th 2012	Final Draft	SEMO IT
0.7	October 8th 2012	Section 11 Added	SEMO IT
0.8	December 6th 2013	Java details updated	SEMO IT
0.9	January 27th 2014	BackPlane OCX File Link added	SEMO IT
1.0	March 3rd 2014	Introduction changed and Java Installation update with Java 1.6u43. BackPlane information updated.	SEMO IT

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2. Introduction

This document is intended to provide a high-level overview of the software that is required to be installed on Client PC's to access the Central Market Systems (CMS). Please note that all prerequisites listed in this guide must be met to ensure successful access to the Central Market Systems.

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3. User requirements for changes to be carried out

Please ensure you have administrator permissions on the client PC before making these changes.

Ports to Access Central Market Systems

Please ensure your PC can access the following ports:

MPI = Port 443
Settlements = Port 448

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4. Certified and Supported Operating Systems And Client PC Specifications

Any clients accessing the CMS require one of the following Operating Systems:

- **Windows 7**
- **Windows XP - requires Service Pack 3 (SP3) to be installed**. SP3 can be downloaded at this link.

http://www.microsoft.com/downloads/details.aspx?familyid=5b33b5a8-5e76-401f-be08-1e1555d4f3d4&displaylang=en

Specifications

The following are the minimum machine specifications needed for Client PC access for CMS.

Windows XP

The minimum hardware requirements for Windows XP Professional include:

- Intel Dual-Core 2.0 gigahertz (MGHz) processor or faster (Intel Quad-Core with 2.2 GHz is recommended)
- At least 2048 megabytes (MB) of RAM (3096 MB is recommended)
- At least 5 gigabytes (GB) of available space on the hard disk
- Keyboard and a Microsoft Mouse or some other compatible pointing device
- Video adapter and monitor with Super VGA (1280 x 768) or higher resolution. Recommended resolution is 1600 x 900.
- Sound card
- Speakers or headphones

Windows 7

The minimum hardware requirements for Windows 7 Professional include:

- Intel Dual-Core 2.0 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
- 2 gigabyte (GB) RAM (32-bit) or 4GB RAM (64-bit)
- 16 GB available hard disk space (32-bit) or 20 GB (64-bit)
- DirectX 9 graphics device with WDDM 1.0 or higher driver
- Video adapter and monitor with Super VGA (1280 x 768) or higher resolution. Recommended resolution is 1600 x 900.

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5. Internet Browser Specification

Internet Explorer 8 (32Bit) is the only certified browser that can be used to access the Central Market System.

Internet Explorer 8 can be downloaded from the link below.

Please note that only the 32Bit version of the browser should be used.

Republic of Ireland

http://windows.microsoft.com/en-ie/internet-explorer/products/ie/home

UK and Northern Ireland

http://windows.microsoft.com/en-gb/download/internet-explorer-8-details.aspx

If required, click on the download button to access the download page.

Select your Operating system from here and follow the prompts to install IE8

Ensure you follow any system requirements or instructions given on the page.

6. XForms/FormsPlayer Information

BackPlaneBX 1.0.19 is the current supported version of XForms/FormsPlayer

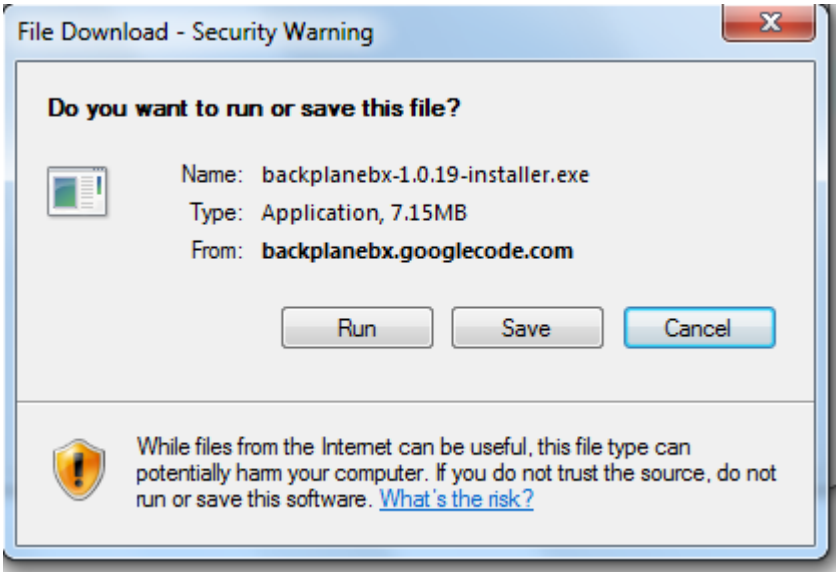
This section of the document details how to install FormsPlayer on both Windows 7 and Windows XP Operating systems.

Section B - BackPlane BX 1.0.19 Installation for Windows 7

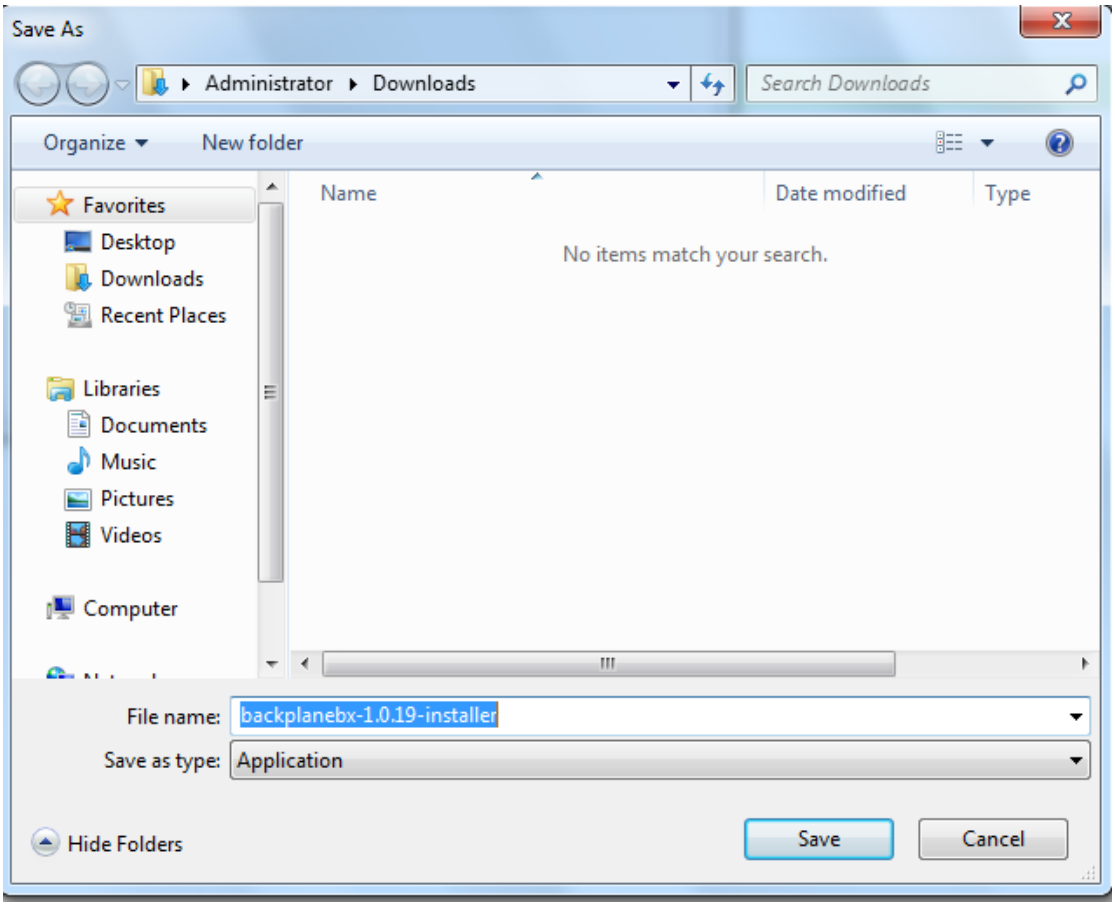
BackPlane BX 1.0.19 can be downloaded from this link

http://code.google.com/p/backplanebx/downloads/detail?name=backplanebx-1.0.19-installer.exe&can=2&q=

Click on the link to download the software.



Save this to an easily accessible location.



Select SAVE to download the software

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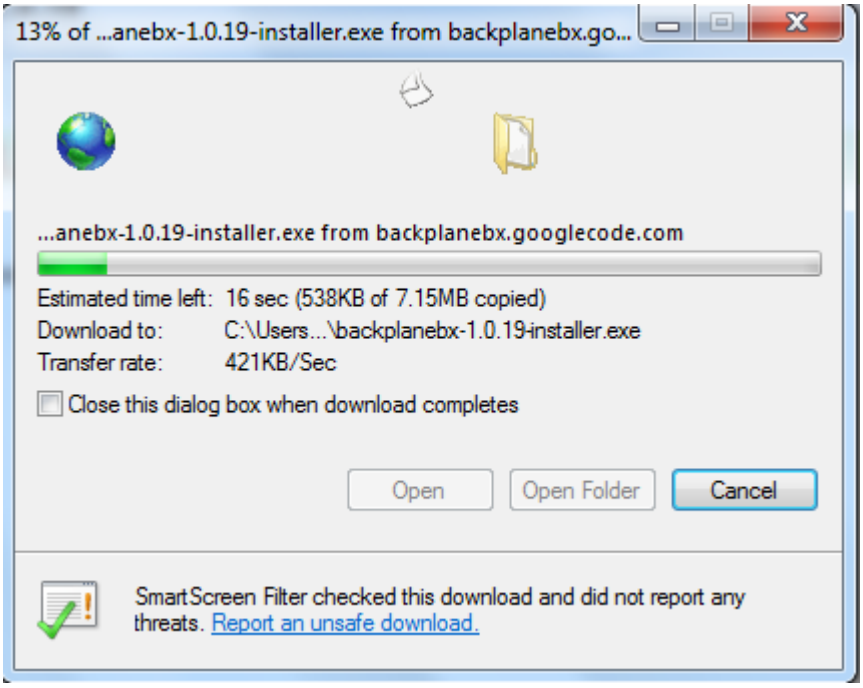
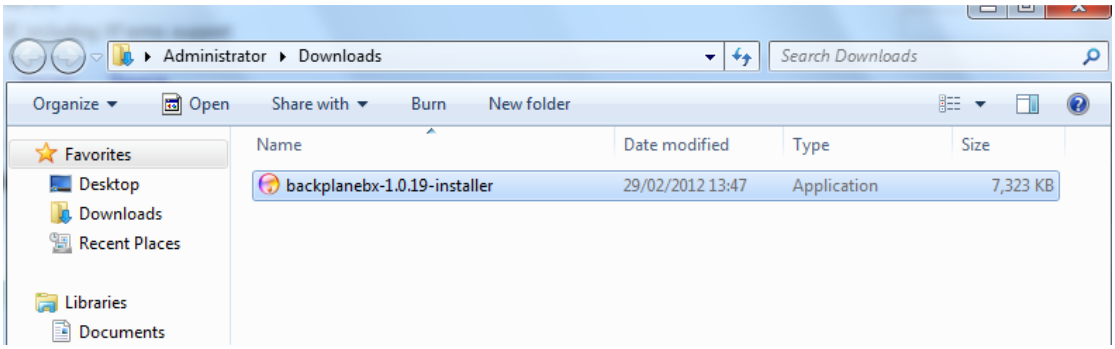
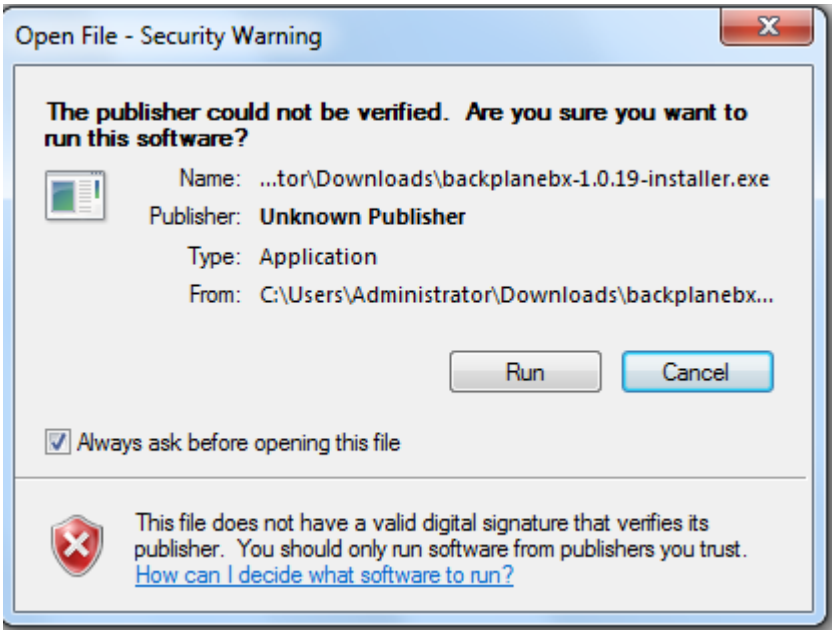


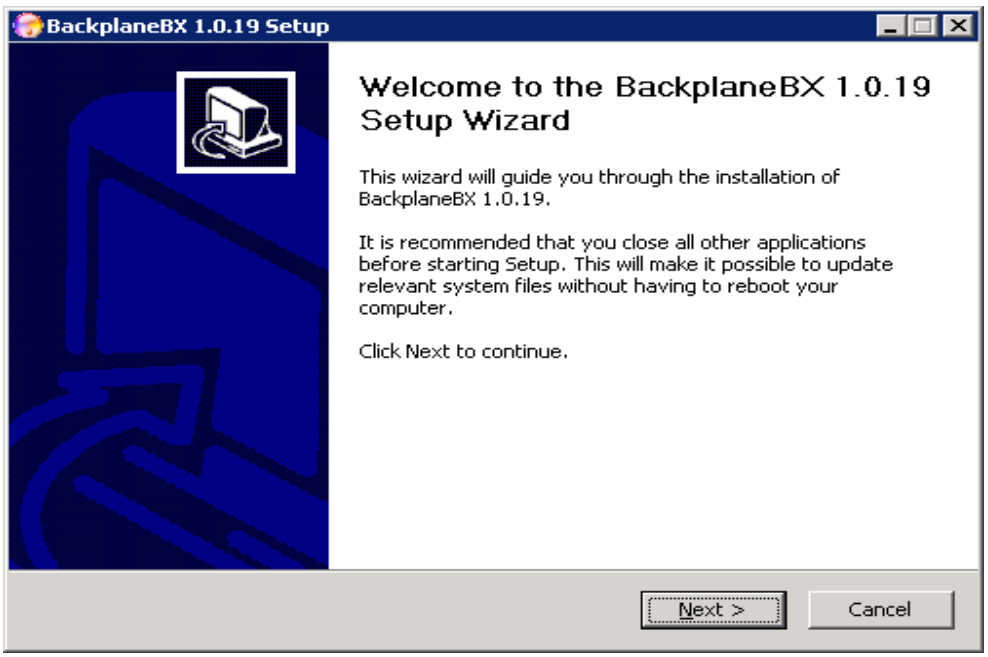
When the download is complete, go to the directory that you saved the software and double click on it to open.



You will be prompted to install the software – click on Run.



1. When the installer launches and click Next to continue



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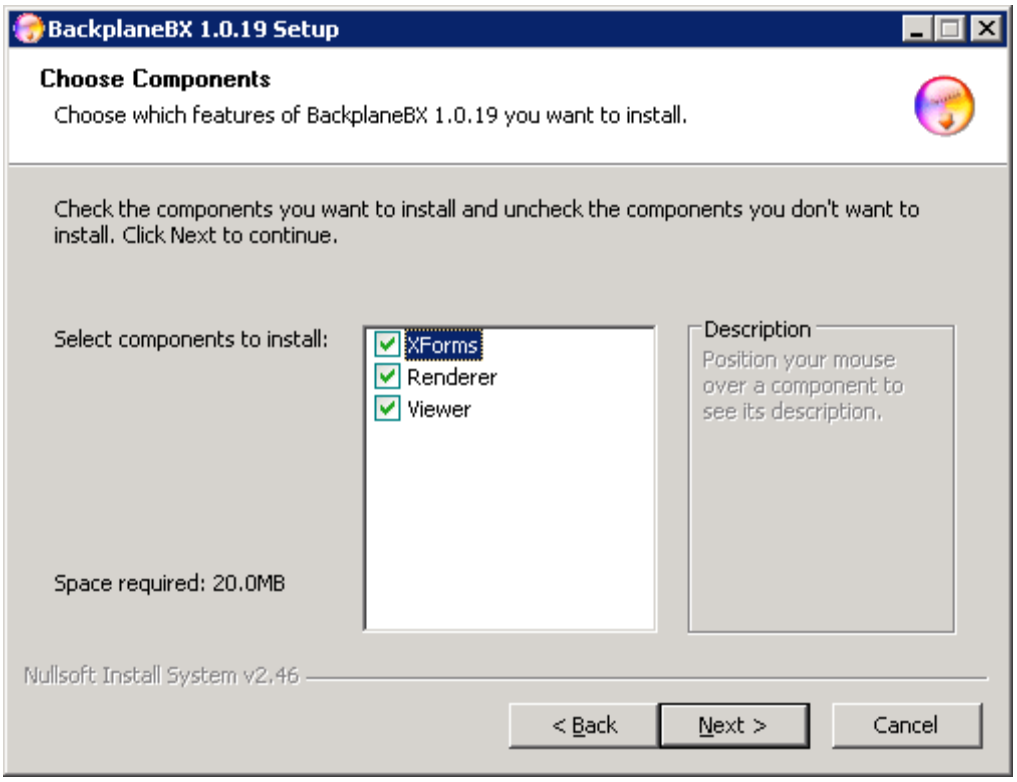
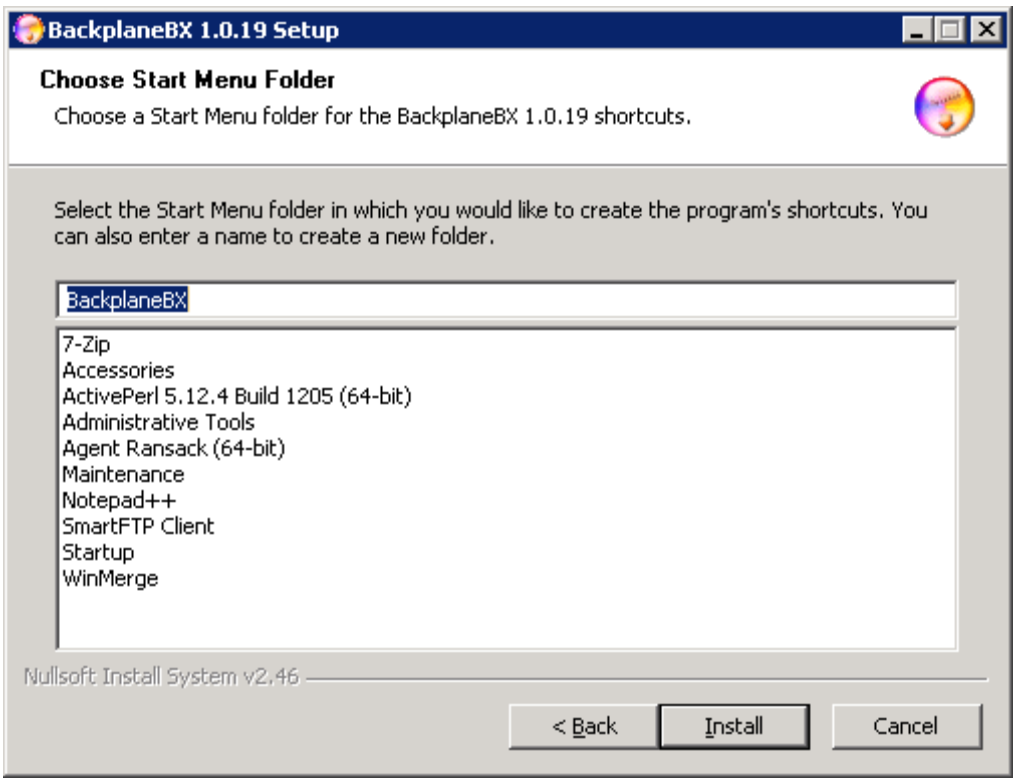
2. Make sure all three components are selected, and click Next to continue



3. Leave the default value of BackplaneBX for the start menu folder and click Install



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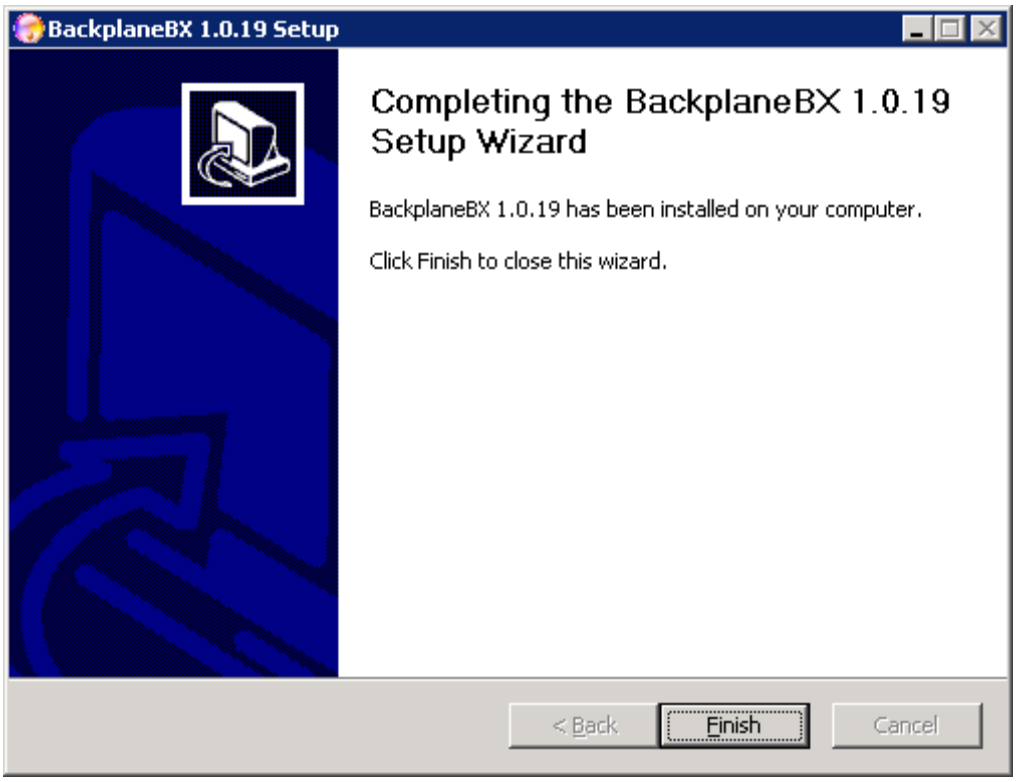
4. When the installation is complete, click Finish to close the installer.



5. The files MSCOMCT2.OCX and MSCOMCTL.OCX are linked in this document. You will find them in Section 11 / Page 36.

   Copy these remaining files (MSCOMCT2.OCX and MSCOMCTL.OCX) to the C:\Windows\SysWOW64 directory. You may need to provide administrator permission to copy the files here. Click Continue when prompted.

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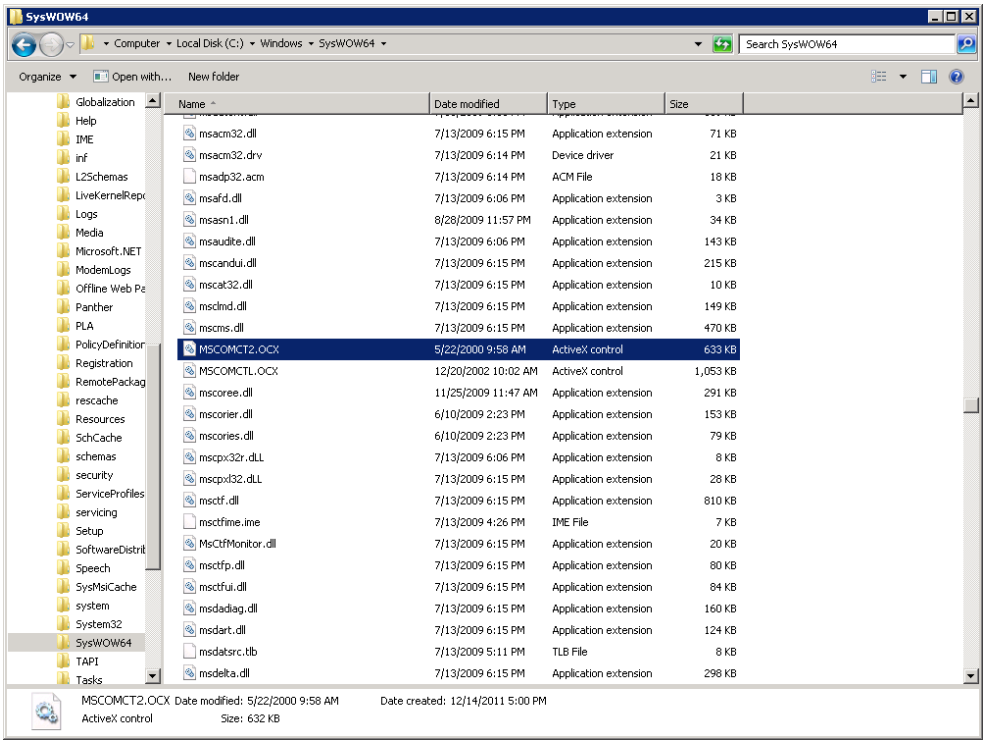
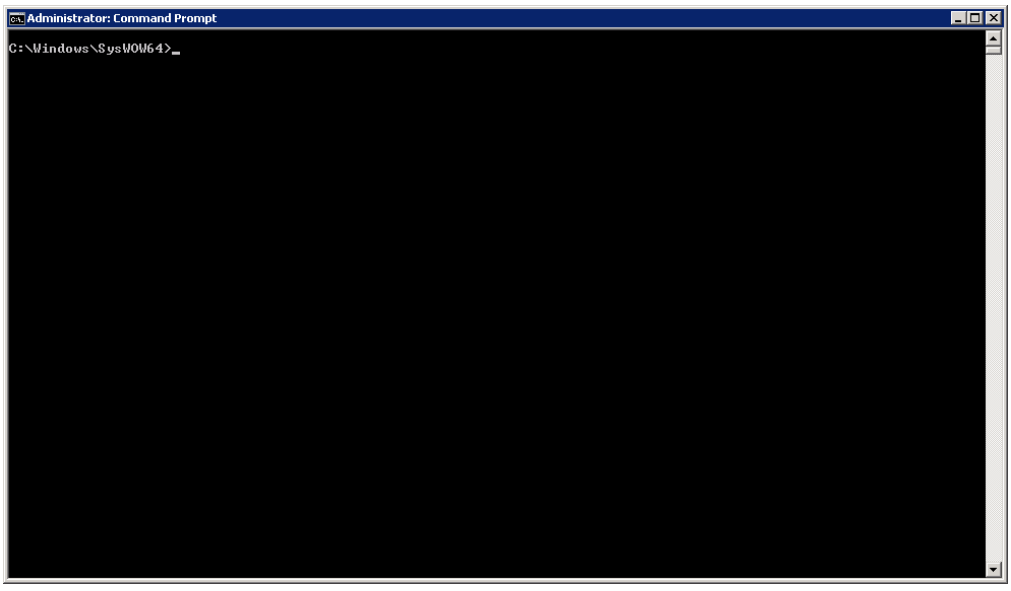
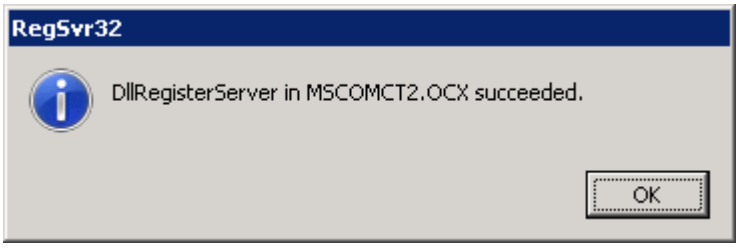


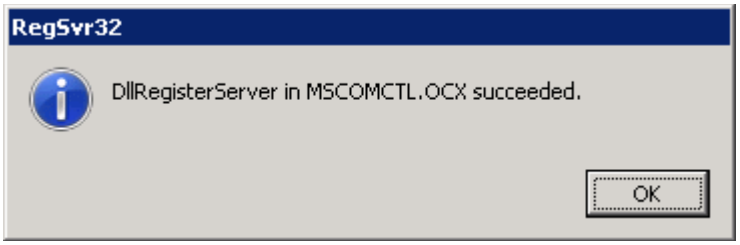
6. Open a command prompt – if using Windows 7 do so by right clicking on the icon and selecting Run As Administrator. Click Yes at the User Account Control prompt. In the command prompt window, change the directory so you are in the C:\Windows\SysWOW64 directory.



7. Run the following commands:
   regsvr32 MSCOMCT2.OCX
   regsvr32 MSCOMCTL.OCX

After each command, you should get a pop-up window telling you that the command succeeded. Click OK to dismiss this notification.



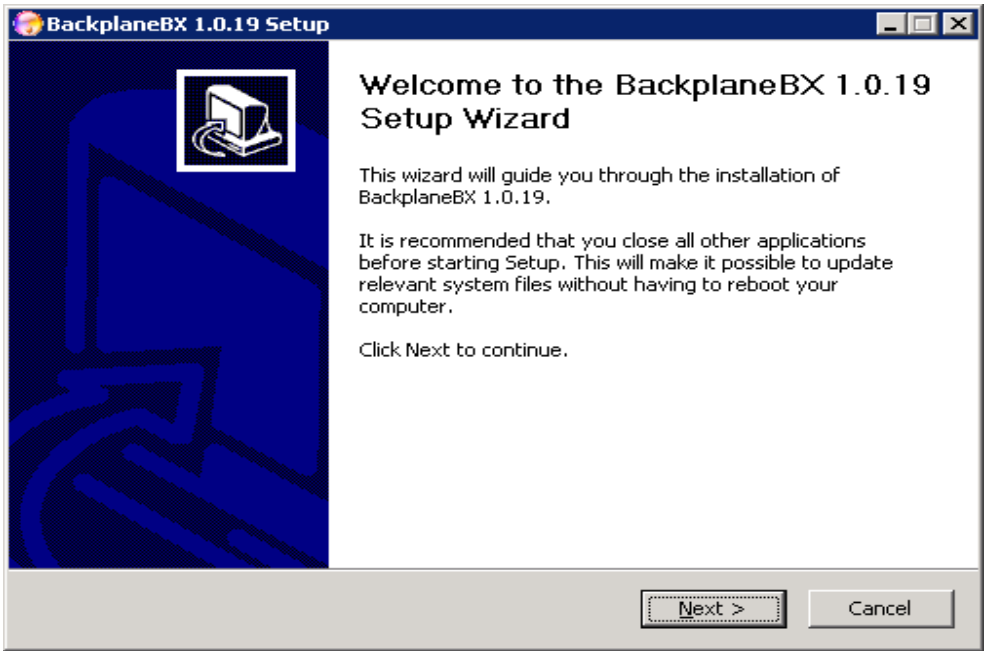


8. The installation is complete. You can now close the command prompt window.

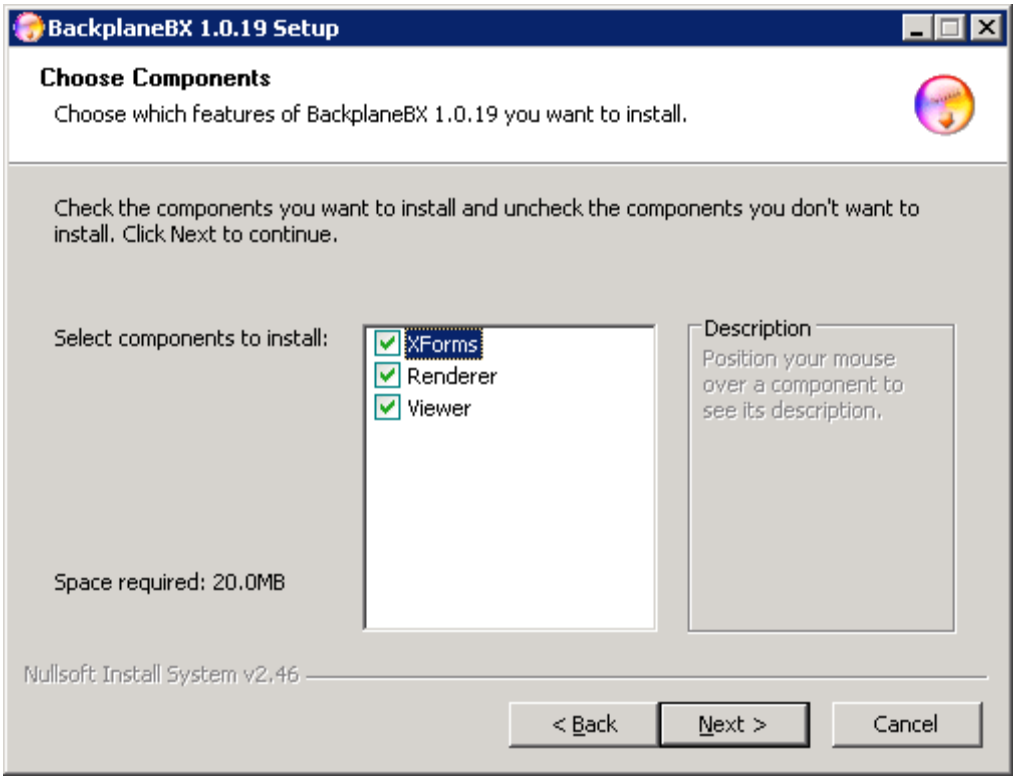
7. BackPlane Install for Windows XP (SP3)

Follow the download instruction No.6 – Section B to download the BackPlane Software. Then complete the install as follows.

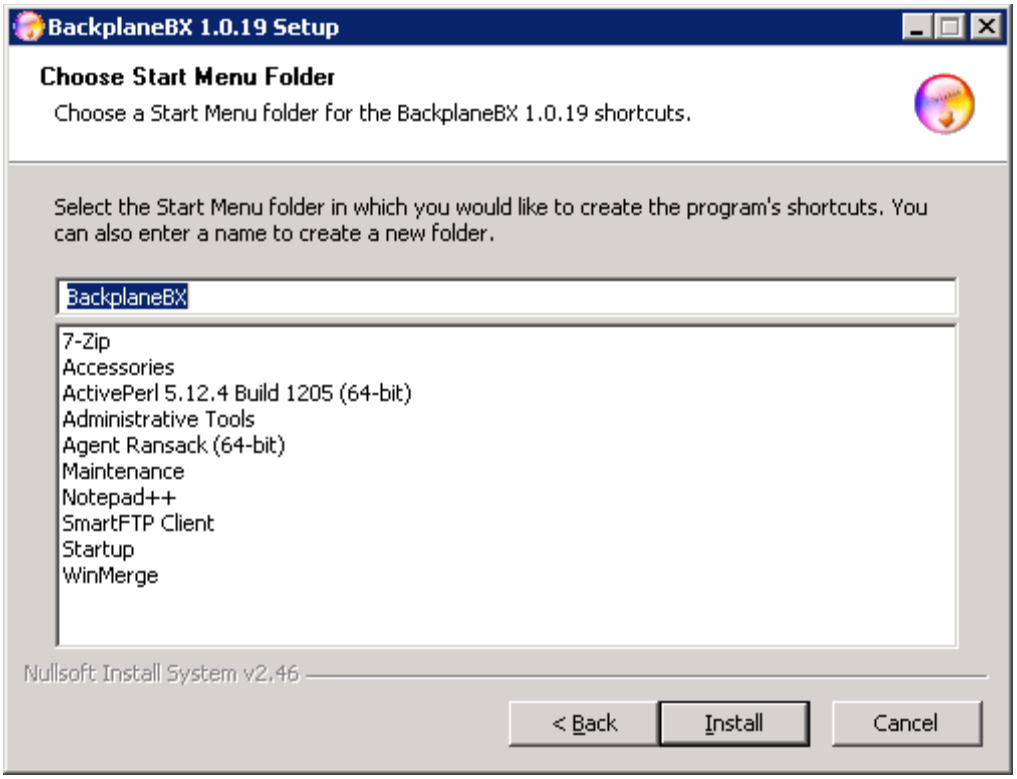
1. Launch the installer and click next to Continue.



2. Make sure all three components are selected, and click Next to continue



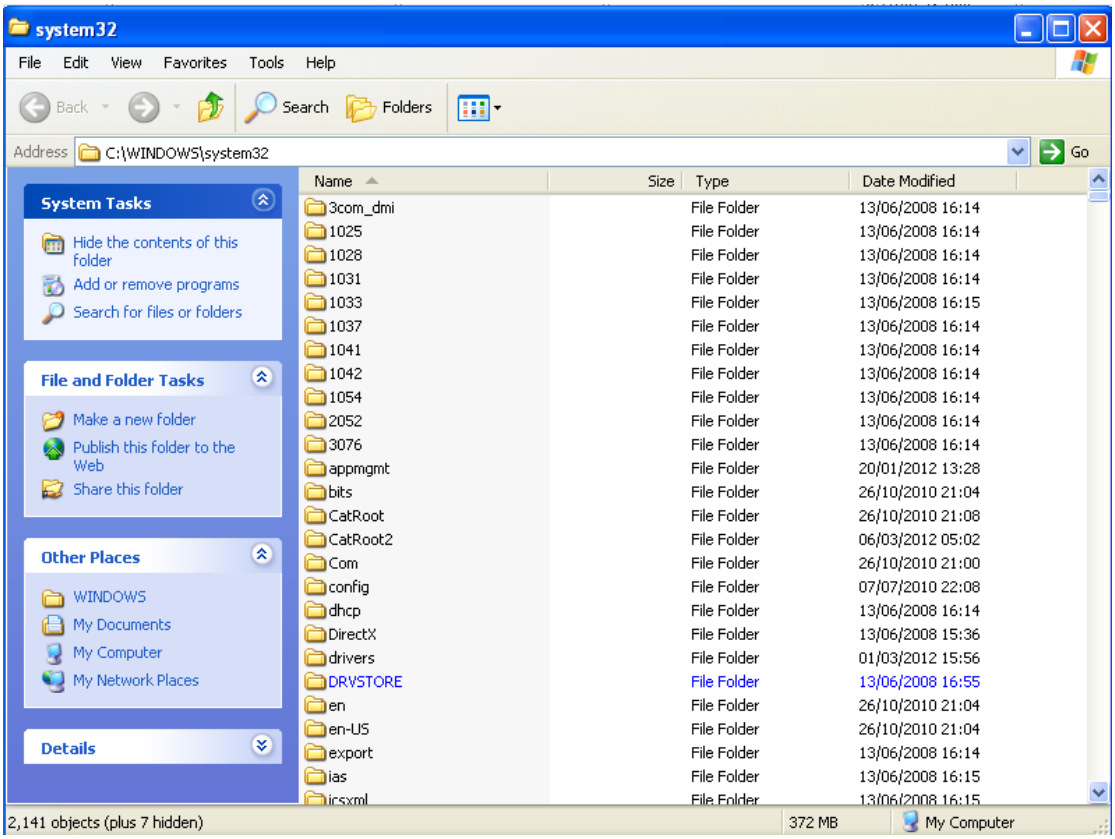
3. Leave the default value of BackplaneBX for the start menu folder and click Install



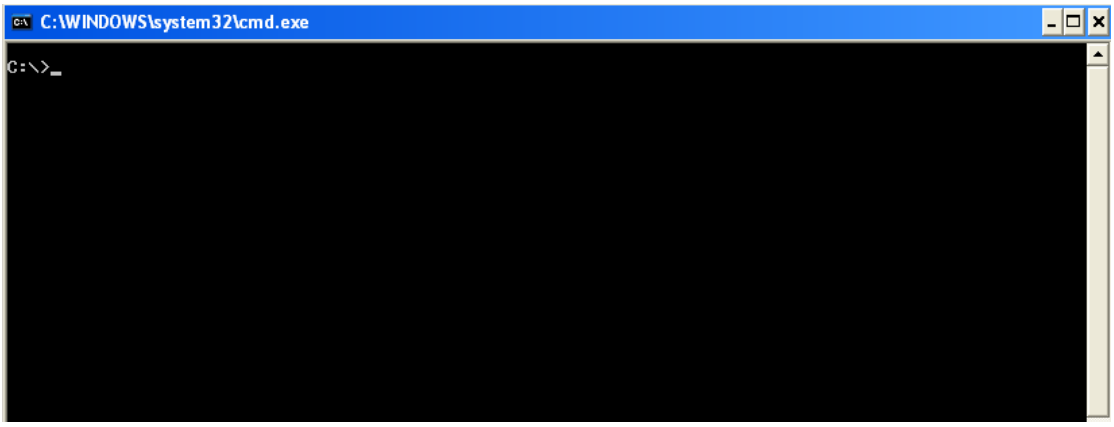
4. When the installation is complete, click Finish to close the installer.

1. The files MSCOMCT2.OCX and MSCOMCTL.OCX are linked in this document. You will find them in Section 11 / Page 36.

   Copy these remaining files (MSCOMCT2.OCX and MSCOMCTL.OCX) to the C:\Windows\System32 directory. You may need to provide administrator permission to copy the files here. Click Continue when prompted.

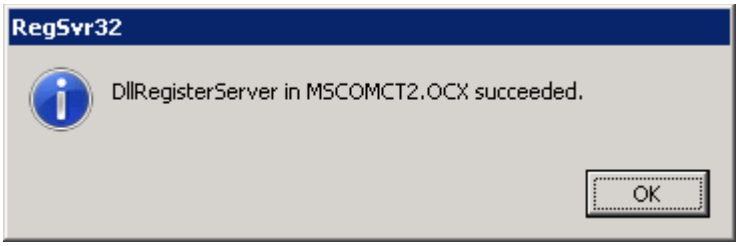


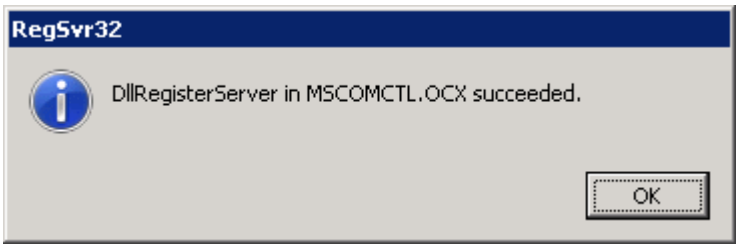
5. Open a command prompt. In the command prompt window, change the directory so you are in the C:\Windows\System32 directory.



6. Run the following commands:
   regsvr32 MSCOMCT2.OCX
   regsvr32 MSCOMCTL.OCX

After each command, you should get a pop-up window telling you that the command succeeded. Click OK to dismiss this notification.





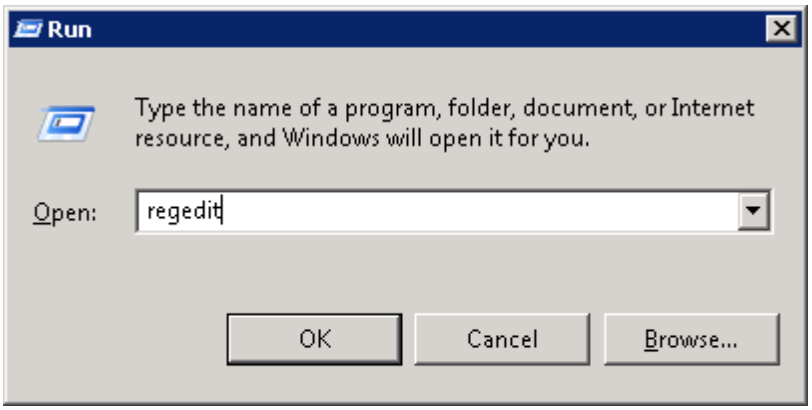
7. The installation is complete. You can now close the command prompt window.

8. Windows Configuration

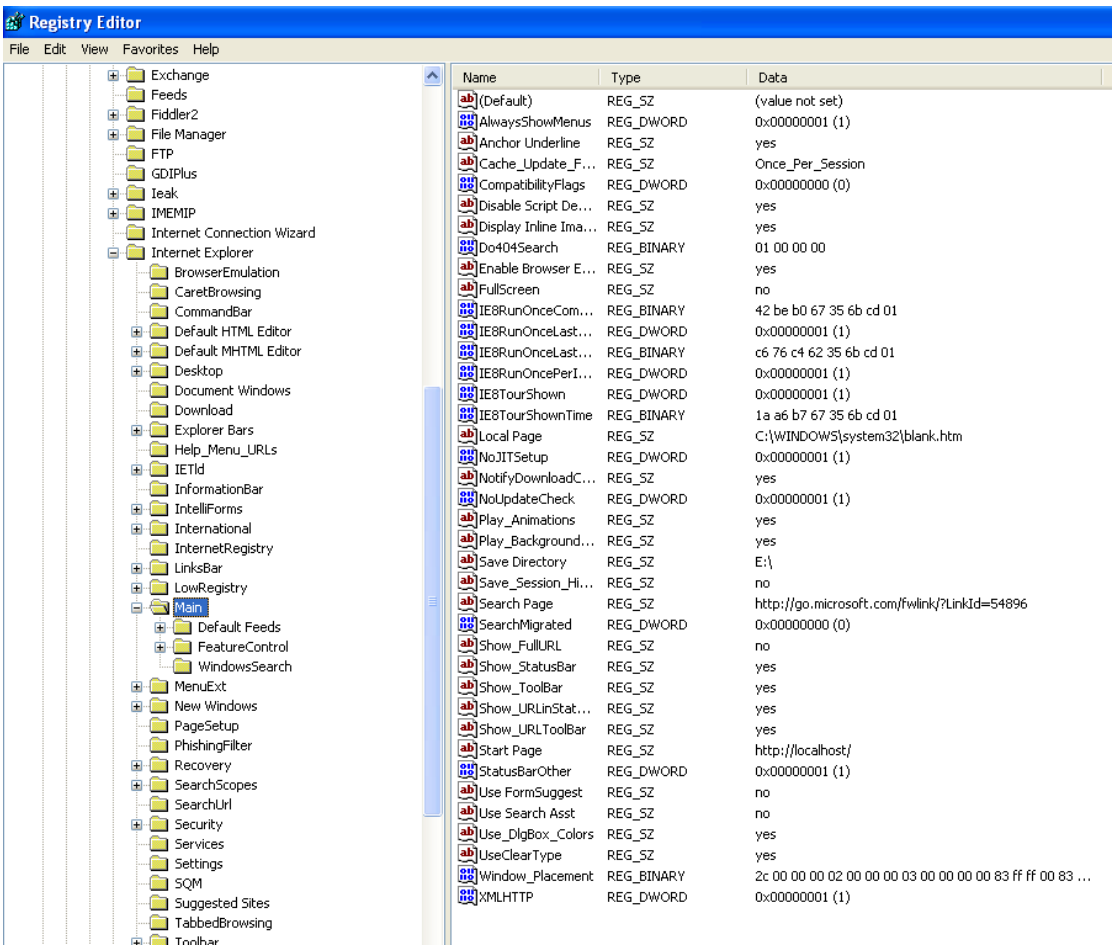
To enable multiple secure sessions in IE8 to be open at the same time, a change needs to be performed in the Windows registry. This should be performed on all client PC's, regardless of whether they are running on the OUI, only MPI or both.

Note: Local Administrator rights are needed to complete this.
Warning: incorrect changes to the registry can cause your PC to become unstable. Please ensure you have a recent backup of your registry before continuing.

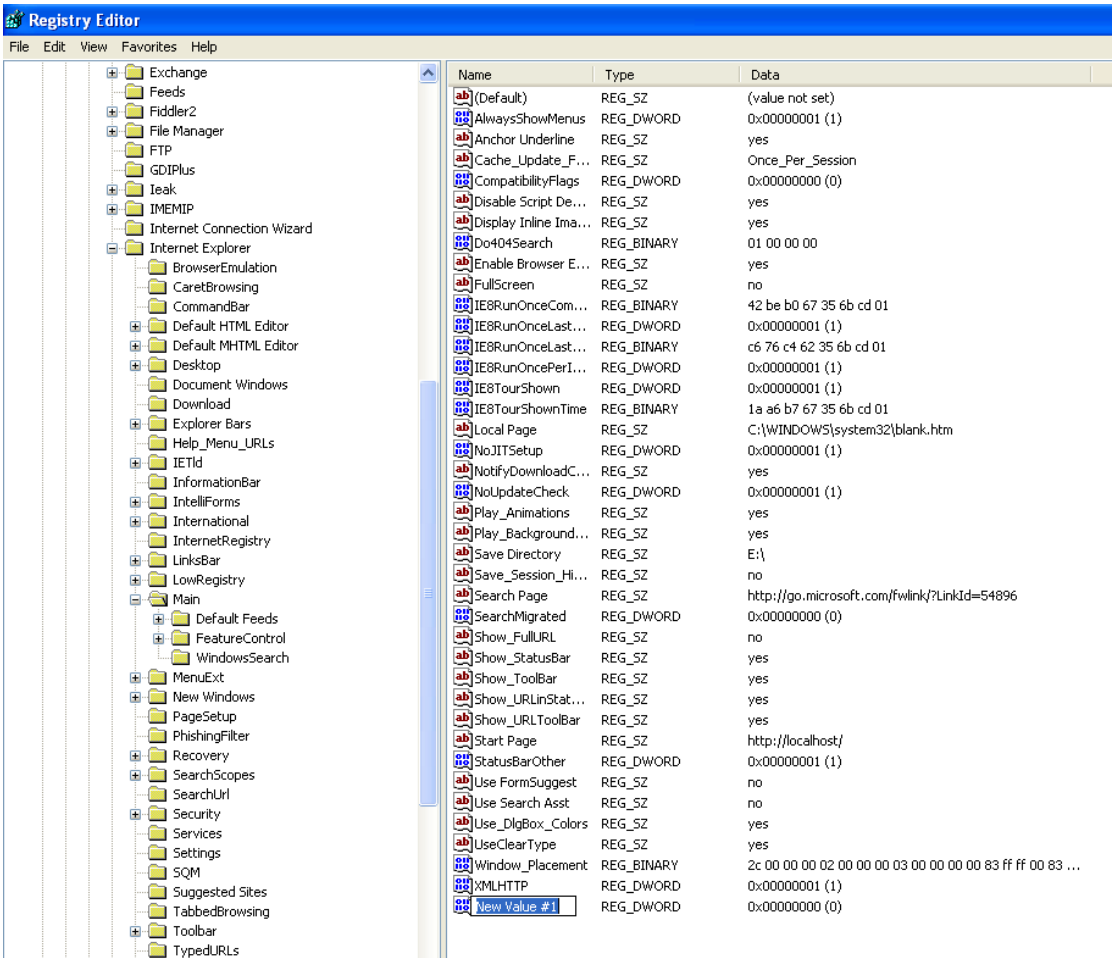
1. Click on the start menu button and select Run. In the pop up box type in regedit and click ok. This will launch the registry editor program. Click YES if the User Account Control dialogue box opens.



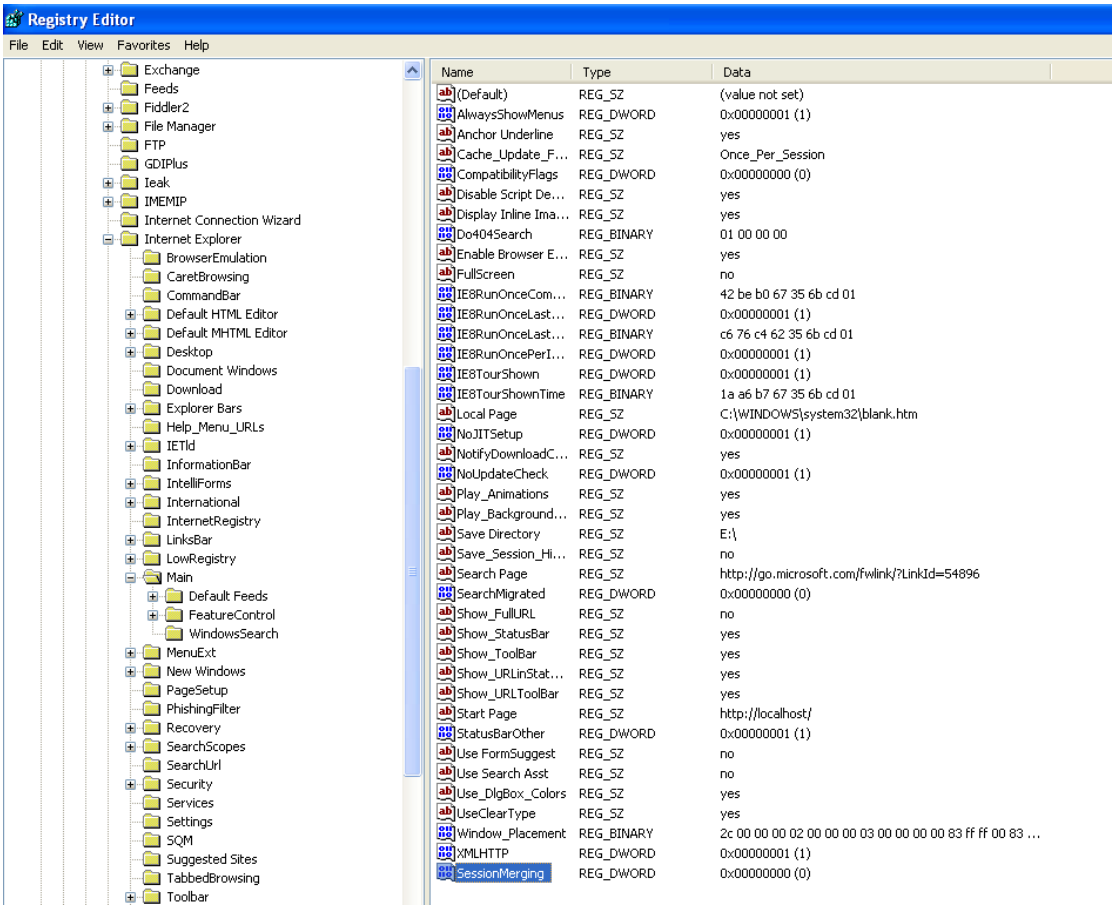
2. In the left pane, drill down through the following folders:
   HKEY_CURRENT_USER > Software > Microsoft > Internet Explorer > Main



3. With the main folder highlighted, you should see a list of properties in the right pane. Right-Click in an empty portion of the right pane, and under New, select DWORD (32-bit) Value



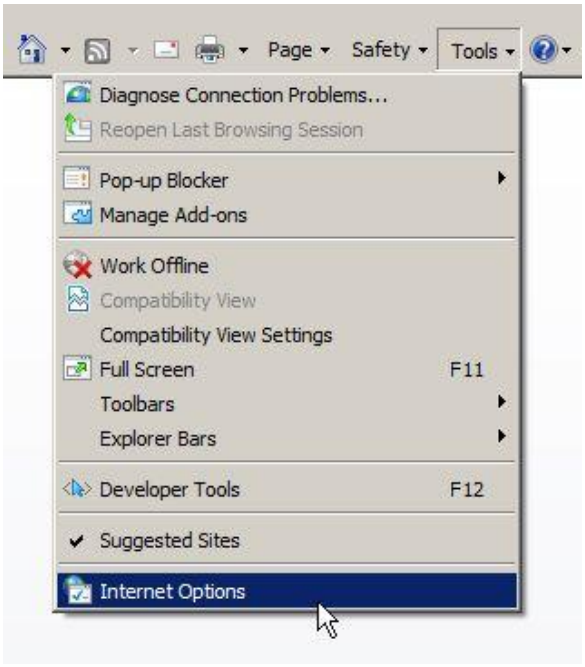
4. Name this new parameter SessionMerging. The default value of 0 is what we want, so after naming the parameter you can exit the Registry Editor


Registry Editor
File Edit View Favorites Help
Exchange
Feeds
Fiddler2
File Manager
FTP
GDIPlus
Ieak
IMEMIP
Internet Connection Wizard
Internet Explorer
BrowserEmulation
CaretBrowsing
CommandBar
Default HTML Editor
Default MHTML Editor
Desktop
Document Windows
Download
Explorer Bars
Help_Menu_URLs
IETld
InformationBar
IntelliForms
International
InternetRegistry
LinksBar
LowRegistry
Main
Default Feeds
FeatureControl
WindowsSearch
MenuExt
New Windows
PageSetup
PhishingFilter
Recovery
SearchScopes
SearchUrl
Security
Services
Settings
SQM
Suggested Sites
TabbedBrowsing
Toolbar
Name Type Data
(Default) REG_SZ (value not set)
AlwaysShowMenus REG_DWORD 0x00000001 (1)
Anchor Underline REG_SZ yes
Cache_Update_F... REG_SZ Once_Per_Session
CompatibilityFlags REG_DWORD 0x00000000 (0)
Disable Script De... REG_SZ yes
Display Inline Ima... REG_SZ yes
Do404Search REG_BINARY 01 00 00 00
Enable Browser E... REG_SZ yes
FullScreen REG_SZ no
IE8RunOnceCom... REG_BINARY 42 be b0 67 35 6b cd 01
IE8RunOnceLast... REG_DWORD 0x00000001 (1)
IE8RunOnceLast... REG_BINARY c6 76 c4 62 35 6b cd 01
IE8RunOncePerI... REG_DWORD 0x00000001 (1)
IE8TourShown REG_DWORD 0x00000001 (1)
IE8TourShownTime REG_BINARY 1a a6 b7 67 35 6b cd 01
Local Page REG_SZ C:\WINDOWS\system32\blank.htm
NoJITSetup REG_DWORD 0x00000001 (1)
NotifyDownloadC... REG_SZ yes
NoUpdateCheck REG_DWORD 0x00000001 (1)
Play_Animations REG_SZ yes
Play_Background... REG_SZ yes
Save Directory REG_SZ E:\
Save_Session_Hi... REG_SZ no
Search Page REG_SZ http://go.microsoft.com/fwlink/?LinkId=54896
SearchMigrated REG_DWORD 0x00000000 (0)
Show_FullURL REG_SZ no
Show_StatusBar REG_SZ yes
Show_ToolBar REG_SZ yes
Show_URLinStat... REG_SZ yes
Show_URLToolBar REG_SZ yes
Start Page REG_SZ http://localhost/
StatusBarOther REG_DWORD 0x00000001 (1)
Use FormSuggest REG_SZ no
Use Search Asst REG_SZ no
Use_DlgBox_Colors REG_SZ yes
UseClearType REG_SZ yes
Window_Placement REG_BINARY 2c 00 00 00 02 00 00 00 03 00 00 00 00 83 ff ff 00 83 ...
XMLHTTP REG_DWORD 0x00000001 (1)
SessionMerging REG_DWORD 0x00000000 (0)

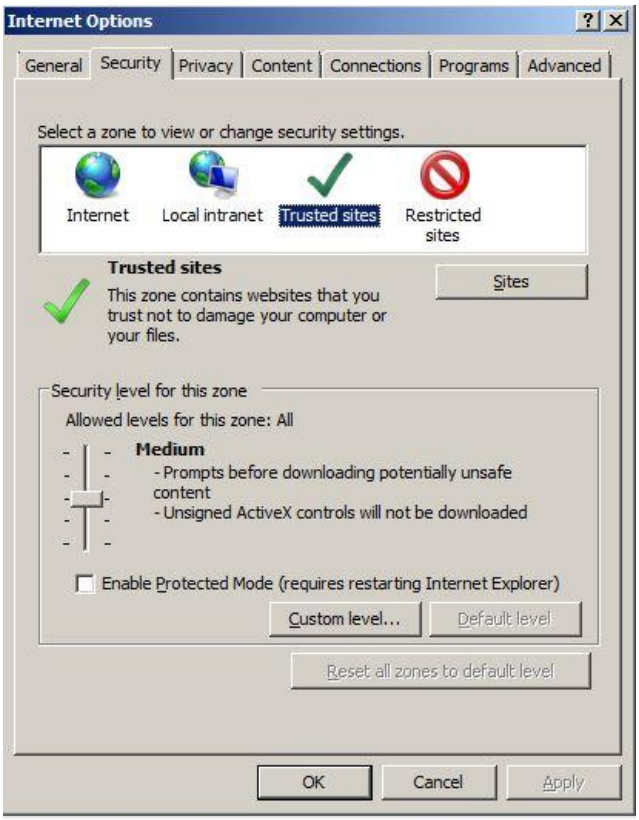
9. Internet Explorer Settings

To enable correct access to the market applications, you are required to make a change to your IE8 settings. Please follow these steps.

1. Launch IE8 and click on Tools – Internet Options



2. Click on the Security Tab and the Trusted Sites



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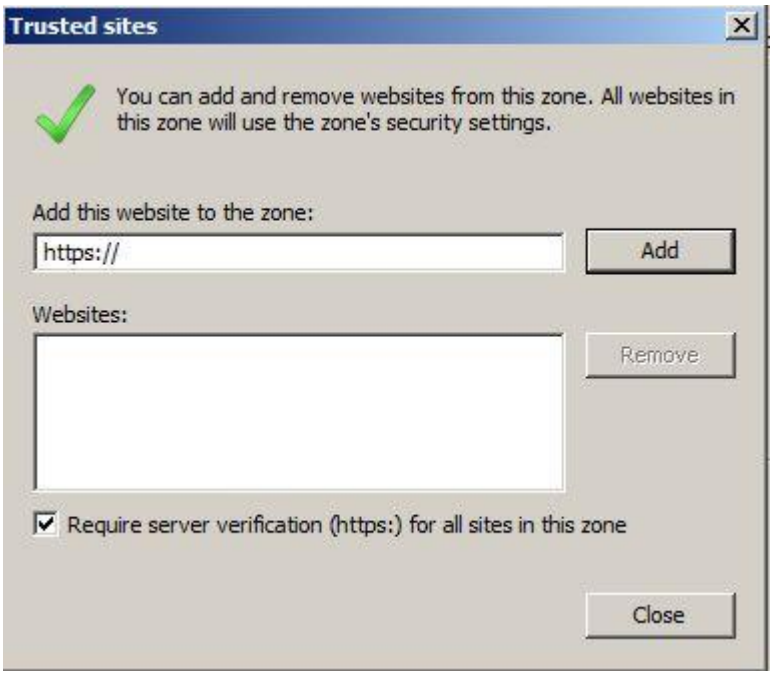
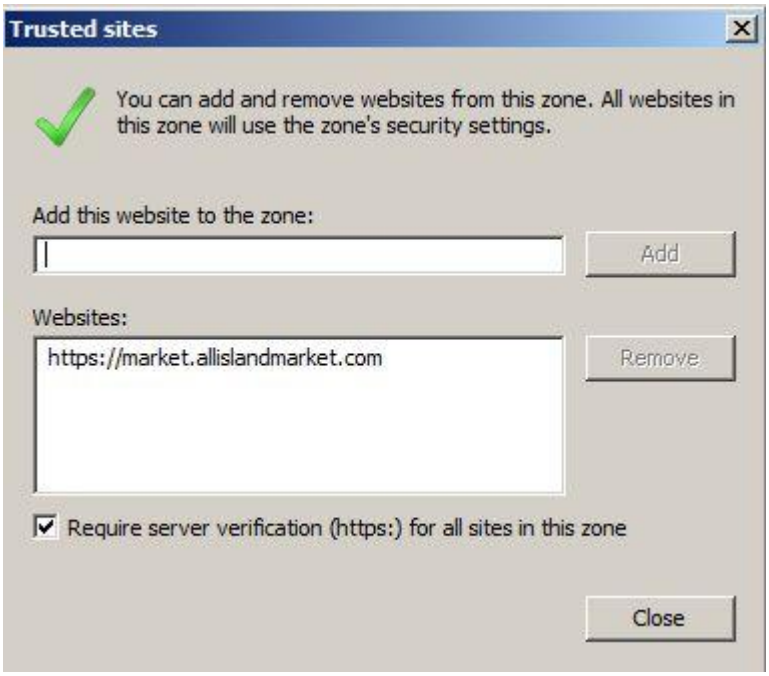
3. Click on the Sites Button and enter the URL of the website you need to access. Please note that **https://** needs to be included



4. Click Add after entering the URL. Please note the URL in the screenshot is for **demonstration** purposes only.



5. Click on Close and 'x' out of Internet Explorer

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10. Java Install

For client PC's connecting to Central Market Systems, the 32-Bit JRE version 1.6u27 or 1.6u43 should be installed.

NOTE: Java Version 1.6u43 is an optional upgrade. SEMO recommends this for security reasons, however Java Version 1.6u27 will continue to work as normal. If you plan to install the update 43 then the previous version **must be removed prior to installation.**

Important: Only one version of java should be installed.

Clients using a 64Bit version of Windows 7 will need to install the 32-bit version of this software. This is due to BackPlane BX1.0.19 – this BackPlane BX is only compatible with 32bit Software.

The links below contain Java download links for x86 version

Java 1.6u27 - Version
http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase6-419409.html#jre-6u27-oth-JPR

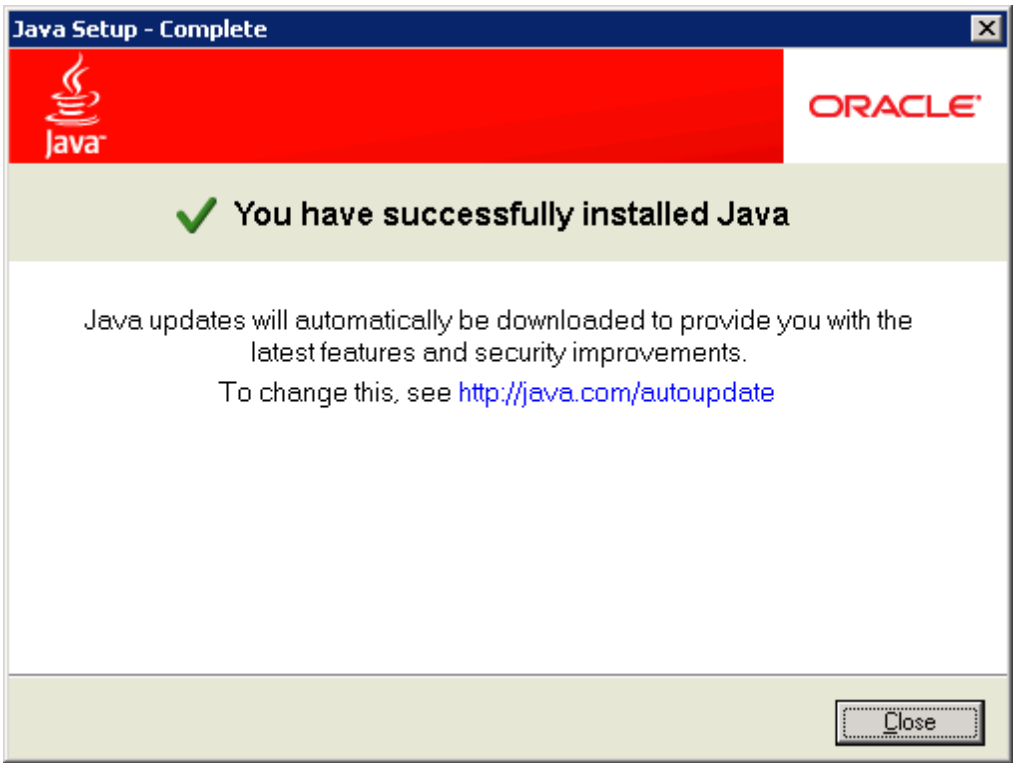
Java 1.6u43 - Version(Download and installation details for Java 1.6u43 can be found on page 30 of this guide)

Once downloaded follow these instructions. These instructions are applicable for both Windows 7 and Windows XP SP3.

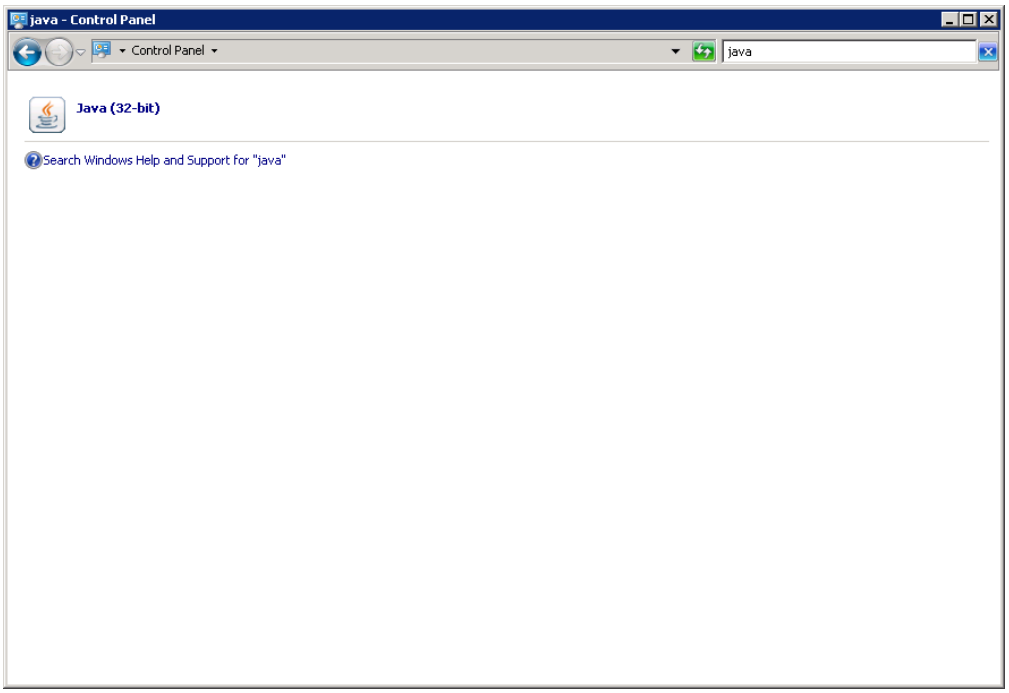
Java 1.6u27 – Version Install Guide

1. Launch the 32-Bit JRE installer. Click the install button on the welcome screen. The default locations can be used.

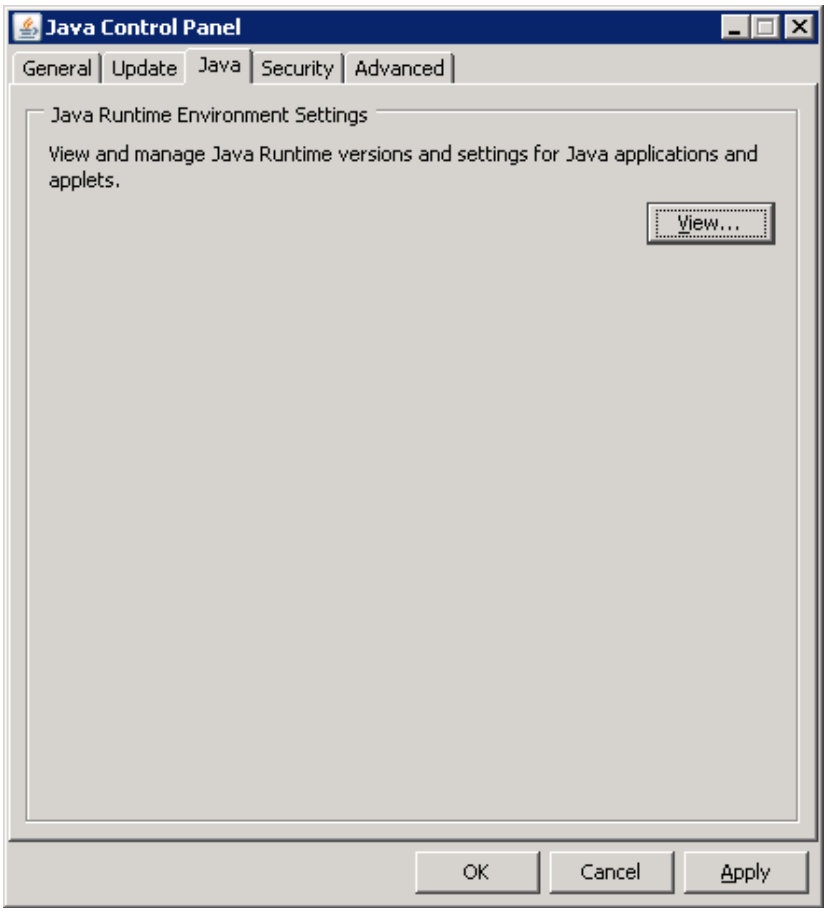
2. When the installation is complete, click close to exit the installer



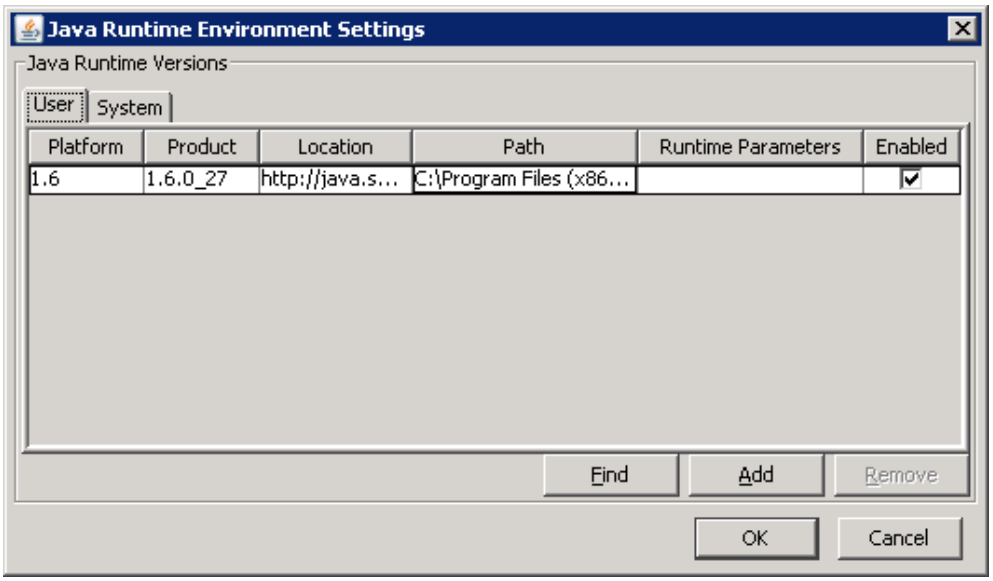
3. After installing the JRE software, some parameters need to be updated. Go to the start menu and open the control panel. Type java in the search in the upper-right corner. You should see a listing for Java (32-Bit). Click this item to open the java control panel



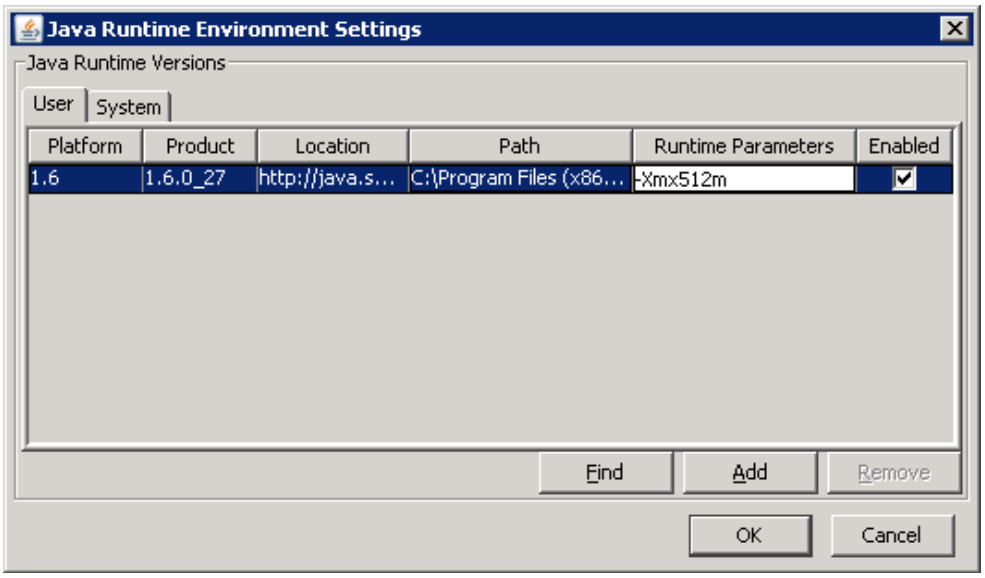
4. Click the Java tab in the Java Control Panel. Click the **View...** button



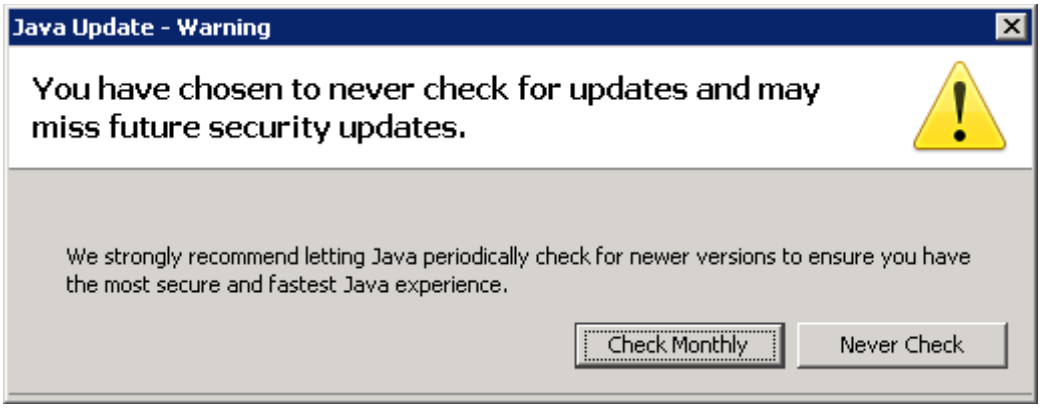
5. Ideally, there should only be one entry in the window. The value for Product should read 1.6.0_27, and the Enabled option should be checked. If there are more entries, ensure only the above entry s enabled and all other entries are disabled by deselecting the Enabled option.



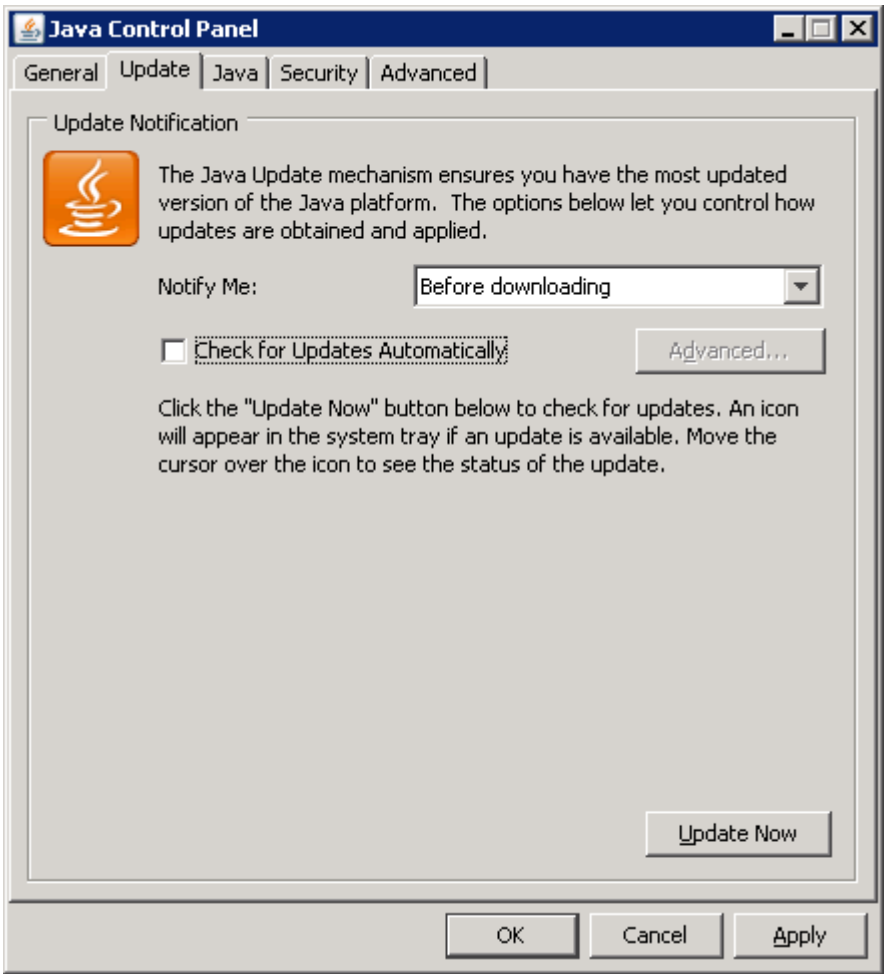
6. Double-click the Runtime Parameters field for the 1.6.0_27 entry and enter the following text - this is case sensitive. –Xmx512m. The 512 value represents the memory allocation in megabytes for the Java runtime. Click OK to save the changes and close the window.



7. Click on the Update tab. Deselect the **Check for Updates Automatically** option. Click the **Never check** button in the warning dialog box that pops up.



8. Click OK to save the changes and close the Java Control Panel



Java 1.6u43 – Version Install Guide

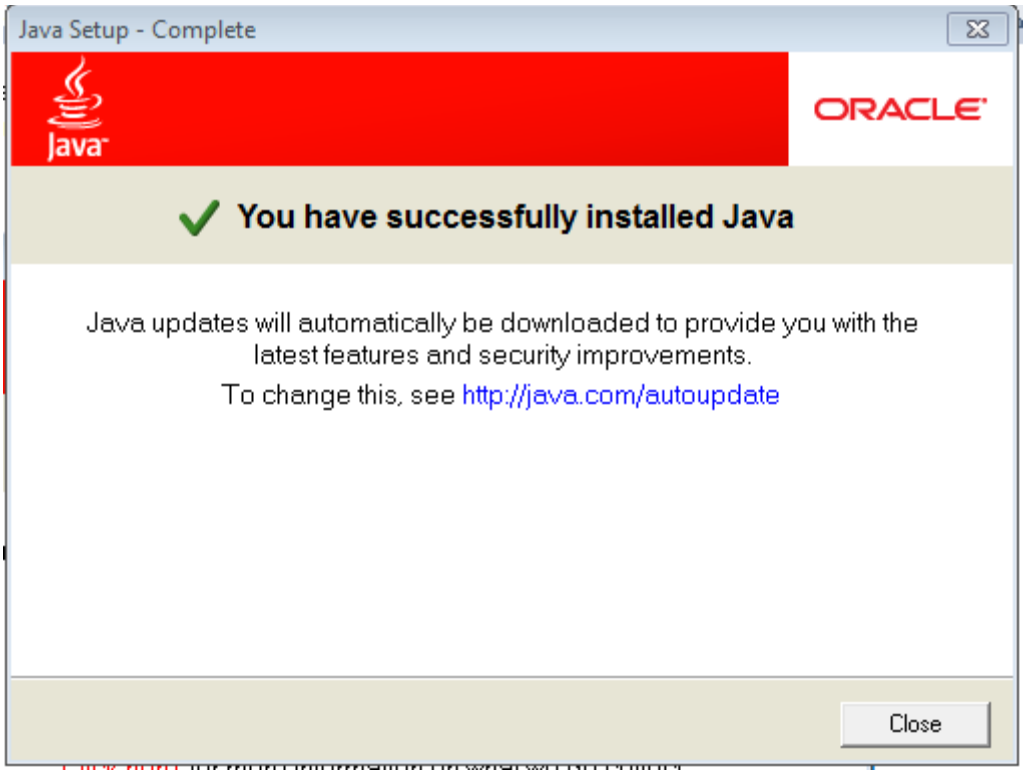
Java 1.6u43 can be downloaded from this link and download the x86 version

http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase6-419409.html#jre-6u43-oth-JPR

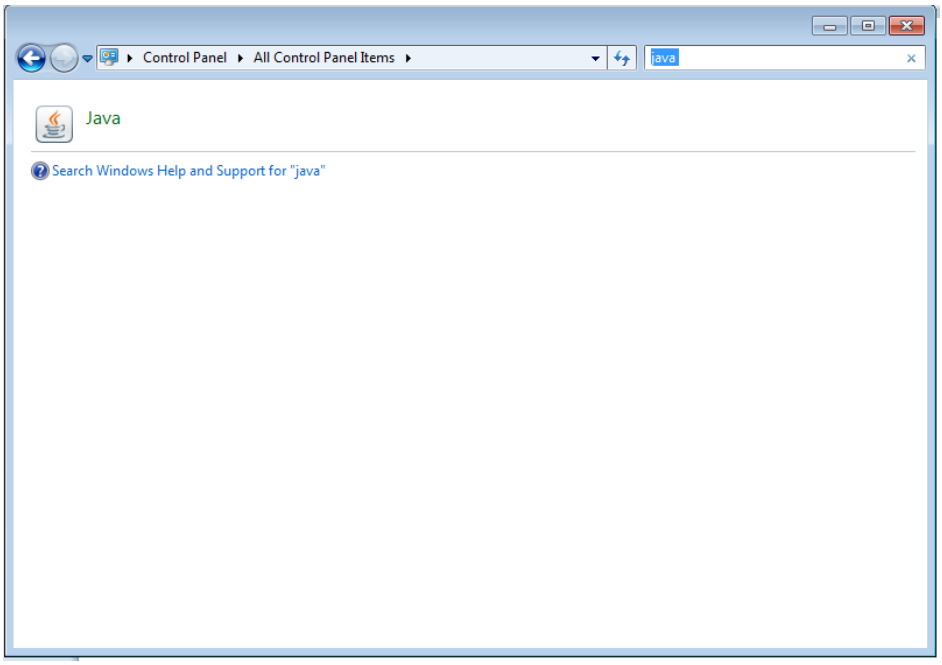
Once downloaded follow these instructions. These instructions are applicable for both Windows 7 and Windows XP SP3.

1. Launch the 32-Bit JRE installer. Click the install button on the welcome screen. The default locations can be used.

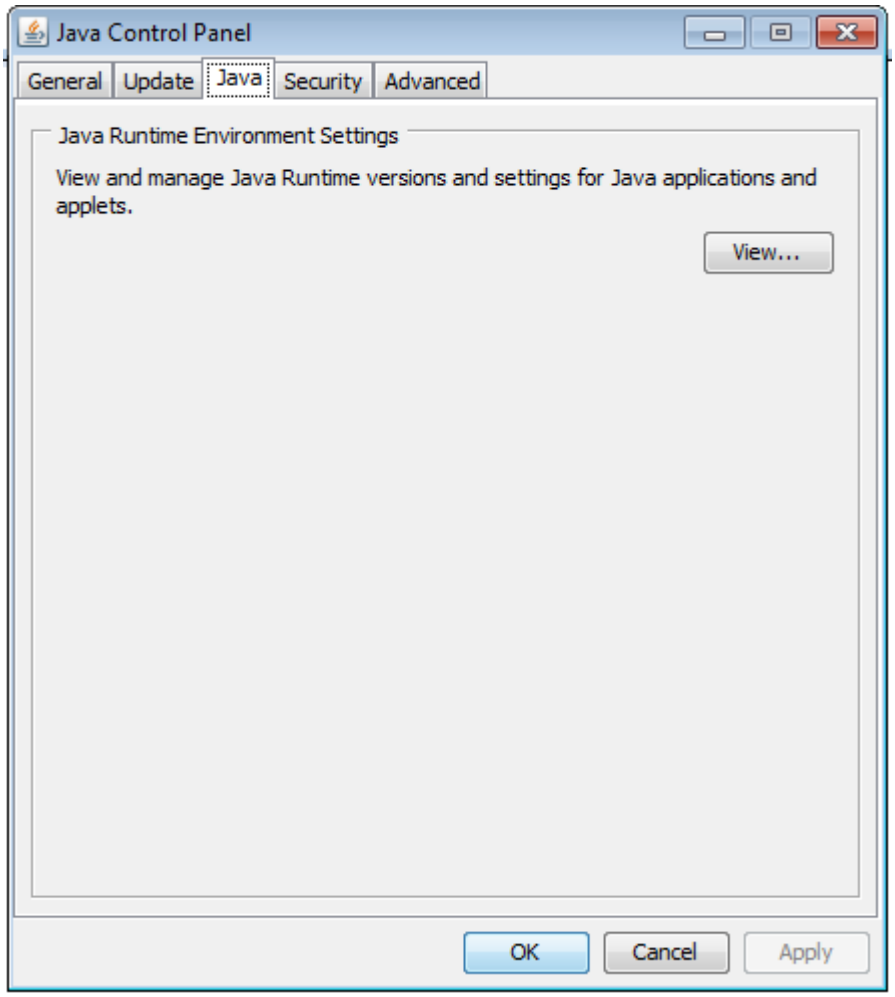
2. When the installation is complete, click close to exit the installer



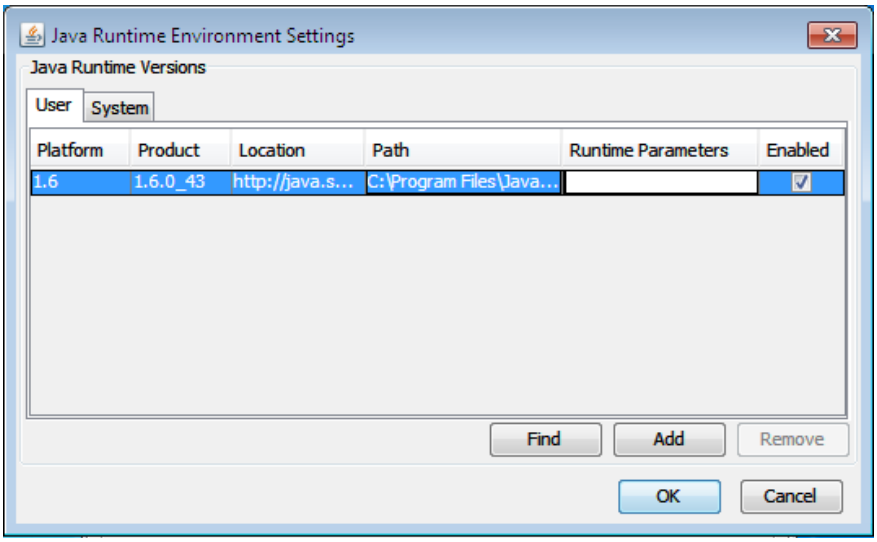
3. After installing the JRE software, some parameters need to be updated. Go to the start menu and open the control panel. Type java in the search in the upper-right corner. You should see a listing for Java (32-Bit). Click this item to open the java control panel



4. Click the Java tab in the Java Control Panel. Click the **View...** button



5. Ideally, there should only be one entry in the window. The value for Product should read 1.6.0_43, and the Enabled option should be checked. If there are more entries, ensure only the above entry s enabled and all other entries are disabled by deselecting the Enabled option.



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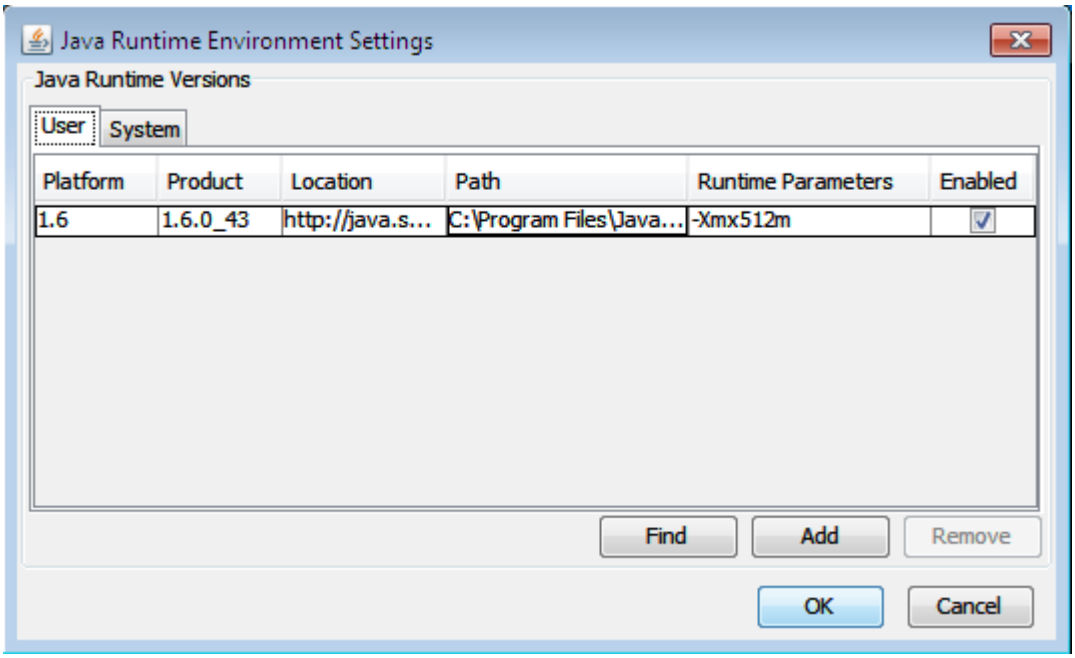
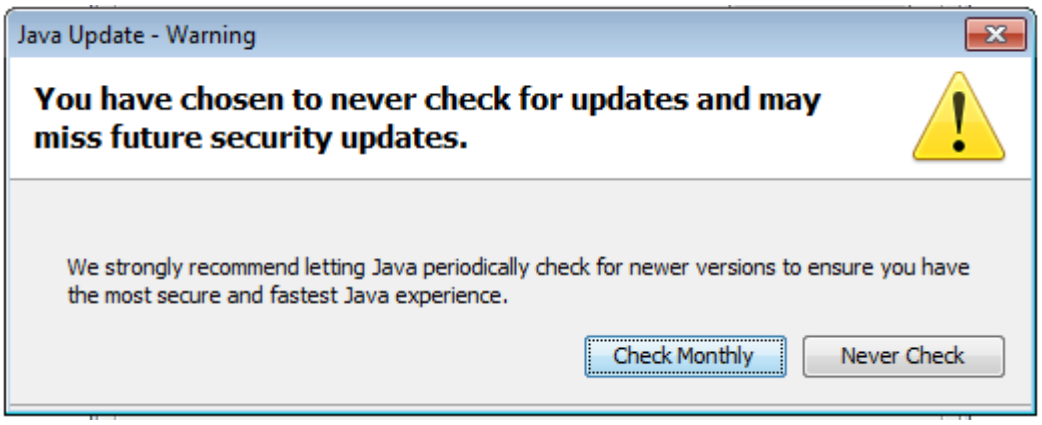
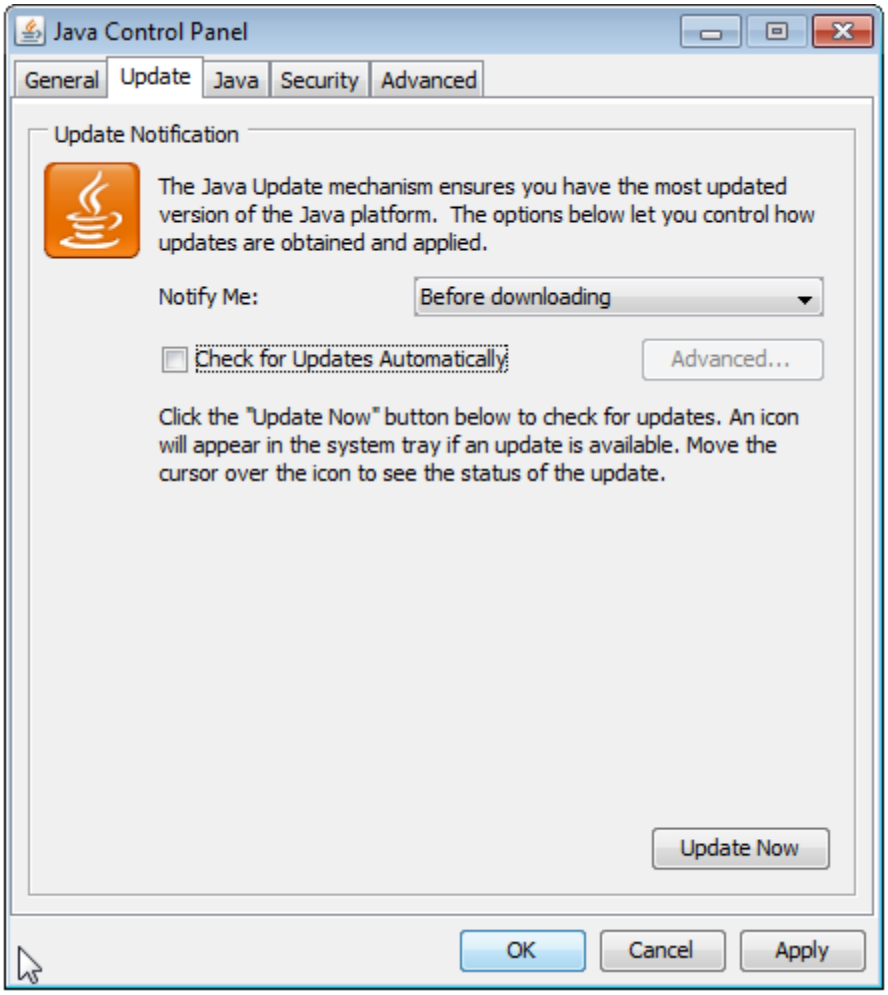
6. Double-click the Runtime Parameters field for the 1.6.0_43 entry and enter the following text - this is case sensitive. –Xmx512m. The 512 value represents the memory allocation in megabytes for the Java runtime. Click OK to save the changes and close the window.



7. Click on the Update tab. Deselect the **Check for Updates Automatically** option. Click the **Never check** button in the warning dialog box that pops up.



8. Click OK to save the changes and close the Java Control Panel



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11. BackPlane BX 1.0.19 Additional Files

Located at this link

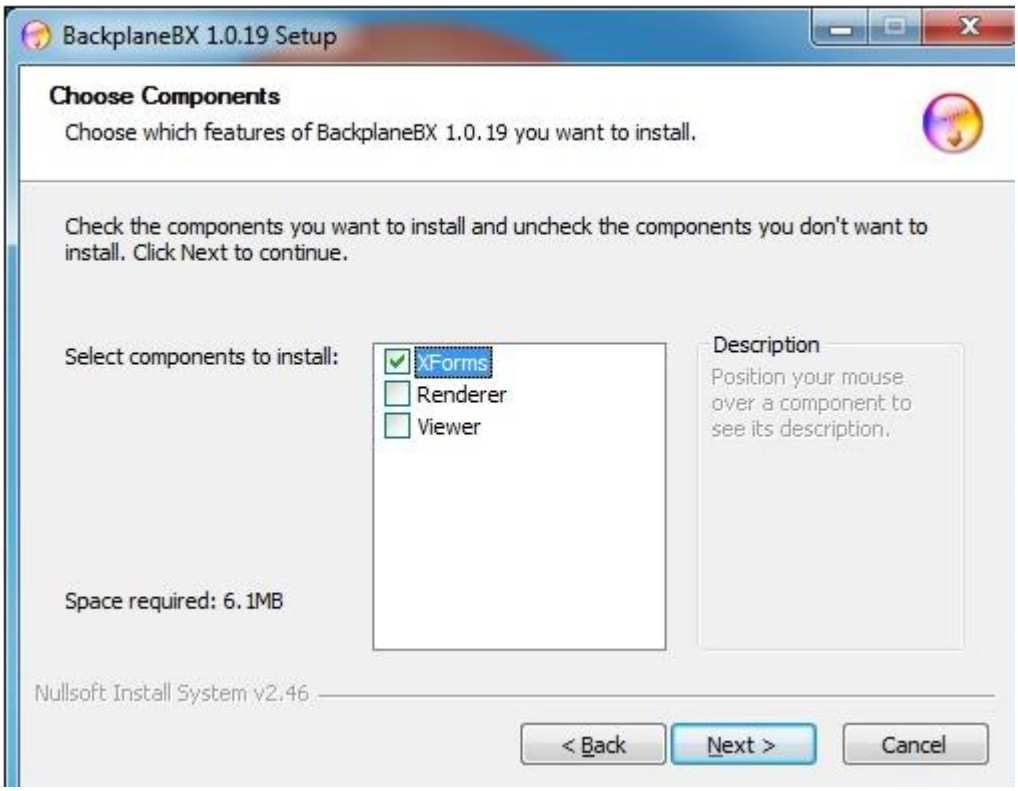
http://www.sem-o.com/Publications/General/BackplaneBXfiles.zip

12. Troubleshooting BackPlane BX Issue

An issue was raised after go-live with regards to BackPlane BX 1.0.19 causing problems when accessing websites that are coded in XHTML language.

After installation of BackPlane, the user may experience problems with accessing these websites and may be presented with an error message on web pages.

The Solution is to re-install the BackPlane software but only select the 'XForms' option when installing – screenshot below.



This has been tested and verified as working with users experiencing the XHTML issue.

**** Users should install BackPlane BX as normal unless experiencing this specific error ****