

Windows Installer Technical Description

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Client Installer

The installer installs for **All Users**, placing shortcuts and Start Menu links under *C:\Documents and Settings\All Users* instead of the current user.

Copy Files

All of the necessary files to run Variations are copied to the install directory specified in the installer. The recommended directory is **C:/Program Files /Variations/**.

Create Shortcuts

A desktop shortcut (**Variations.Ink**) to the Variations command file (**Client/Variations.cmd**) is created with the Variations Icon (**Client/resources/icons /Variations2xp.ico**).

Create Start Menu Folder and Items

A Start Menu Folder is created with the user specified folder name which is **Variations** by default. The installer adds a shortcut (**Variations.Ink**) to the Variations command file exactly like the one created on the desktop and a shortcut (**Uninstall Variations.Ink**) to the uninstaller (**uninstall.exe**). Finally, an internet shortcut (**UserGuide.url**) is added by the installer which points to the user guide's webpage (at IU: <http://variations2.indiana.edu/user/index.html>).

Create Registry Keys

The following table lists the registry keys that are created and their values. Note that \$INSTDIR is replaced with the install directory specified by the user during the install process.

Registry Key	Name	Type	Data
My Computer\HKEY_CLASSES_ROOT\v2x	(Default)	REG_SZ	v2xfile
My Computer\HKEY_CLASSES_ROOT\v2x	Content Type	REG_SZ	application/x-variations2
My Computer\HKEY_CLASSES_ROOT\v2xfile	(Default)	REG_SZ	Variations file
My Computer\HKEY_CLASSES_ROOT\v2xfile	EditFlags	REG_BINARY	00000100
My Computer\HKEY_CLASSES_ROOT\v2xfile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client/resources/icons\v_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2xfile\shell\open\command	(Default)	REG_SZ	\$INSTDIR\Client\variations.cmd %1%1%
My Computer\HKEY_CLASSES_ROOT\v2t	(Default)	REG_SZ	v2tfile
My Computer\HKEY_CLASSES_ROOT\v2t	Content Type	REG_SZ	application/x-variations2-timeline
My Computer\HKEY_CLASSES_ROOT\v2tfile	(Default)	REG_SZ	Variations timeline file
My Computer\HKEY_CLASSES_ROOT\v2tfile	EditFlags	REG_BINARY	00000100
My Computer\HKEY_CLASSES_ROOT\v2tfile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client\resources\icons\v_timeline_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2tfile\shell\open\command	(Default)	REG_SZ	\$INSTDIR\Client\variations.cmd %1%1%
My Computer\HKEY_CLASSES_ROOT\v2b	(Default)	REG_SZ	v2bfile
My Computer\HKEY_CLASSES_ROOT\v2b	Content Type	REG_SZ	application/x-variations2
My Computer\HKEY_CLASSES_ROOT\v2bfile	(Default)	REG_SZ	Variations bookmark file

My Computer\HKEY_CLASSES_ROOT\v2bfile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client\resources\icons\v_bookmark_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2a	(Default)	REG_SZ	v2afile
My Computer\HKEY_CLASSES_ROOT\v2a	Content Type	REG_SZ	application/x-variations2
My Computer\HKEY_CLASSES_ROOT\v2afile	(Default)	REG_SZ	Variations annotated file
My Computer\HKEY_CLASSES_ROOT\v2afile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client\resources\icons\v_annotation_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2afile\shell\open\command	(Default)	REG_SZ	\$INSTDIR\Client\variations.cmd %!*%1\$*
My Computer\HKEY_CLASSES_ROOT\v2p	(Default)	REG_SZ	v2pfile
My Computer\HKEY_CLASSES_ROOT\v2p	Content Type	REG_SZ	application/x-variations2
My Computer\HKEY_CLASSES_ROOT\v2pfile	(Default)	REG_SZ	Variations playlist file
My Computer\HKEY_CLASSES_ROOT\v2pfile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client\resources\icons\v_playlist_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2pfile\shell\open\command	(Default)	REG_SZ	\$INSTDIR\Client\variations.cmd %!*%1\$*
My Computer\HKEY_CLASSES_ROOT\v2l	(Default)	REG_SZ	v2lfile
My Computer\HKEY_CLASSES_ROOT\v2l	Content Type	REG_SZ	application/x-variations2
My Computer\HKEY_CLASSES_ROOT\v2lfile	(Default)	REG_SZ	Variations lesson file
My Computer\HKEY_CLASSES_ROOT\v2lfile\DefaultIcon	(Default)	REG_SZ	\$INSTDIR\Client\resources\icons\v_lesson_document_xp.ico,0
My Computer\HKEY_CLASSES_ROOT\v2lfile\shell\open\command	(Default)	REG_SZ	\$INSTDIR\Client\variations.cmd %!*%1\$*
My Computer\HKEY_CLASSES_ROOT\MIME\Database\Content Type\application/x-variations2	Extension	REG_SZ	.v2x
My Computer\HKEY_CLASSES_ROOT\MIME\Database\Content Type\application/x-variations2-timeline	Extension	REG_SZ	.v2t

Create Uninstaller

An uninstaller is created and its description follows [below](#).

Digitizer Installer

Copy Additional Files

Additional files to run Variations' digitizer tools are copied to the install directory specified in the installer. The recommended directory is **C:/Program Files /Variations/**.

Create Additional Shortcuts

An additional desktop shortcut (**Variations MP4 Encoder.Ink**) to the Variations encoder command file (**Client/Variations-encoder.cmd**) is created with the Variations Icon (**Client/resources/icons/variations2xp.ico**). Also a desktop shortcut (**Variations DjVu Encoder.Ink**) to the Variations djvu encoder command file (**Client/Variations-djvuencoder.cmd**) is created with the Variations Icon (**Client/resources/icons/variations2xp.ico**).

Create Additional Start Menu Items

The installer adds additional shortcuts (**Variations MP4 Encoder.Ink** and **Variations DjVu Encoder.Ink**) to the Variations encoder command files exactly like the additional ones created on the desktop.

Uninstaller

The uninstaller removes all of the files, desktop shortcuts, start menu items and folder, and registry keys that were created by the installer.