

# Upgrading to Windows 7: How it impacts your IVI and VISA installations

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The IVI Foundation and its member companies have extensively tested the IVI and VISA shared components with Microsoft Windows 7. We have found no significant issues or concerns with using IVI shared components with the shipping version of Windows 7.

In addition, this document contains observations from our testing when upgrading to Windows 7 from either Windows XP or Windows Vista.

## Windows XP to Windows 7 (32-bit or 64-bit)

- Microsoft does not support an in-place upgrade from Windows XP to Windows 7.
- Microsoft has a tutorial at:  
<http://windows.microsoft.com/en-us/windows7/help/upgrading-from-windows-xp-to-windows-7>
- **We have tested upgrading from Windows XP to Windows 7 with IVI & VISA Shared components, and have observed the following:**
  - To retain the IVI configuration store and VISA conflict resolution through the upgrade process, you must back up and restore the files associated with these features manually.
- Upgrade process:
  1. If you use the IVI Configuration store, back up the associated file<sup>1</sup>. Transfer of this file is not supported by the *Windows Easy Transfer* software.
  2. If you use the VISA conflict resolution file, back up the associated file<sup>2</sup>. Transfer of this file is not supported by the *Windows Easy Transfer* software.
  3. Use the *Windows Easy Transfer* software to back up your files and settings to an external hard drive
  4. Ensure your hardware is supported by Windows 7, and do a "custom" Install of Windows 7.
  5. Restore your files and settings & reinstall your software
  6. Restore your IVI Configuration store file and VISA conflict resolution file, if needed<sup>3</sup>.

## Windows Vista 32 to Windows 7 (32-bit)

## Windows Vista 64 to Windows 7 (64-bit)

- Microsoft supports an in-place upgrade from Windows Vista to Windows 7 in most cases, so long as you retain your "bitness," i.e. 32-bit to 32-bit, or 64-bit to 64-bit. The following chart shows the supported upgrade paths:

<b>If you're running:</b>	Upgrade to Windows 7 Home Premium	Upgrade to Windows 7 Professional	Upgrade to Windows 7 Ultimate
Windows Vista Home Basic	✓		✓
Windows Vista Home Premium	✓		✓
Windows Vista Business		✓	✓
Windows Vista Ultimate			✓

Source: Microsoft Corporation

- To upgrade, you will need to install Windows 7 using the "upgrade" option

- Microsoft has a tutorial at:  
<http://windows.microsoft.com/en-us/windows7/help/upgrading-from-windows-vista-to-windows-7>
- **We have tested upgrading from Windows Vista to Windows 7 with IVI and VISA Shared components. We found no issues. All settings migrated successfully.**

## Windows Vista 32 to Windows 7 (64-bit)

## Windows Vista 64 to Windows 7 (32-bit)

- Microsoft does not support an in-place upgrade from Windows Vista to Windows 7 if you are changing "bitness".
- To upgrade, you will need to perform an upgrade similar to the one for Windows XP to Windows 7 described above.
- Microsoft has a tutorial at:  
<http://windows.microsoft.com/en-us/windows7/help/upgrading-from-windows-vista-to-windows-7-custom>
- See the observations from the Windows XP upgrade topic above.

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<sup>1</sup> The default location of the IVI configuration store file (`IviConfigurationStore.xml`) varies with version of the operating system in use. Note that these directories are hidden by default; you must show hidden files in order to access them:

- In Windows XP, the IVI Configuration store file should be backed up from  
`<windows directory>\Documents and Settings\All Users\Application Data\IVI Foundation\IVI`  
or  
`<windows directory>\Profiles\All Users\Application Data\IVI Foundation\IVI`  
or  
`<program files>\IVI\Data.`
- In Windows Vista, the IVI Configuration store file should be backed up from  
`C:\ProgramData\IVI Foundation\IVI.`
- You can locate the correct file by examining the `MasterStore` registry entry in the `HKEY_LOCAL_MACHINE\SOFTWARE\IVI\ConfigurationServer` registry key.

<sup>2</sup> The location of the VISA conflict resolution file (`ConflictTbl.xml`) varies with version of the operating system in use. Note that these directories are hidden by default; you must show hidden files in order to access them:

- In Windows XP, the VISA conflict resolution file should be backed up from  
`<windows directory>\Documents and Settings\All Users\Application Data\IVI Foundation\VISA`  
or  
`<windows directory>\Profiles\All Users\Application Data\IVI Foundation\VISA.`
- In Windows Vista, the VISA conflict resolution file should be backed up from  
`C:\Users\All Users\IVI Foundation\VISA.`

<sup>3</sup> In Windows 7, the IVI configuration store file (`IviConfigurationStore.xml`) should be placed in `C:\ProgramData\IVI Foundation\IVI` and the VISA conflict resolution file (`ConflictTbl.xml`) should be placed in `C:\Users\All Users\IVI Foundation\VISA`. Note that these directories are hidden by default; you must show hidden files in order to access them.