

Xilinx ISE 14.7 on Windows 10

A short guide to installing and using Xilinx ISE 14.7 on Windows 10

Prerequisites

- Download Xilinx ISE 14.7 (non-"Windows 10" package)
 - <https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vivado-design-tools/archive-ise.html#collapse-14-7>
 - Scroll down to "**14.7 Full Product Installation**"
 - Select "**Full Installer for Windows 7/XP/Server (TAR/GZIP - 6.18 GB)**"
 - Requires Xilinx account login and export approval in order to download
- Download the `libPortability.dll` patch
 - <https://www.exsosforum.co.uk/forum/viewtopic.php?p=95891#p95891>

Installation

- Install Xilinx ISE 14.7 (WebPack Edition)
 - Untar the downloaded ISE installer archive and run `xsetup.exe`
 - Select **ISE WebPack Edition**
 - Deselect WinPCAP driver installation
- Patch the `libPortability.dll`
 - Unzip the patch archive
 - At around 91% the installer will hang (Enabling WebTalk)
 - Move the `nt` and `nt64` folders into the ISE installation (`../14.7/ISE_DS/`)
 - `../common/lib`
 - `../EDK/lib`
 - `../ISE/lib`
 - Overwrite all existing files
 - Open a cmd prompt with administrator rights
 - Navigate to `../14.7/ISE_DS/ISE/bin/nt64`
 - Run `xwebtalk -install` on
 - Close the installer
- Acquire a license
 - Start the ISE license manager (not the Vivado one!)
 - Select the "Acquire a license" tab
 - Select the "**ISE WebPack**" option
 - Click "Next" and run through the registration process
 - Create new license: **ISE WebPack**
 - Download `xilinx.lic` license file (button in the bottom left corner)
 - Click "Load License..." in the license manager and load your license file
 - Click "Refresh" to reload the list
 - `ISE_WebPACK` should be shown in the list