# Windows 7 Professional Pre- Axess Configuration

Prerequisites

- Install all required drivers (Network, Chipset, System Management, VGA)
- Install all Critical Windows Updates
- Install latest Adobe reader http://www.adobe.com/
- Install UltraVNC http://www.uvnc.com/download.html (for remote diagnostics)
- Install WinRar http://winrar2008.org (common data compression tool)

Follow ALL system configuration items outlined in this document

- Import Command Prompt CMD.exe to start menu
  - Click on the start button
  - In the search bar directly above the Start button type in CMD
  - When you see the icon, right click it and select Pin to Start Menu
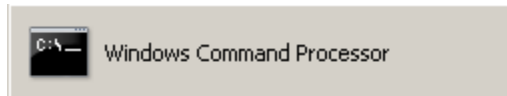
- Disable User Account Control (UAC)
  - Control Panel \ User Accounts \ User Accounts \ Change User Accounts Control settings
  - Move the slider bar down to Never notify and click OK.
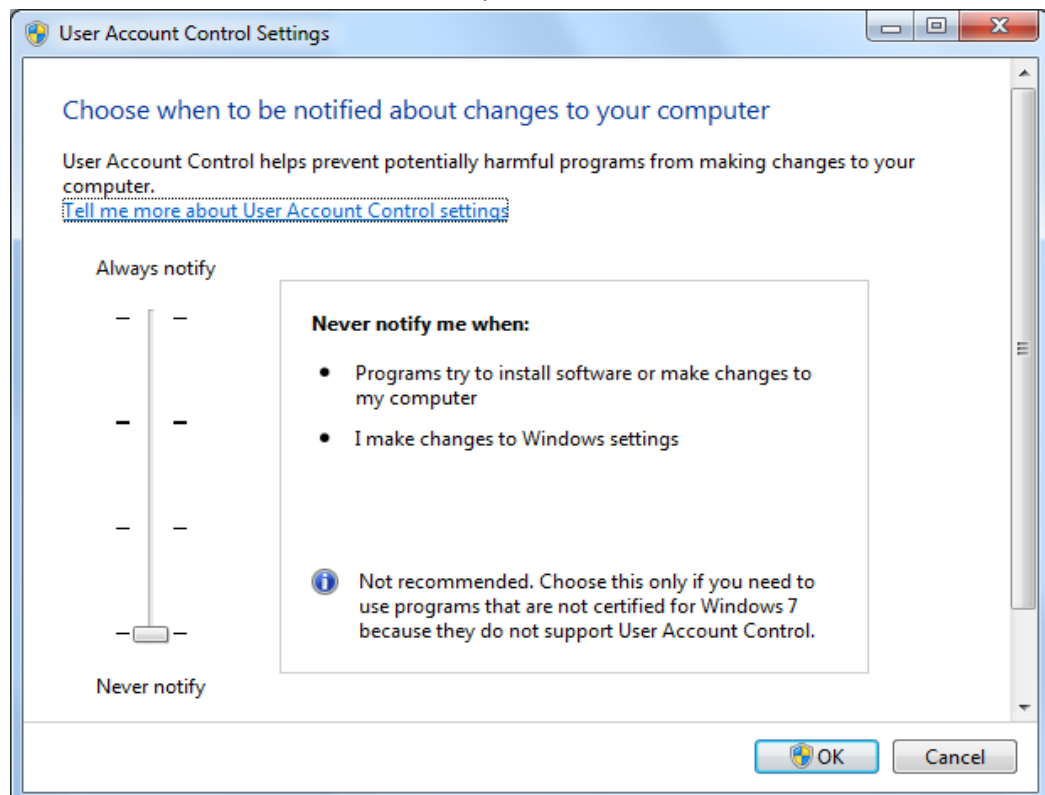
- Configure Static IP for TCP/IPv4 (Obtainable from Network Administrator)
    - Control Panel\Network and Internet \ Network and Sharing Center\ Change adapter settings
        - Right Click Local Area Connections and click Properties
   - Select Internet Protocol Version 4 and click properties

- Disable Windows Firewall
  - Control Panel \ System and Security \Windows Firewall \ Turn Windows Firewall on or off\
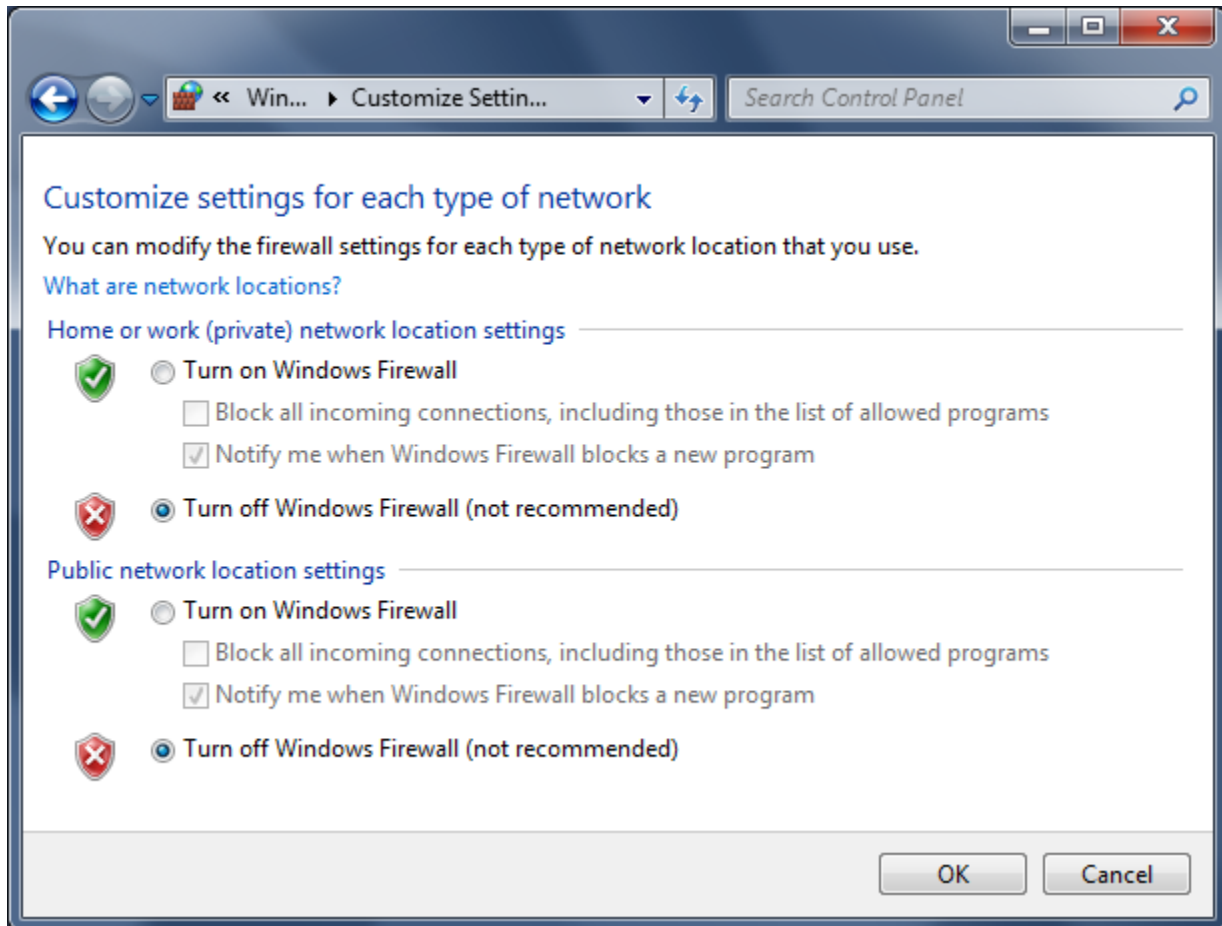
Prepping Windows for improved performance..

- Switch theme to "Windows Classic" and set Statmon desktop image.
  - Control Panel \ Appearance and Personalization \ Personalization
  - Select Windows Classic under "Basic and High Contrast Themes"
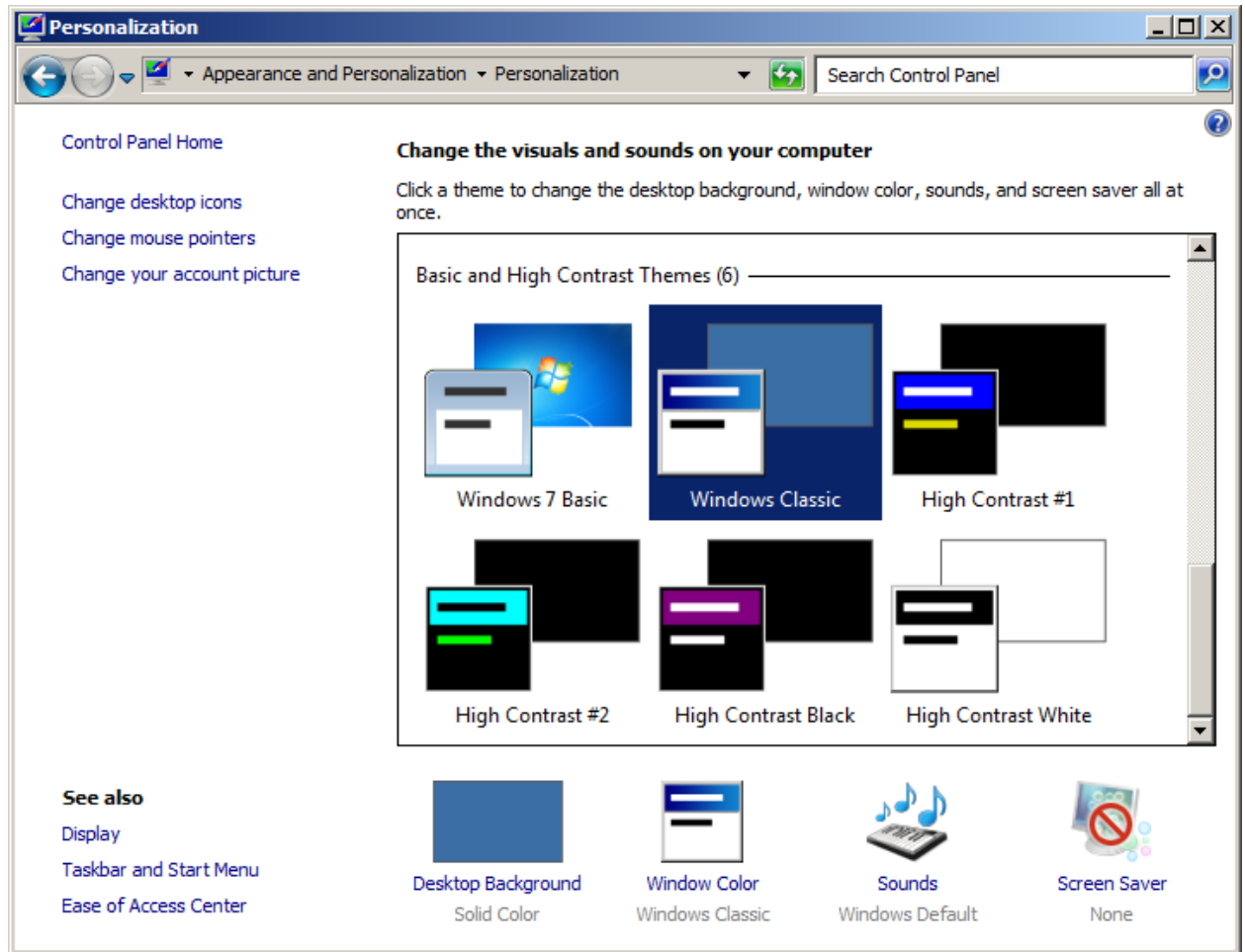
- THIS STEP IS NOT MANDITORY (only for Statmon Support setup)
  - Copy the Statmon Desktop background logo into the 'My Pictures' folder. (s-bkgrd-blue.jpg is located on \\chi-sr-boff03\software)
  - Select the Desktop Background and on the next window, Browse to your 'My Pictures' folder.
  - Select the Statmon desktop logo called 's-bkgrd-blue.jpg' and save your changes.

- Right click Start button and select Properties
  - Select <u>L</u>ock the tastbar
  - Next to Taskbar buttons select <u>Never combine</u> from the pull down menu.
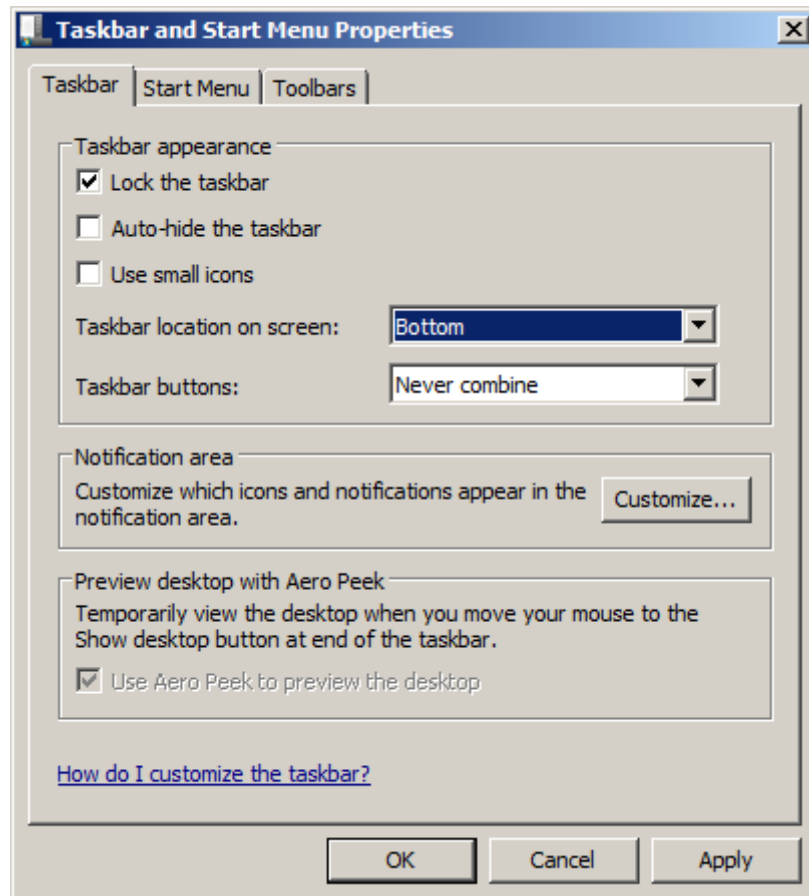
  - In the 'Notification area' section select <u>Customize…..</u>
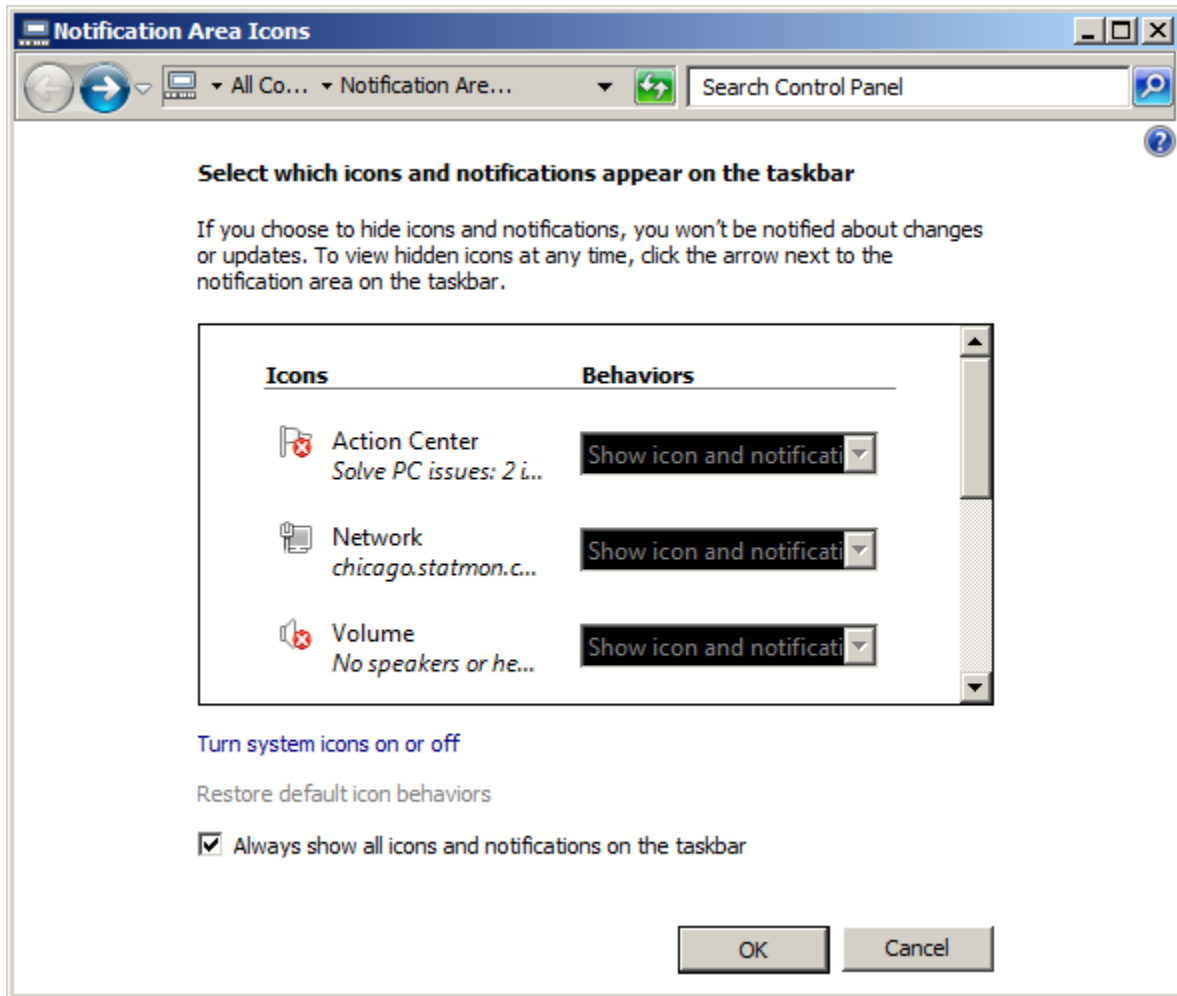
- o   Select the check box 'Always show all icons and notifications on the taskbar'
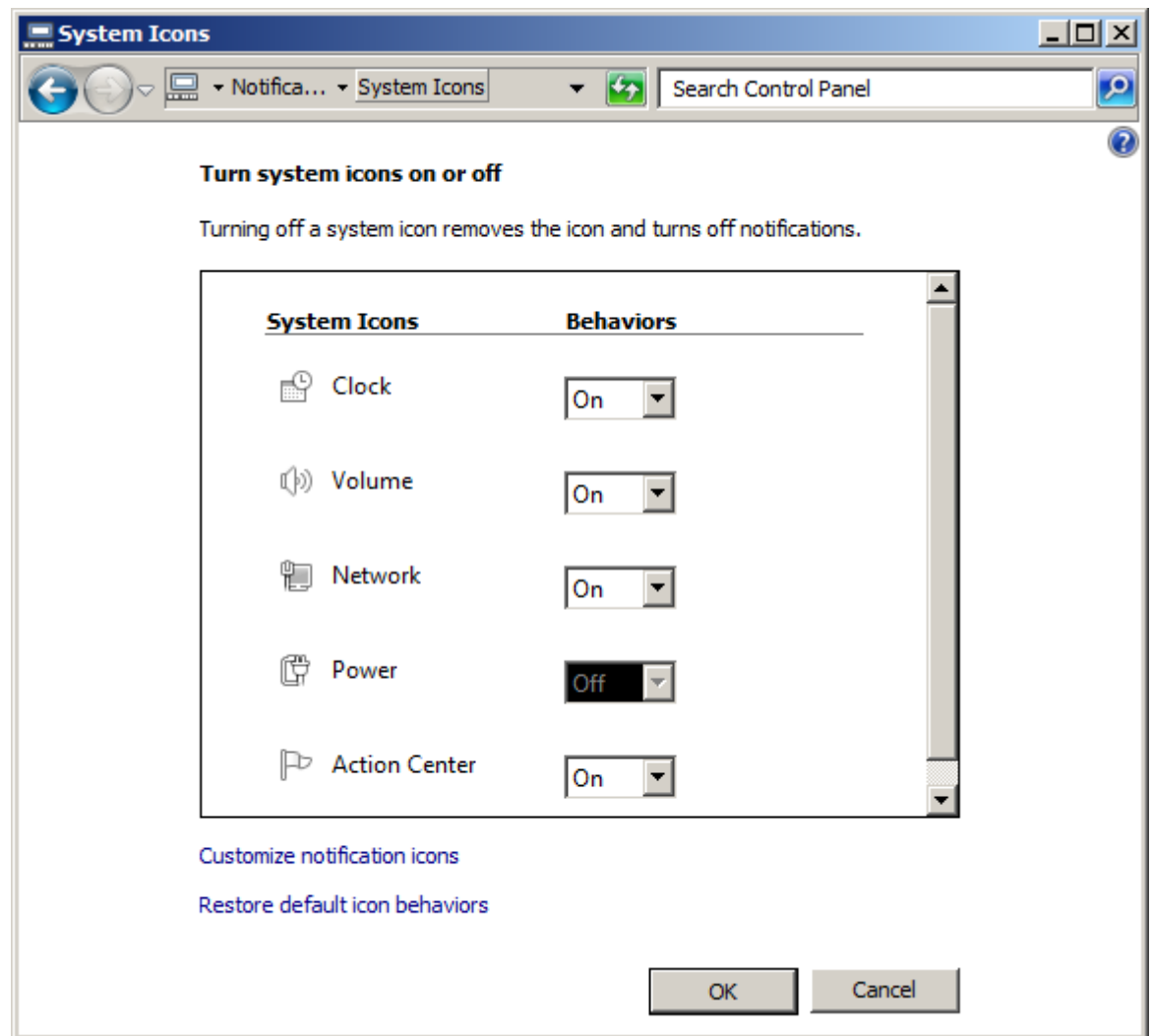- o   Above the check box click on 'Turn system icons on or off'

System Icons

Turn system icons on or off

Turning off a system icon removes the icon and turns off notifications.

System Icons	Behaviors
🕐 Clock	On
🔊 Volume	On
📶 Network	On
🔌 Power	Off
🏳 Action Center	On

Customize notification icons

Restore default icon behaviors

OK   Cancel

- o   Set all System Icons to ON with the exception of Power which is for a laptop.
- o   Click OK to exit and save settings.

- Right click Start button, select Open Windows Explorer, and then navigate to Organize \ Folder and search options
- Select
    - Display full path in title bar (Classic Theme only)
    - Show hidden files, folders, and drives
- De-Select
    - Hide extension for known file types
    - Hide protected operating system files
    - Use sharing wizard
- Click Apply and then Apply to Folders
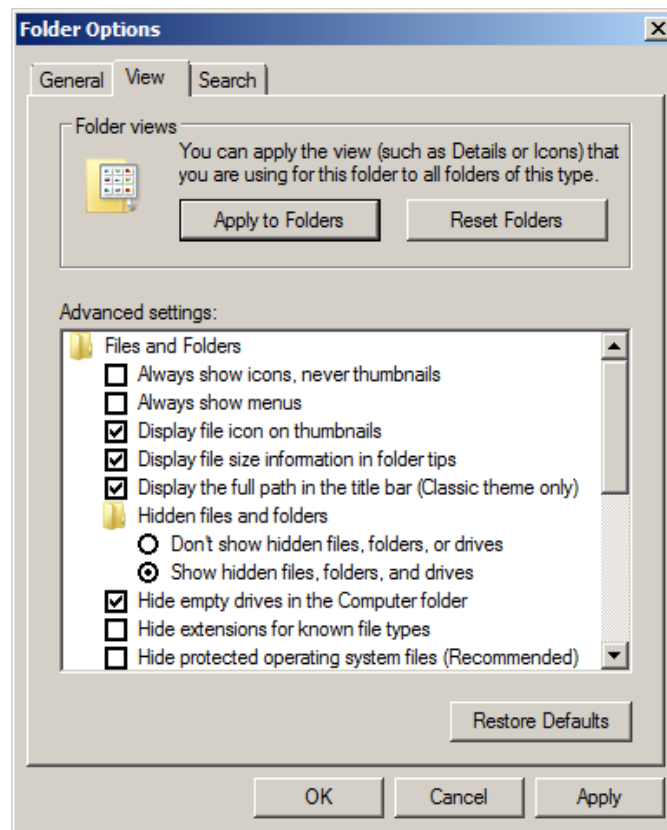
- Now that we have selected Show hidden files, folders, and drives, we can add Notepad, and Register Object to SendTo directory
    - Copy Notepad.exe and Regsvr32.exe from C:\windows\system32
    - Paste both files in this directory
      C:Users*yourusername*\AppData\Roaming\Microsoft\Windows\SendTo
- Note: The location of the SendTo Directory has changed in Windows 7, it is no longer under Docments and Settings.

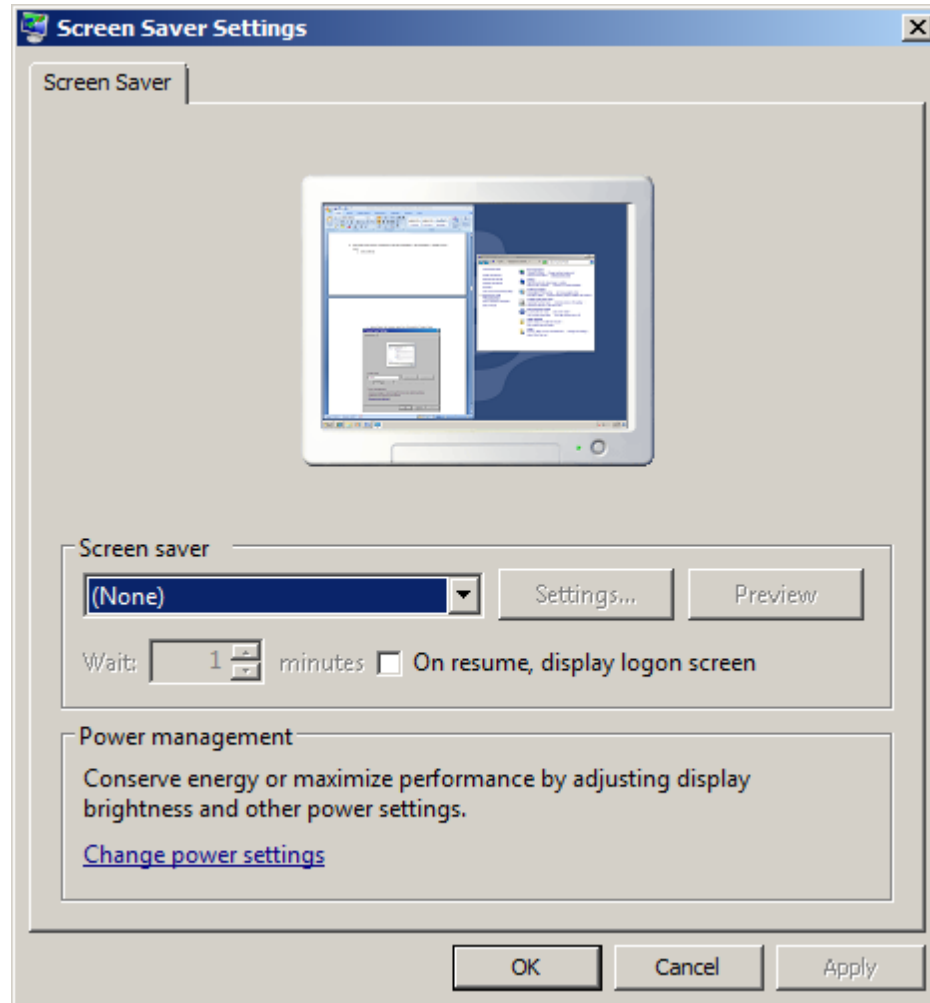- Select the Control Panel \ Appearance and Personalization \ Display
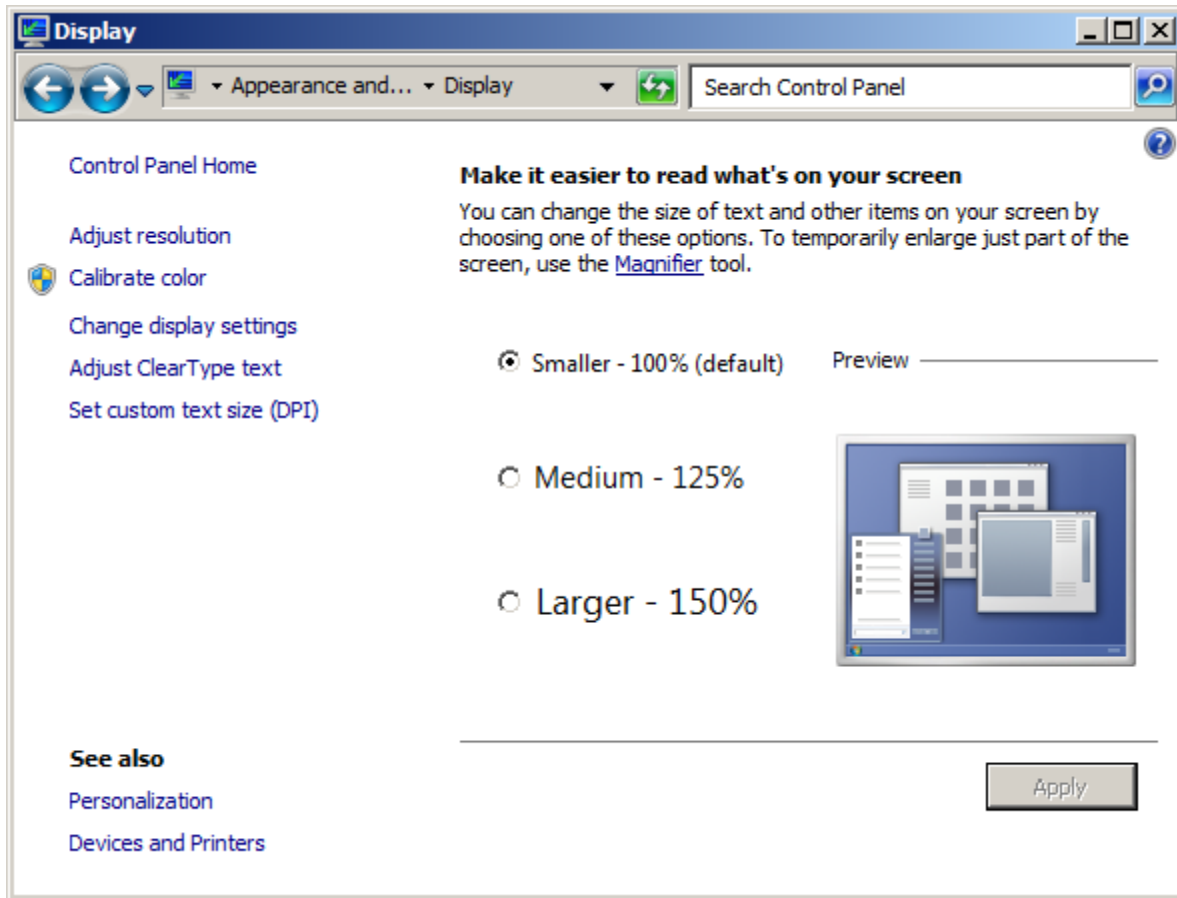
- o set the Display to Smaller – 100% (default)
- o Select Adjust Resolution on the left side
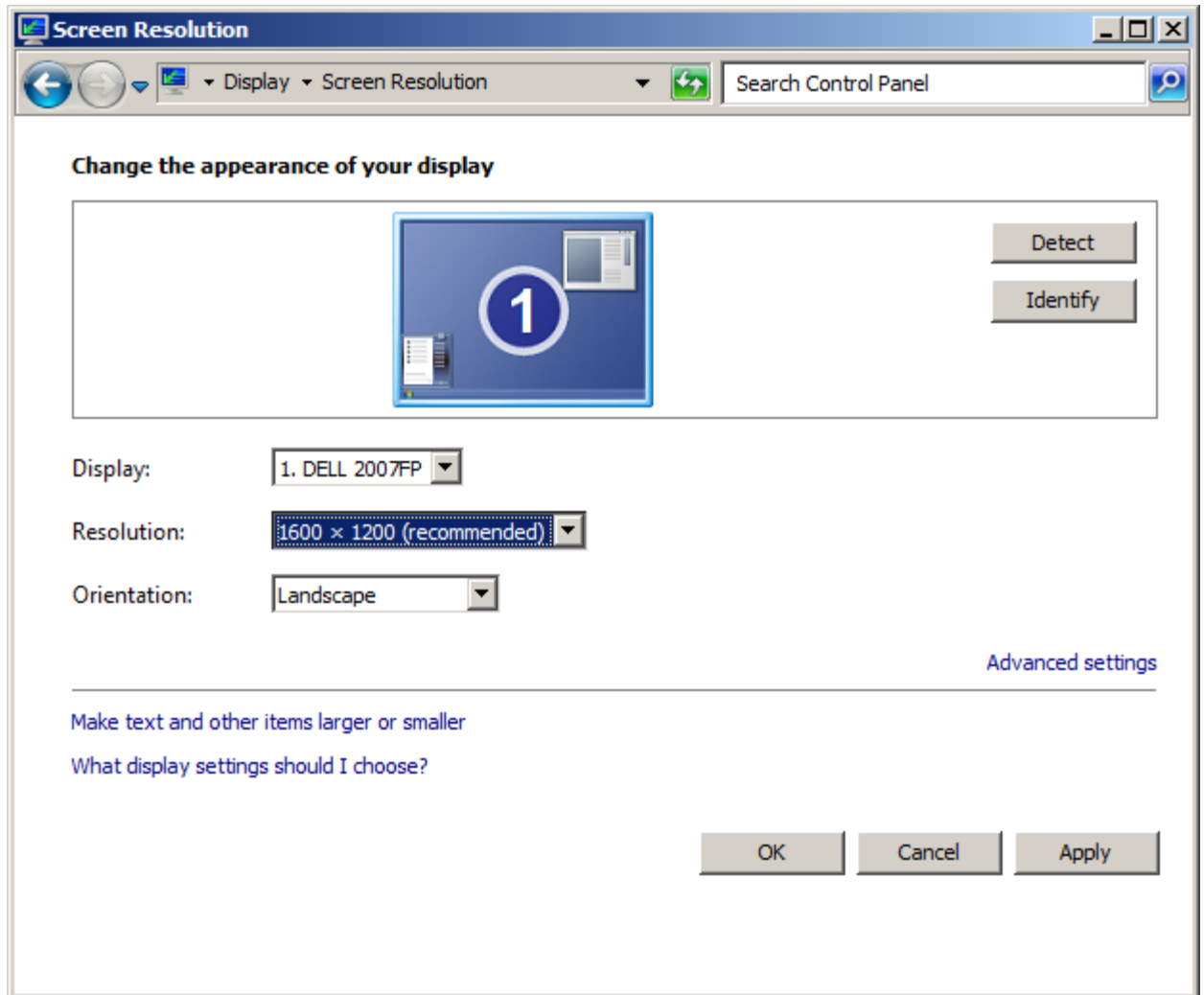
- o Set the Resolution to 1280 x 960 or higher
- o Click apply and Ok

- Select the Control Panel \ Appearance and Personalization \ Personalization \ Change screen saver
 - Select (None)

- Under Personalization \ change Screen saver\ Power management, select <u>Change power settings.</u>
  - o Click on the arrow to the right of <u>Show additional plans</u>.
  - o Then select <u>High performance</u> power plan and click <u>change plan settings</u>.
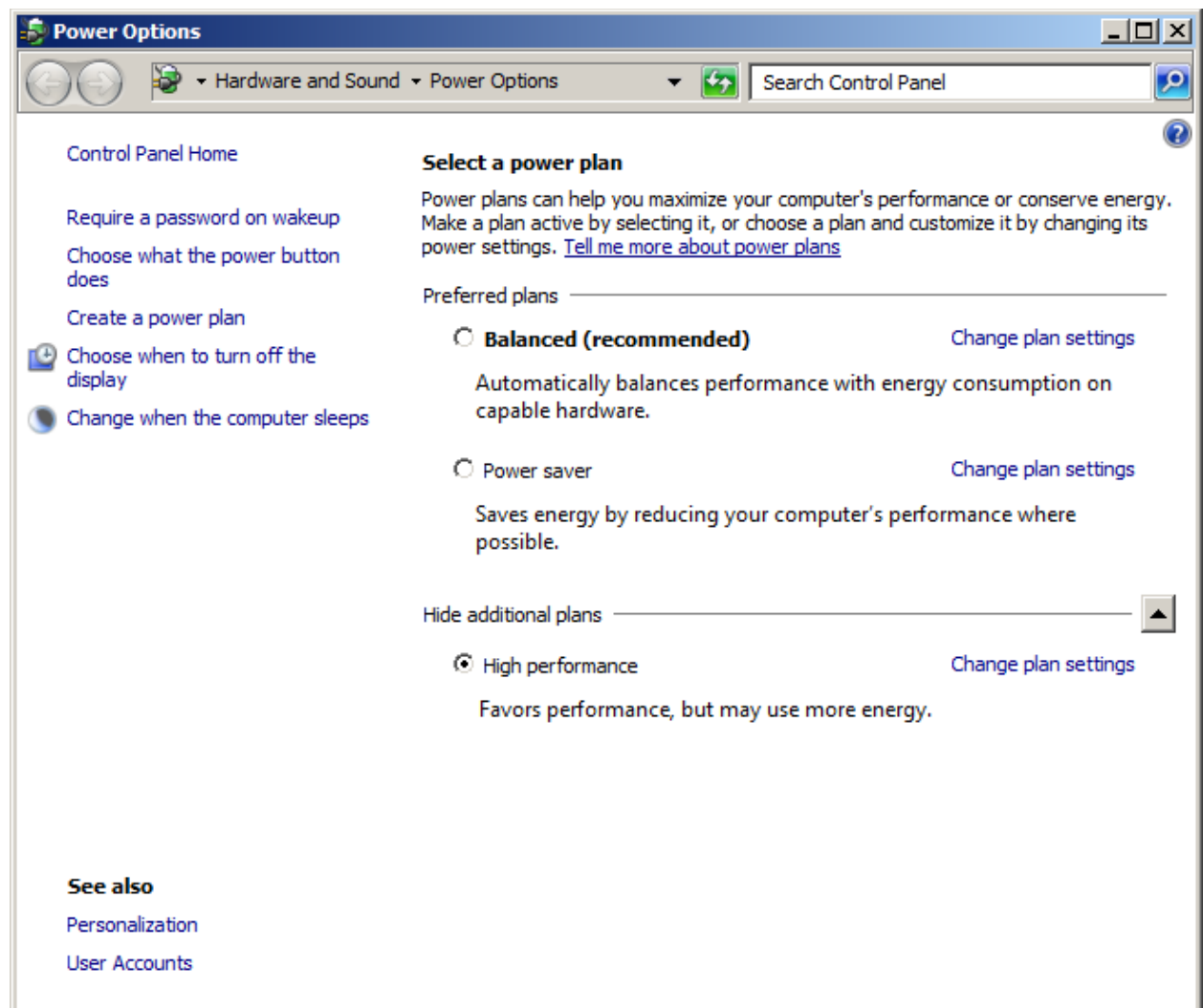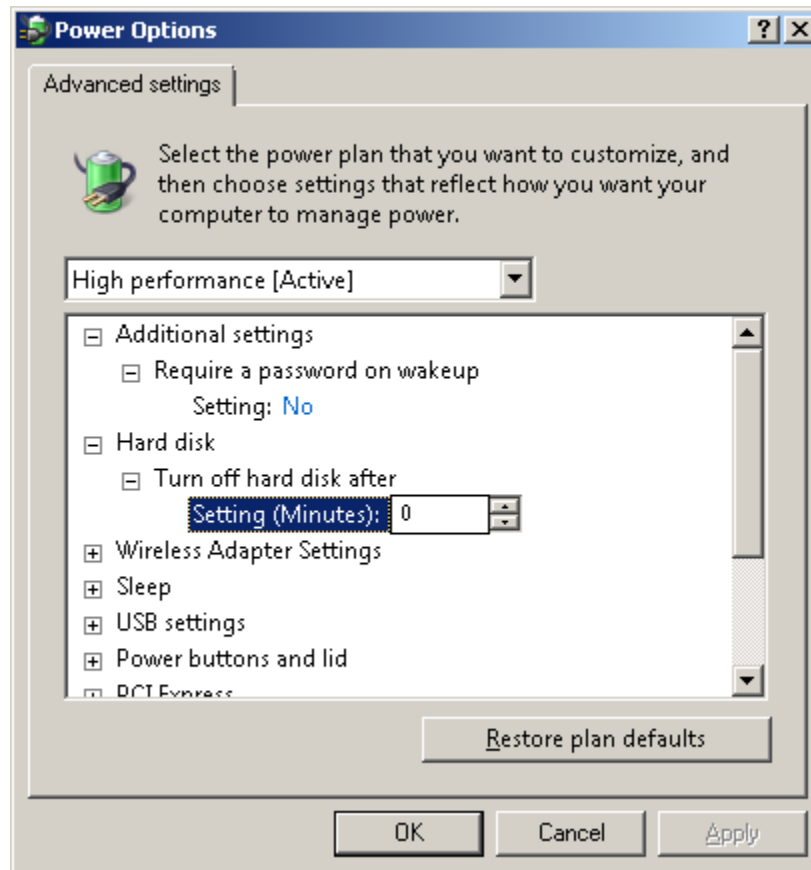
- Select Turn off display/sleep "Never" and then click <u>Change advanced power settings...</u>
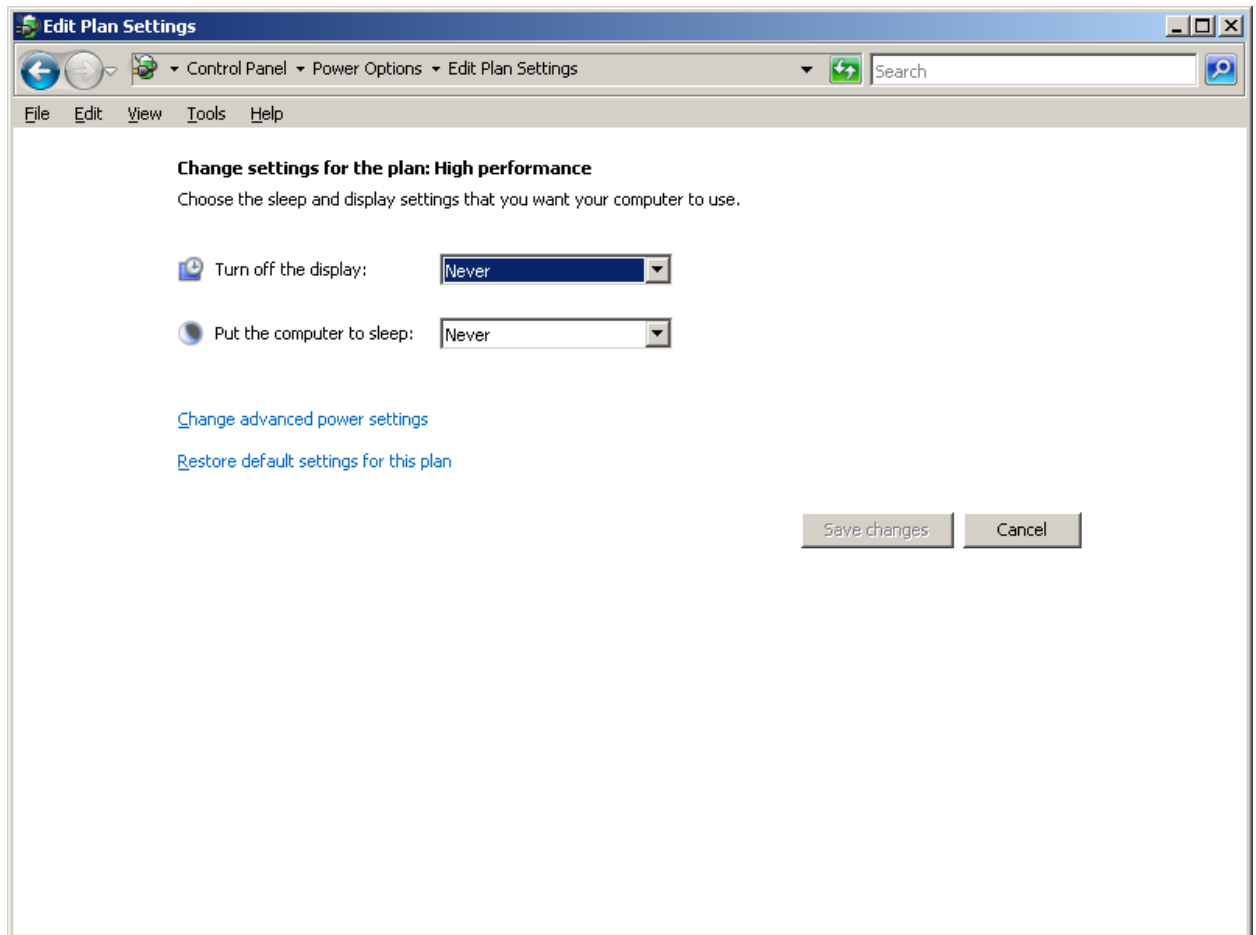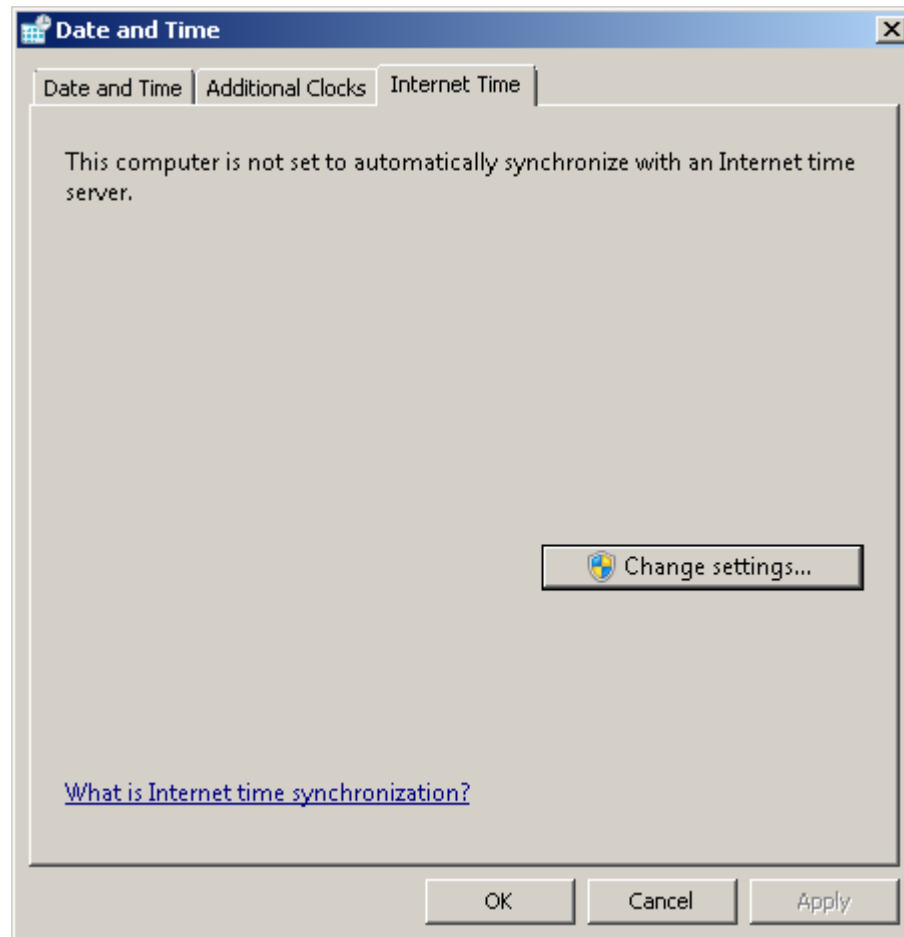
- Click <u>Change settings that are currently unavailable.</u>
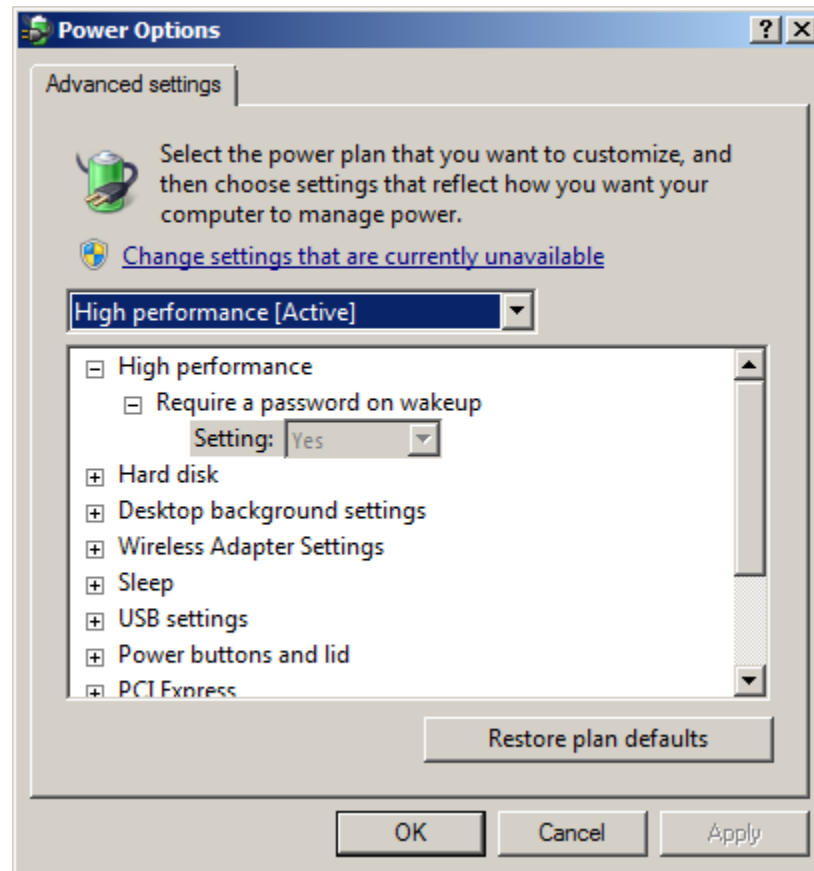
- Change the following settings:
  - Require a password on wakeup \ setting: NO
  - Turn off Hard disk after \ setting: Never
  - Sleep \ Sleep after \ setting: Never
  - Sleep \ Hibernate after \ setting: Never

- Select the Control Panel \ Clock, Language, and Region\ Date and Time
  - Under the Internet Time tab select <u>Change settings..</u>

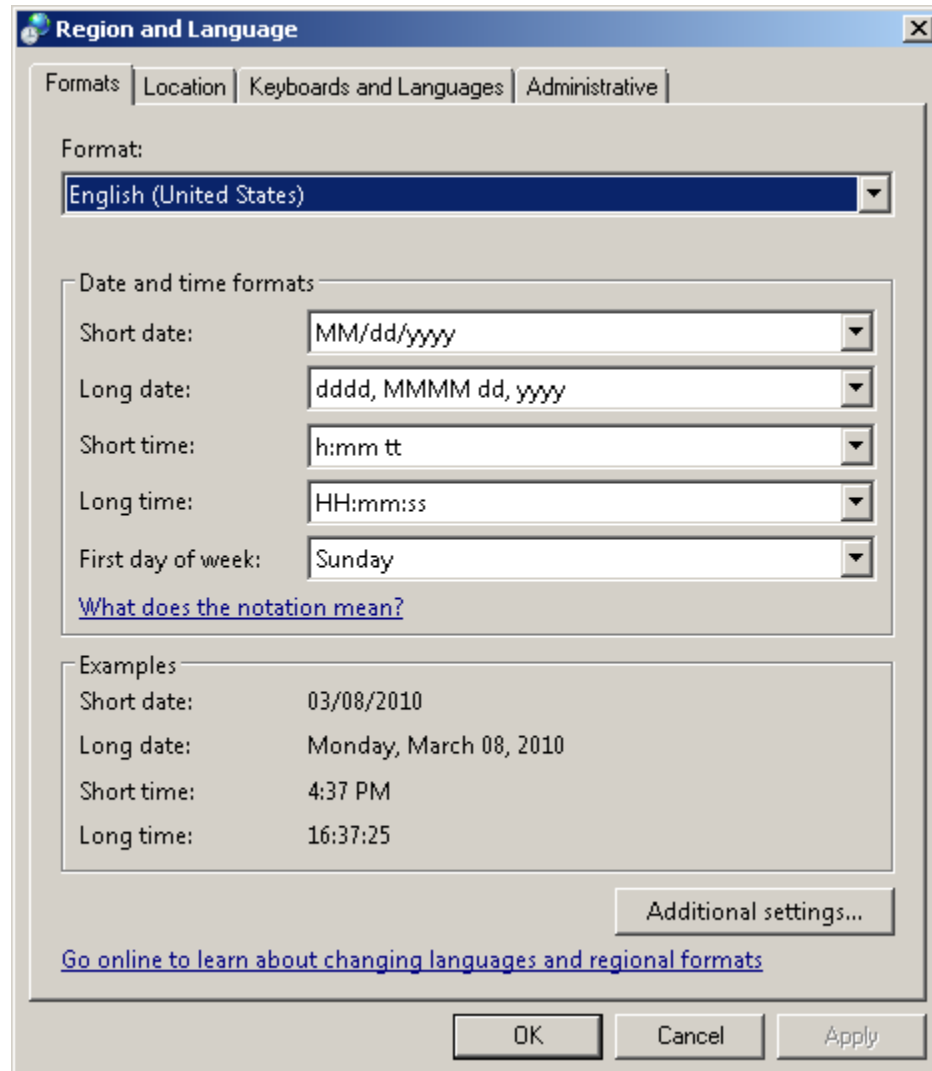 - Remove the check mark next to 'Synchronize with an Internet time server'
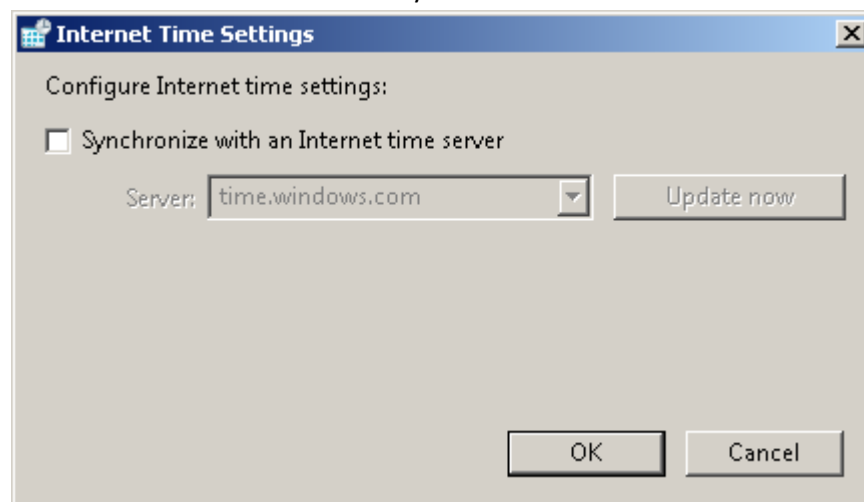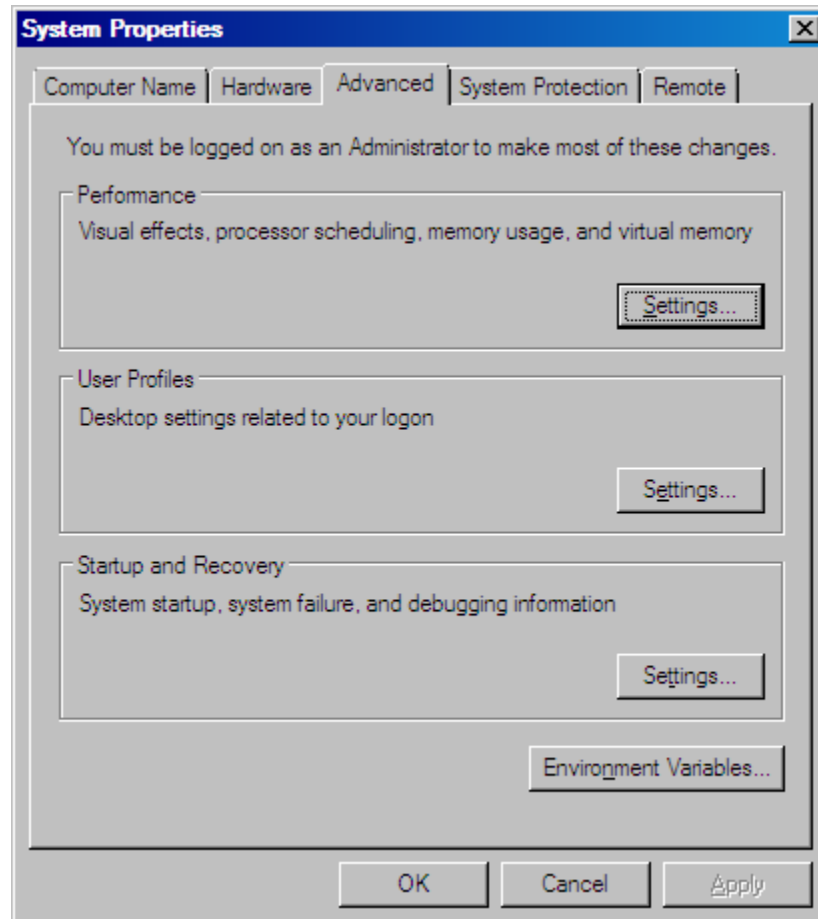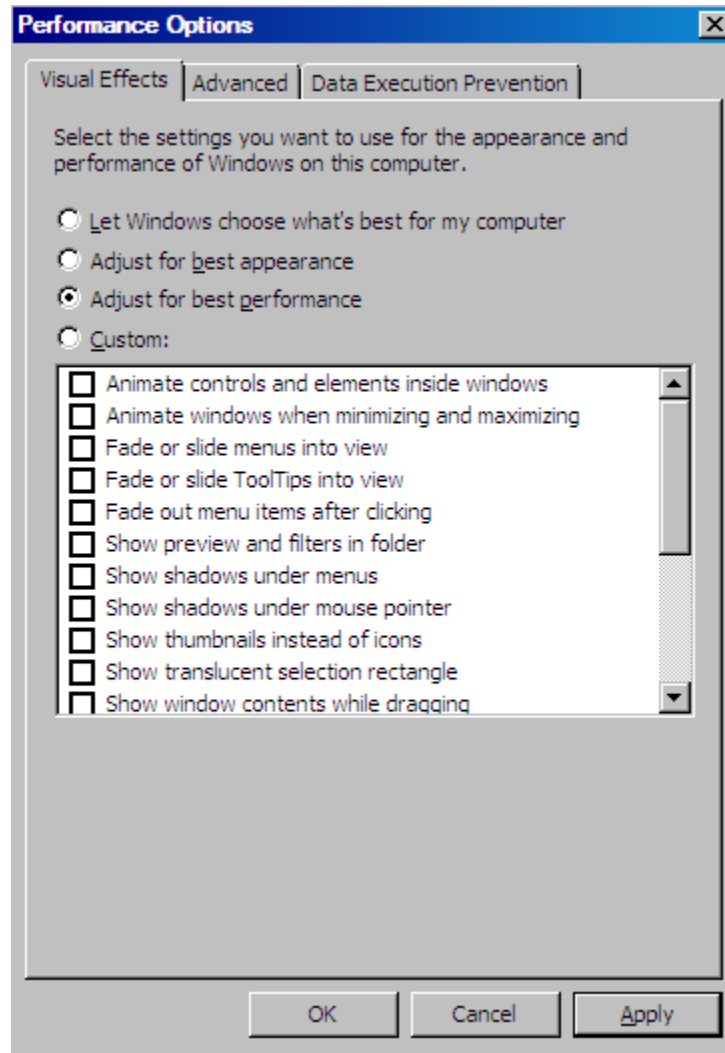

  - Click OK

- Select the Control Panel \ Clock, Language, and Region\ Region and Language
  - Set the Short date to MM/dd/yyyy
  - Set the Long time to HH:mm:ss
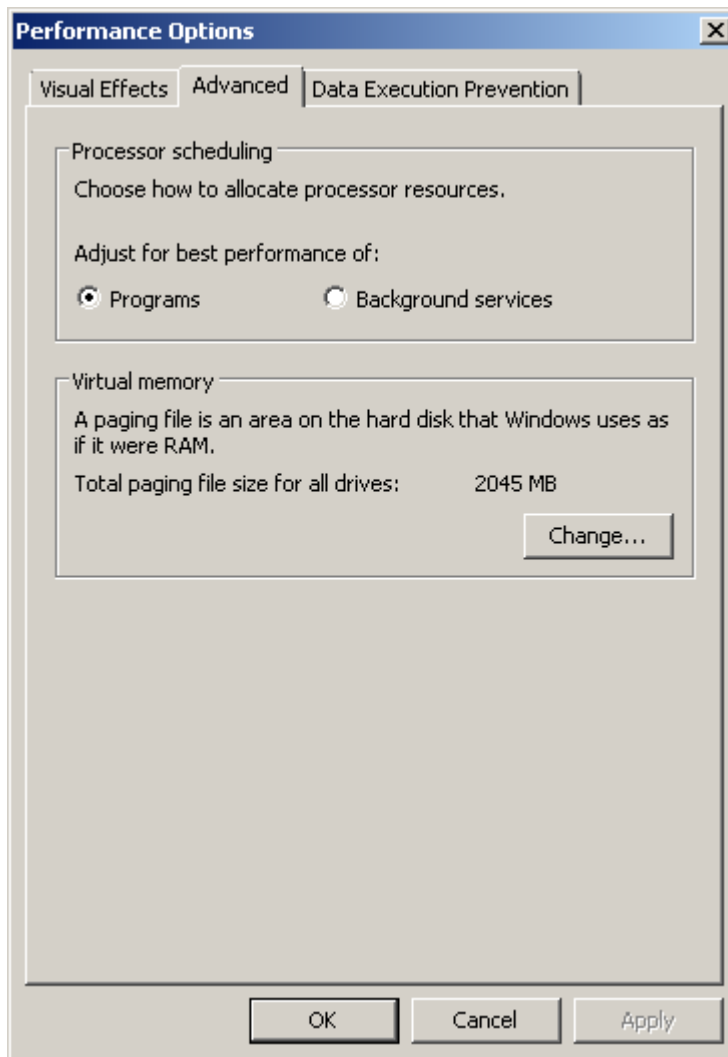
- Under Control Panel \ System and Security \ System
  - select <u>Advanced system settings</u> on the Left
  - Select the Advanced tab then click "<u>S</u>ettings" for Performance…

- Select Adjust for best performance and apply

o   Select the <u>Advanced</u> Tab on the Performance Options window

Performance Options ✕

Visual Effects | Advanced | Data Execution Prevention

┌─ Processor scheduling ──────────────────────
│ Choose how to allocate processor resources.
│
│ Adjust for best performance of:
│
│ ⦿ Programs   ○ Background services
└──

┌─ Virtual memory ──────────────────────────────
│ A paging file is an area on the hard disk that Windows uses as
│ if it were RAM.
│
│ Total paging file size for all drives: 2045 MB
│
│   [Change...]
└──

[OK]   [Cancel]   [Apply]

o   Select the <u>Change</u> button in the Virtual memory section

o On the Virtual Memory window remove the check mark next to 'Automatically manage paging file size for all drives'
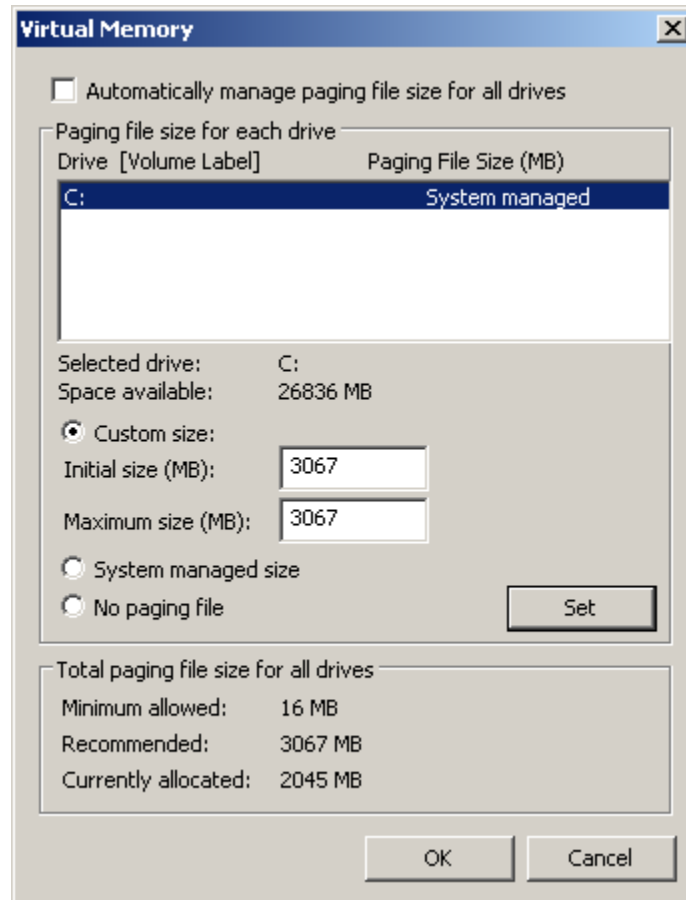

o Select the radio button for Custom size and enter the number listed in the recommended field for both Initial size and Maximum size.
o Select the set button.

Note: the number entered in the Custom size should be 1 and ½ times the amount of physical RAM installed in the machine.

- View the Device Manager and verify there are no device issues (Exclamation next to device tree)
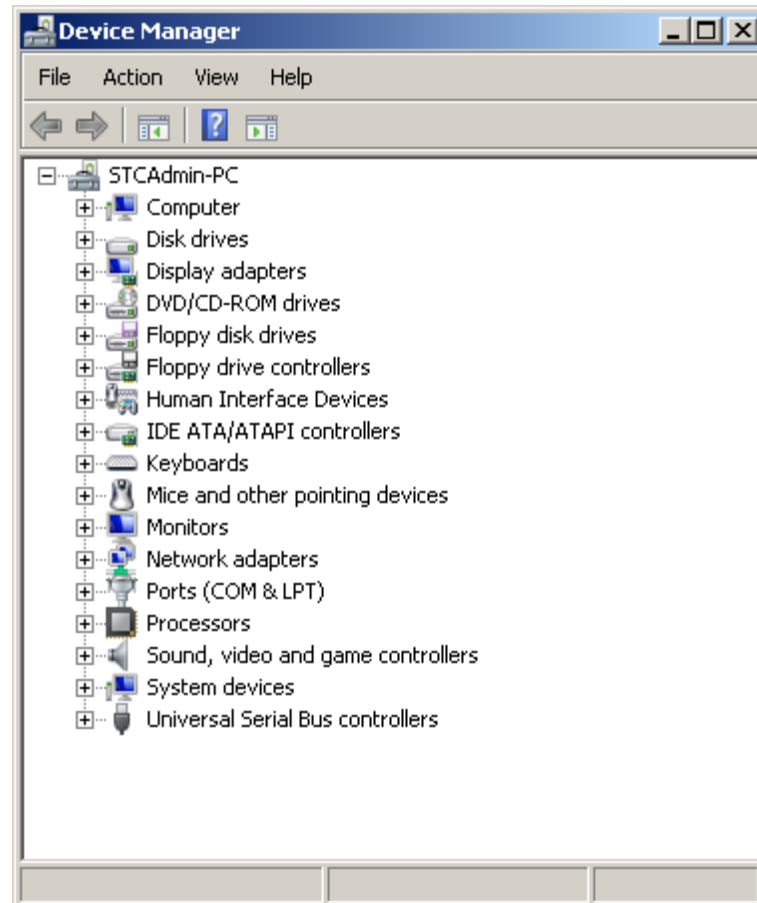
- Next, under Control Panel \ System and Security \ Windows update
    - Click change settings on the left, and select "Check for updates but let me choose whether to download and install them."
    - Click ok.
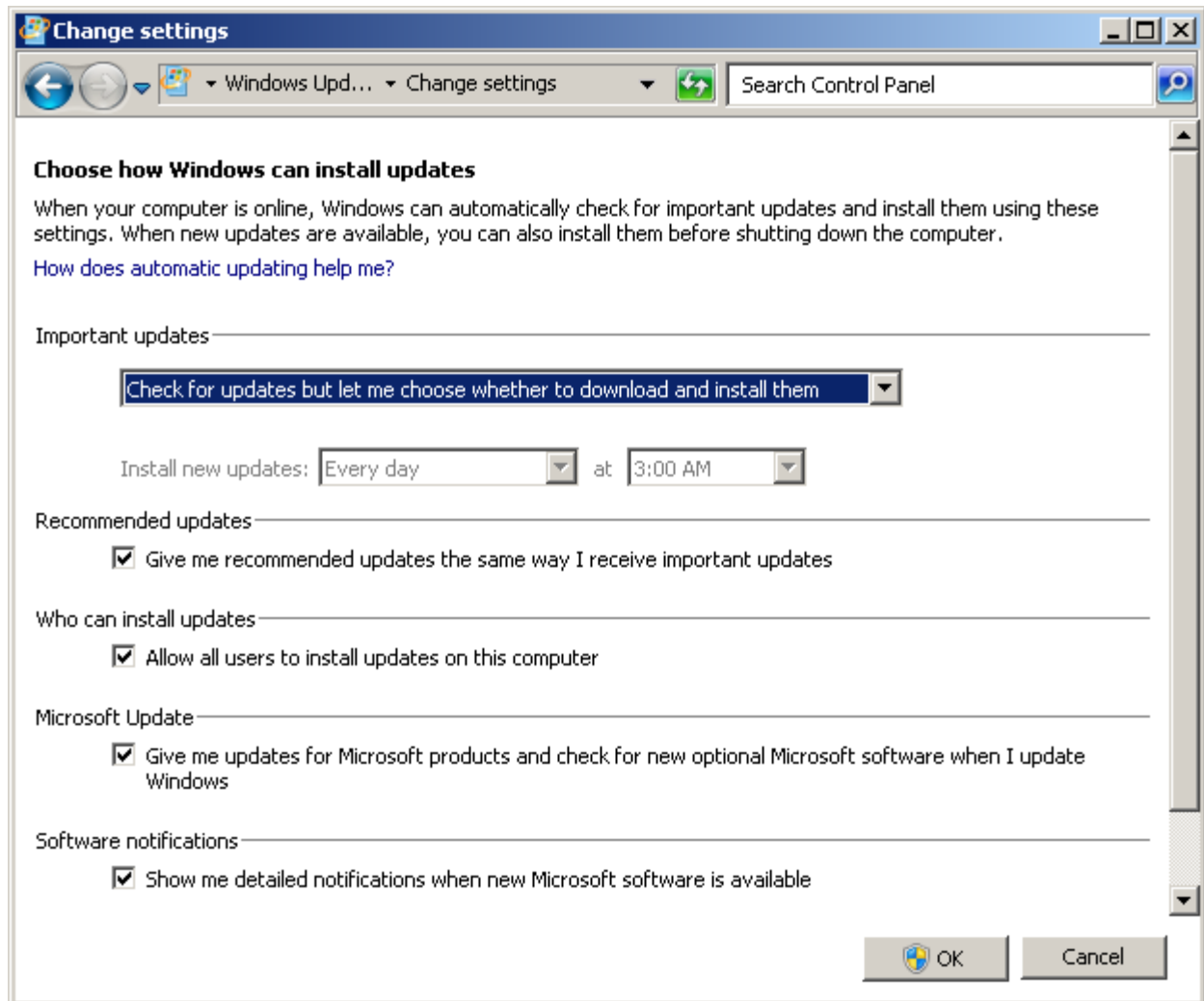
- Ensure Windows Logs for Application, Security, and System have "Overwrite events as needed" selected. This can be checked under Control Panel \ System and Security \ Administrative tools \ Event Viewer \ Windows Logs.
  - Right click on the Application, Security, and System icon and select properties.

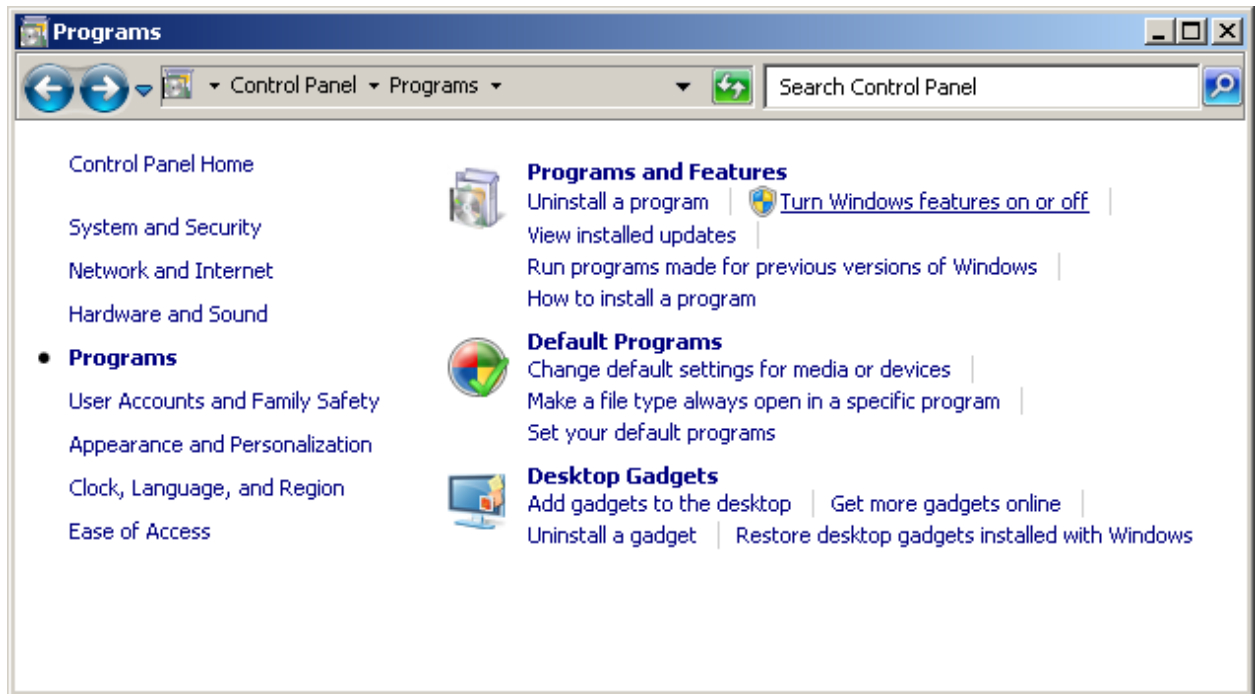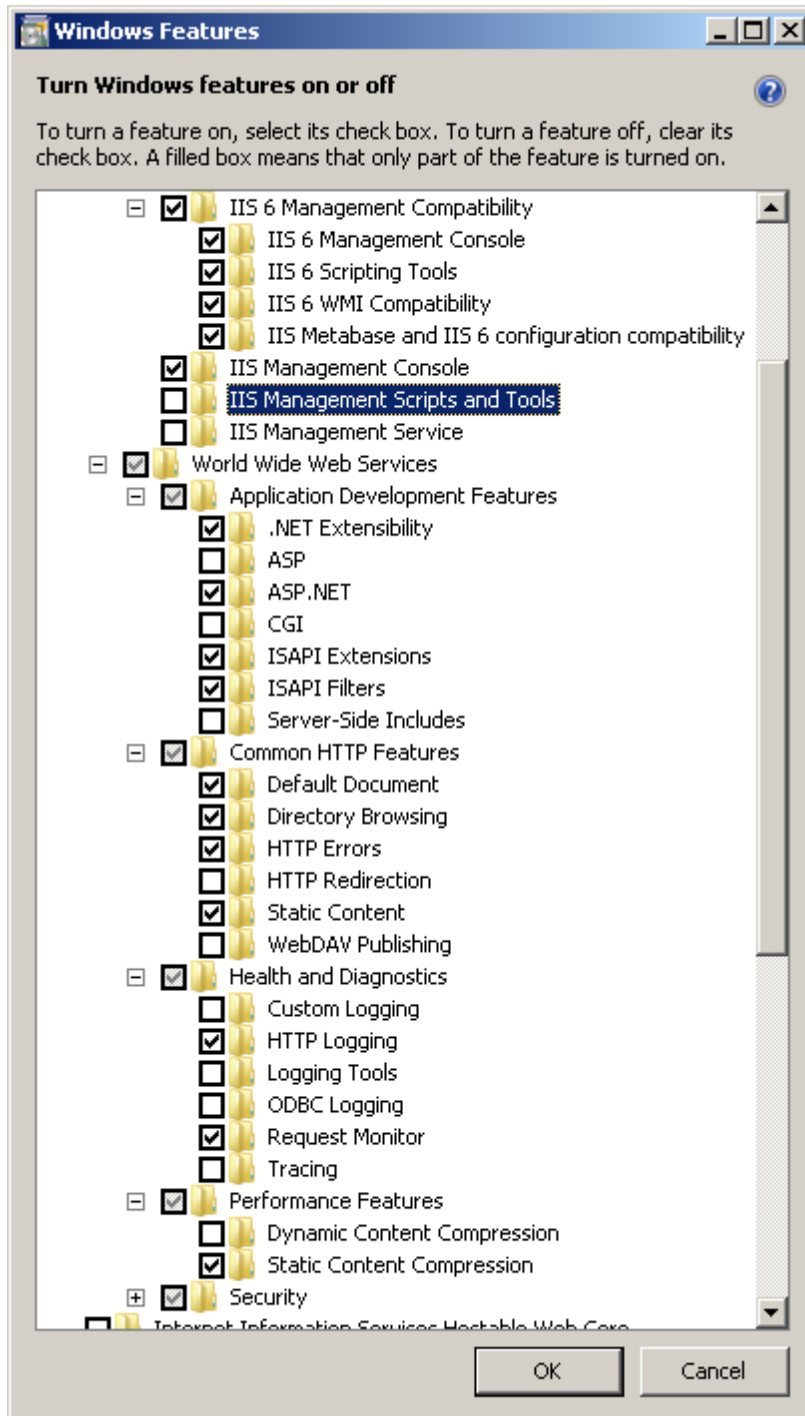*Note:* "Overwrite events as needed" *is on, by default.*
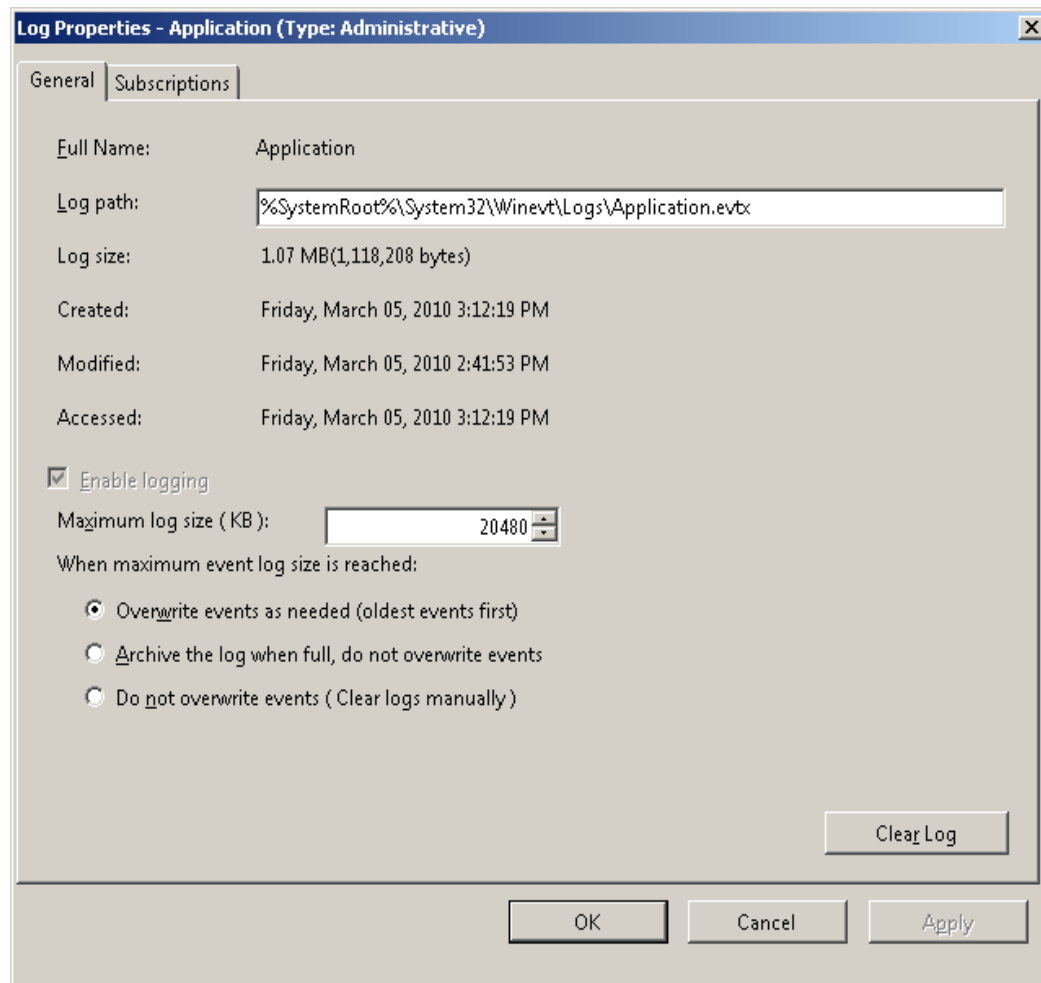
Note: External media is not required to install these components in Windows 7

**Under Control Panel \ Programs \ Programs and Features, select <u>Turn Windows features on or off</u>**

Install the following Windows components and sub components:

- IIS

- o Click Ok when all your check boxes look like the image above.
- o Installation will take a few minutes.

- MSMQ
  - Select Message Queuing and Expand
    - Select Message Queuing Services and Expand
      - Select Message Queuing Server
      - Message Queuing Triggers
      - HTTP Support
      - Multicasting Support
      - Click Next and wait for installation to complete
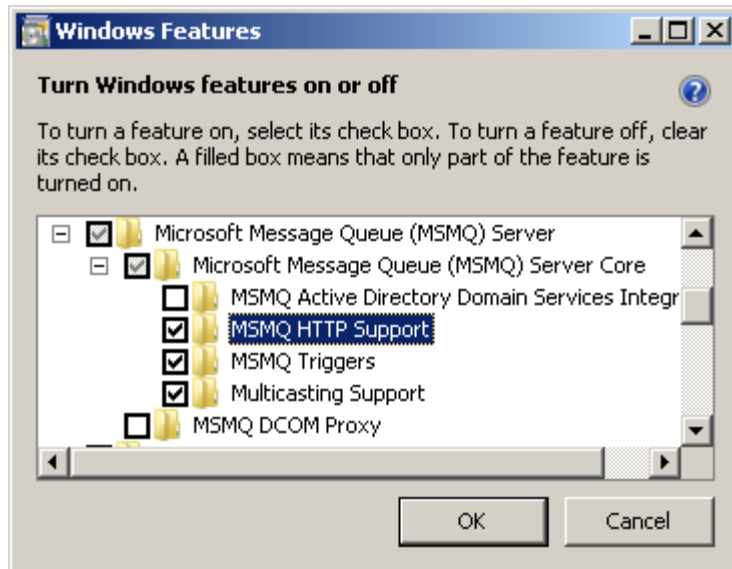
  - Click Ok when all your check boxes look like the image above.
  - Installation will take a few minutes.

Proceed to install Axess