



iCEcube2 Installation (Illustrated)

11-Jan-2012

Licenses/Platforms Supported

- Node-locked License
 - Windows 7 OS, 32-bit / 64-bit
 - Windows XP Professional
- Floating License Server
 - Windows 7 OS, 32-bit / 64-bit
 - Windows XP Professional
 - Red Hat Enterprise Linux WS v4.0

Installation Overview

- Installation is easy!
- Three main steps:
 - Assemble required materials
 - Perform the installation
 - Verify installation success
- Appendix A: Troubleshooting
- Appendix B: Linux Installation
- Appendix C: Install iCEman driver on Vista Home

Assemble Required Materials

- Node-Locked License (Windows only)
 - Submit your MAC ID to SiliconBlue
 - Launch “cmd” console, type “ipconfig –all”
- Floating installation (Linux & Windows)
 - Submit the MAC ID of your license server to SiliconBlue
 - Windows
 - Launch “cmd” console, type “ipconfig /all”
 - Linux
 - Type “ifconfig –a”. The Ethernet HWAddr gives the required MAC ID.
 - Request SiliconBlue for the `snpslmd` daemon, specify your platform (Windows or Linux) of your license server
 - You will need to modify the license file to include your license server name and port information

Assemble Required Materials

- Additional files for installation machine:
 - Registration is required prior to download
 - Download iCEcube2 software user guide
 - Download and unzip software installer

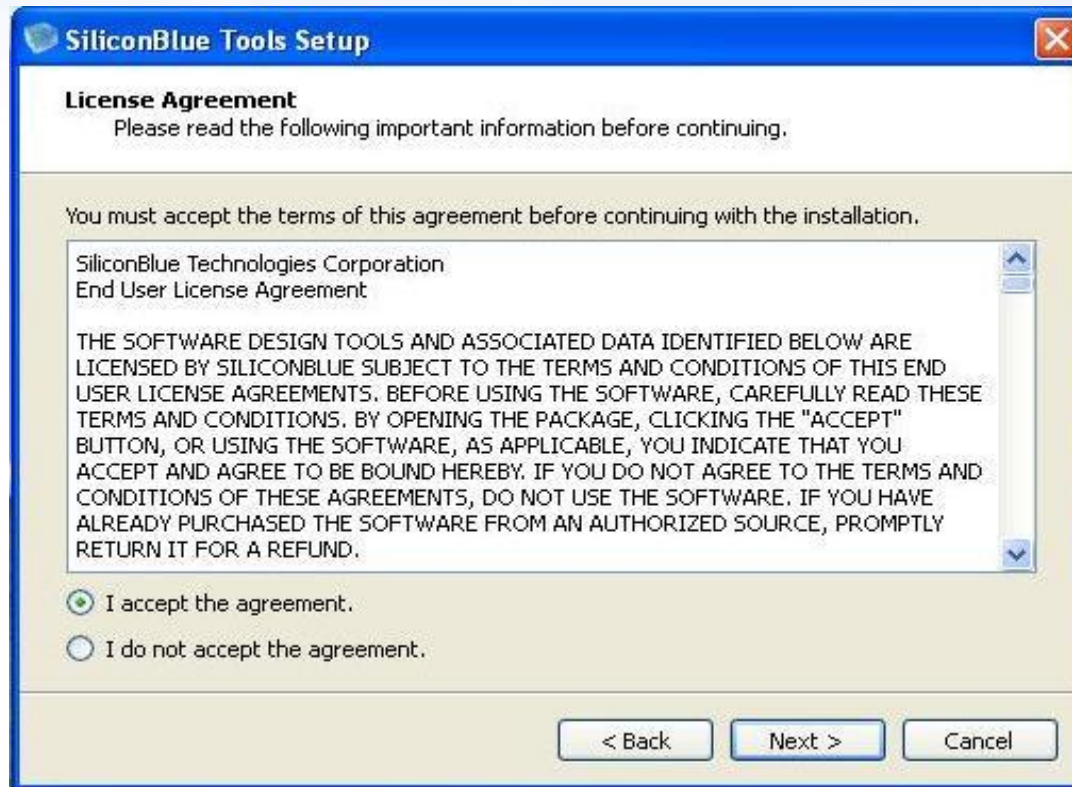
Perform the Installation

- Launch the iCEcube2 installer



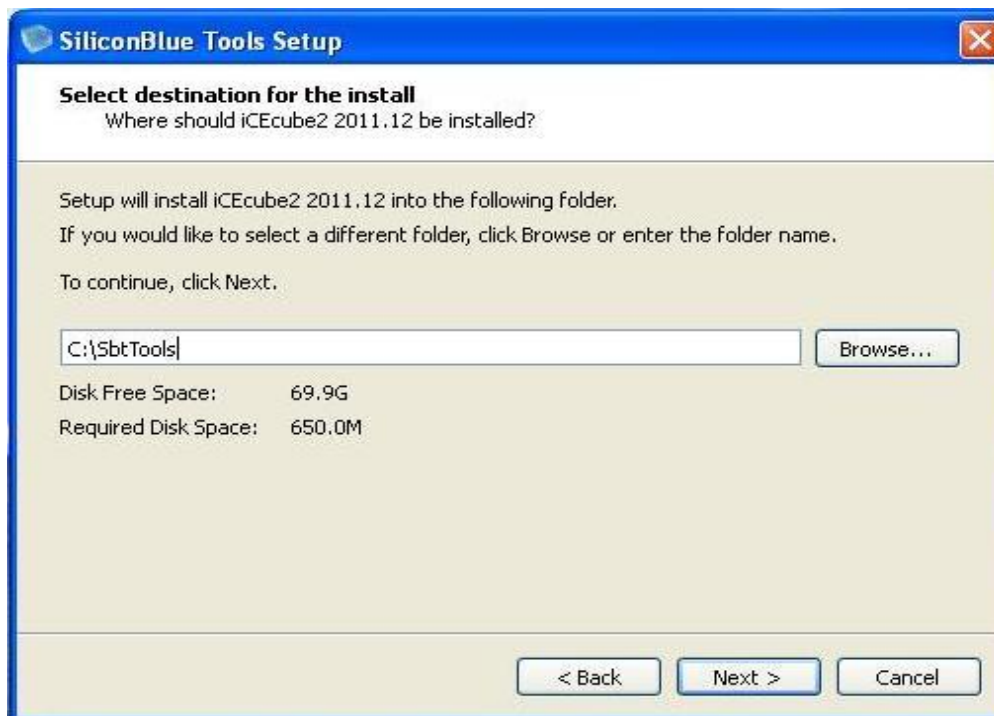
Perform the Installation

- Accept the license agreement



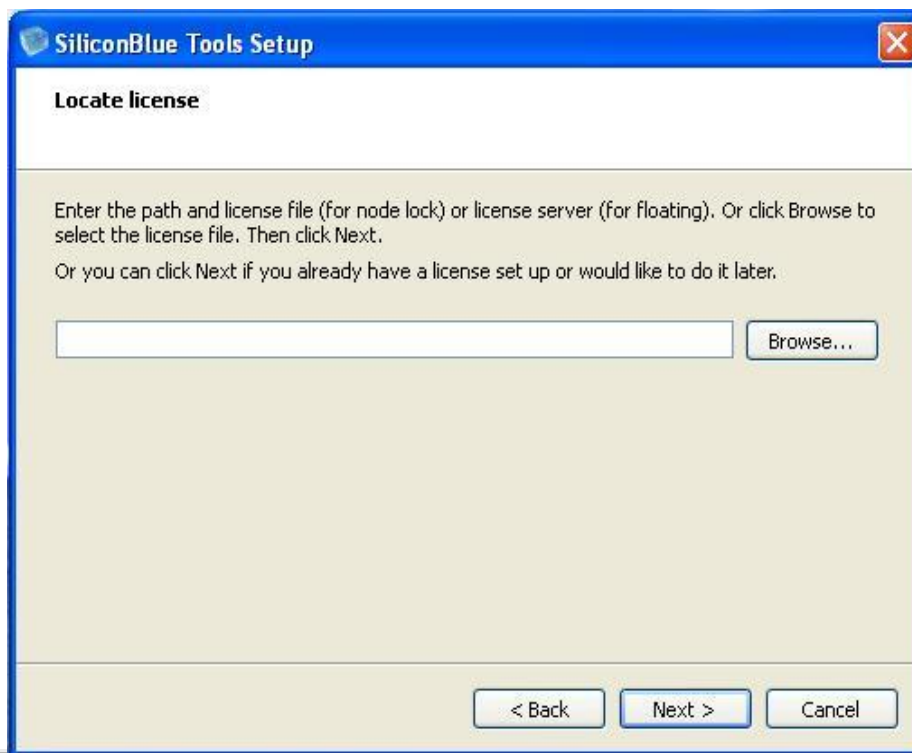
Perform the Installation

- Select the installation directory
 - Default location is recommended
 - No spaces are allowed



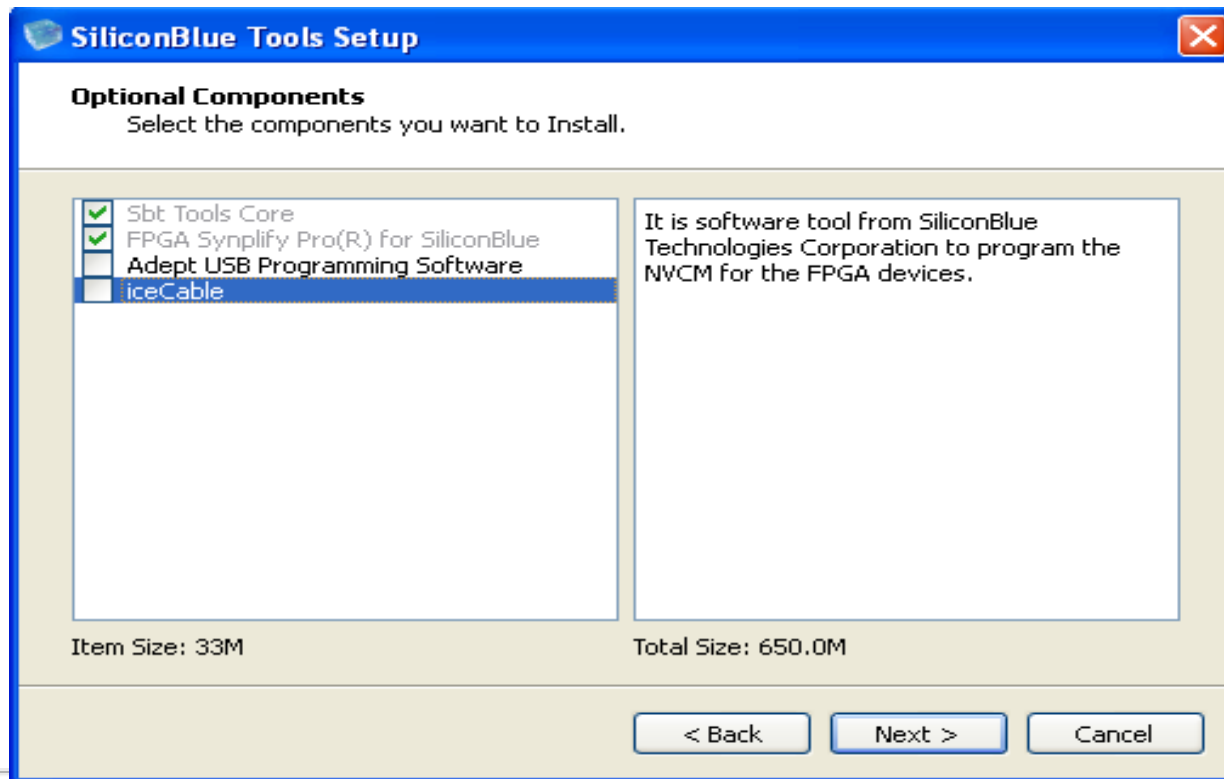
Perform the Installation

- Specify iCEcube2 license by either:
 - Browsing to locate a license file on disk
 - Typing a floating license server into the text box



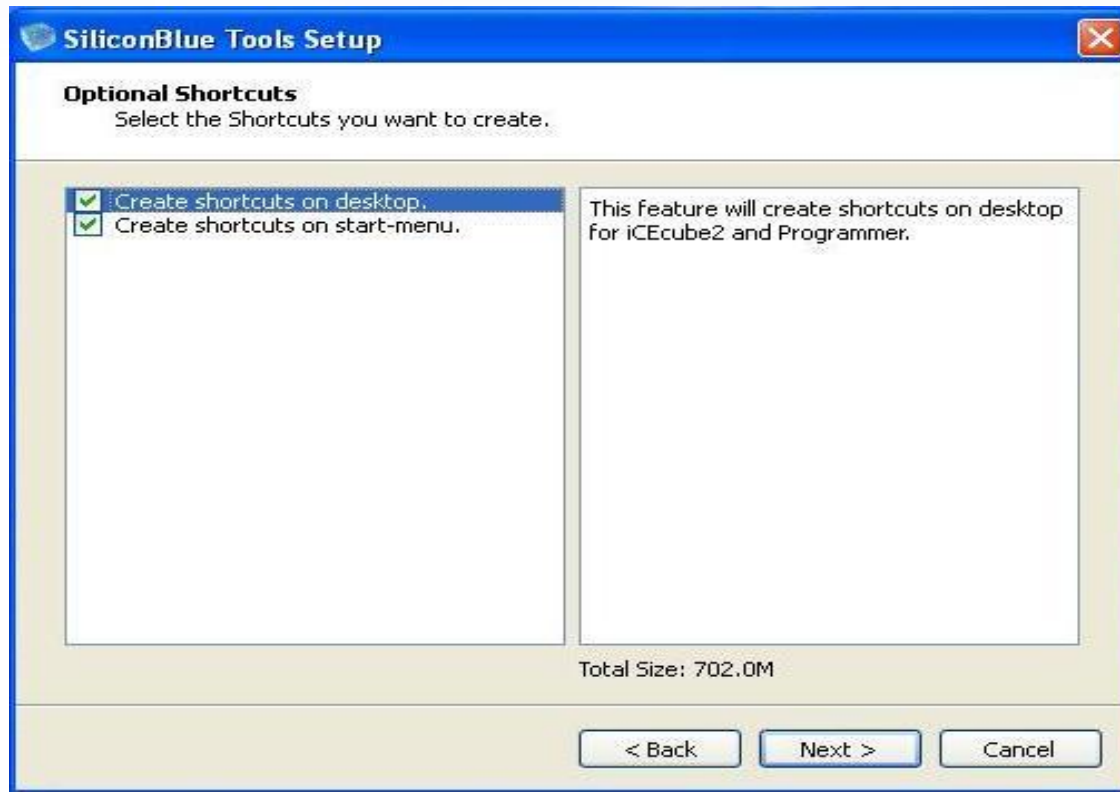
Perform the Installation

- Install Adept USB Programming Software for iCEman Or iCEcable
 - Check off the boxes if you have already installed or do not need to program iCE65/iCE40 Evaluation Boards



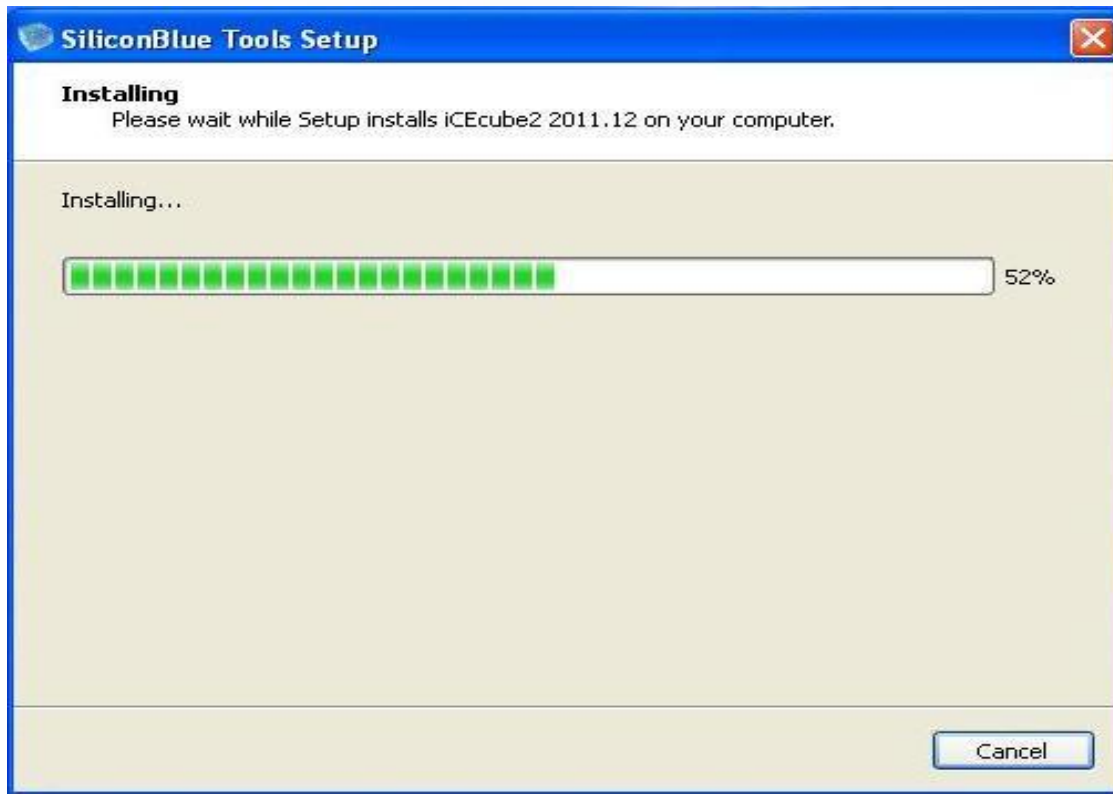
Perform the Installation

- Create shortcuts on desktop and start-menu.



Perform the Installation

- Installer starts to install iCEcube2 on your computer



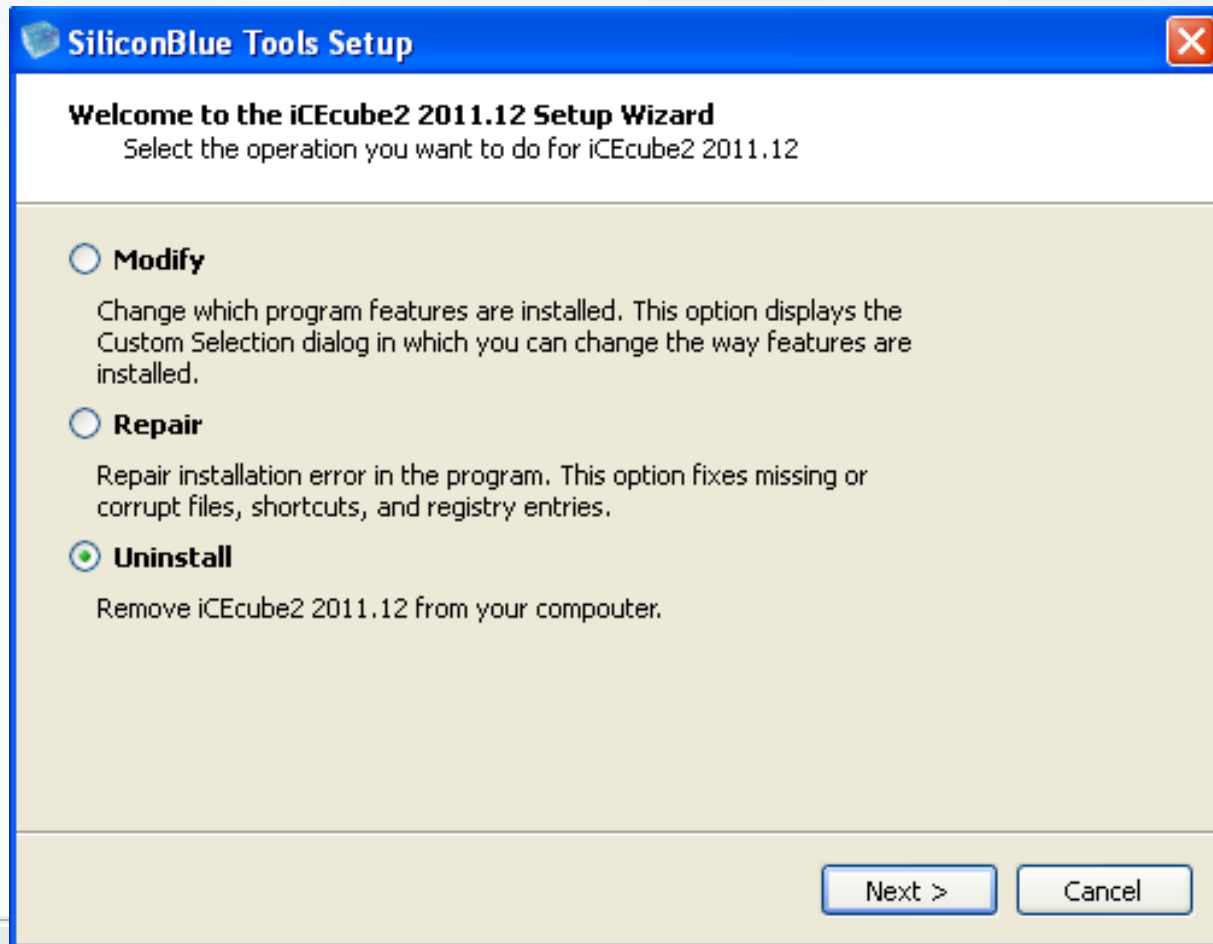
Perform the Installation

- When the Setup Wizard is finished, click “Finish” to exit and launch iCEcube2
- Congratulations!! You have successfully installed iCEcube2



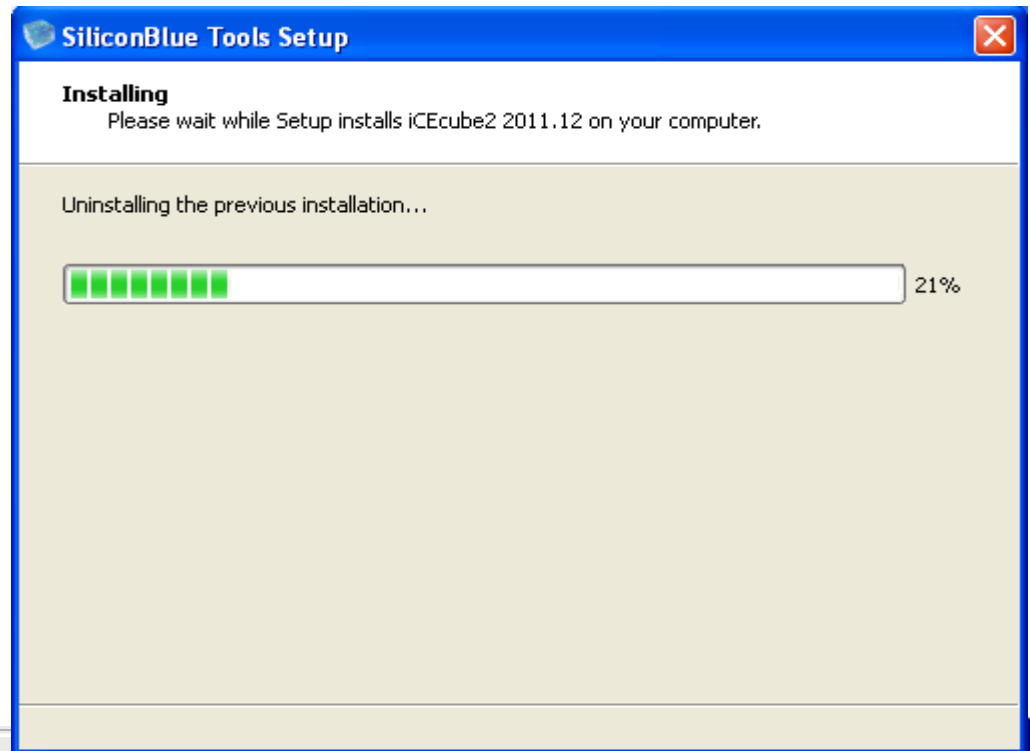
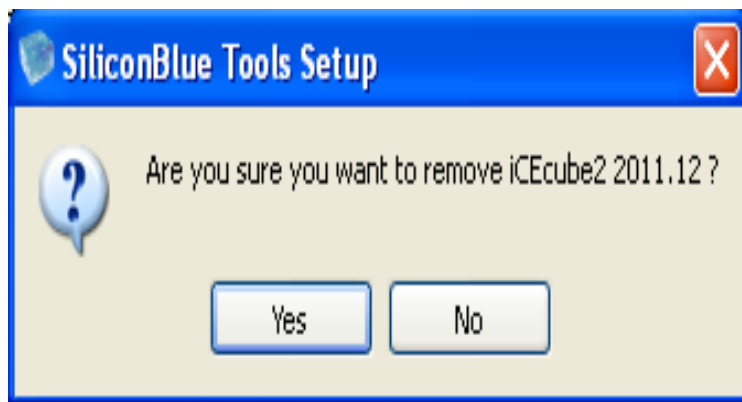
Uninstall/Modify/Repair iCEcube2

- Invoke *<installation_dir_path>/Setup.exe*



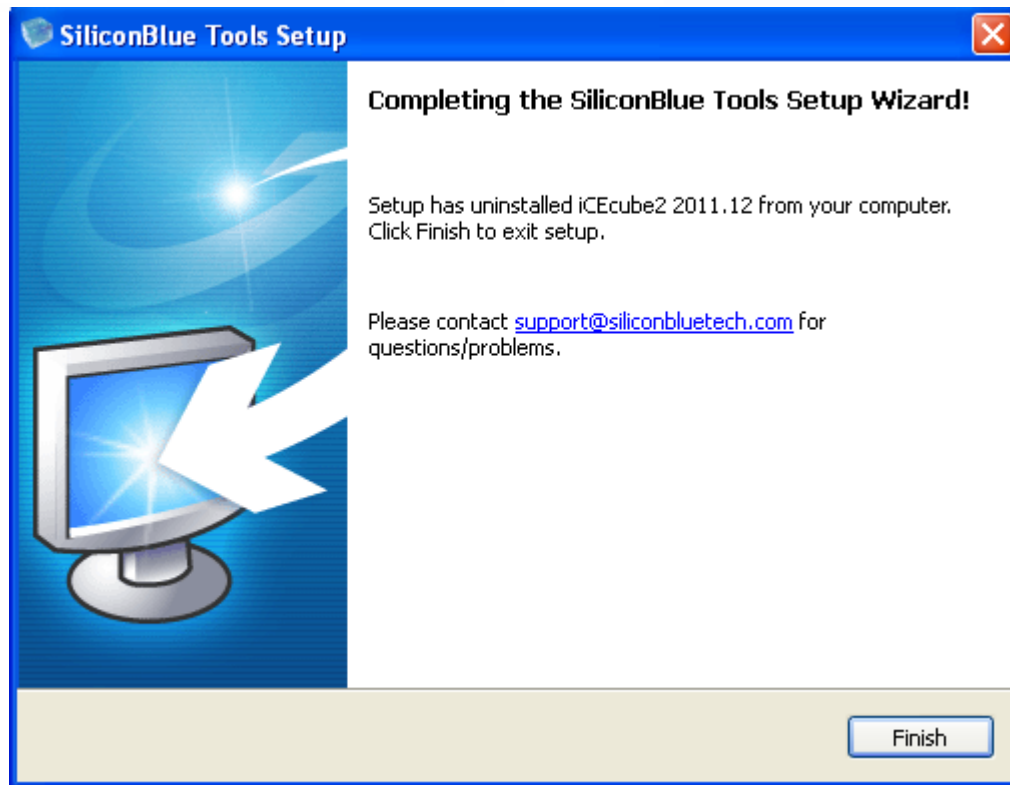
Uninstall iCEcube2

- Confirm to uninstall iCEcube2.
- Setup wizard starts to uninstall the software from your computer.



Uninstall iCEcube2

- Uninstall process completed. Click on “Finish” to exit the setup wizard.



Install Programming Tools

- To program the iCE65/iCE40 evaluation boards the user needs to install programming software's shipped with iCEcube2 installer.
- The programming software's can be either installed along with iCEcube2 installation process (slide 10) or through the “Modify” installation options (slide 14) as and when required.

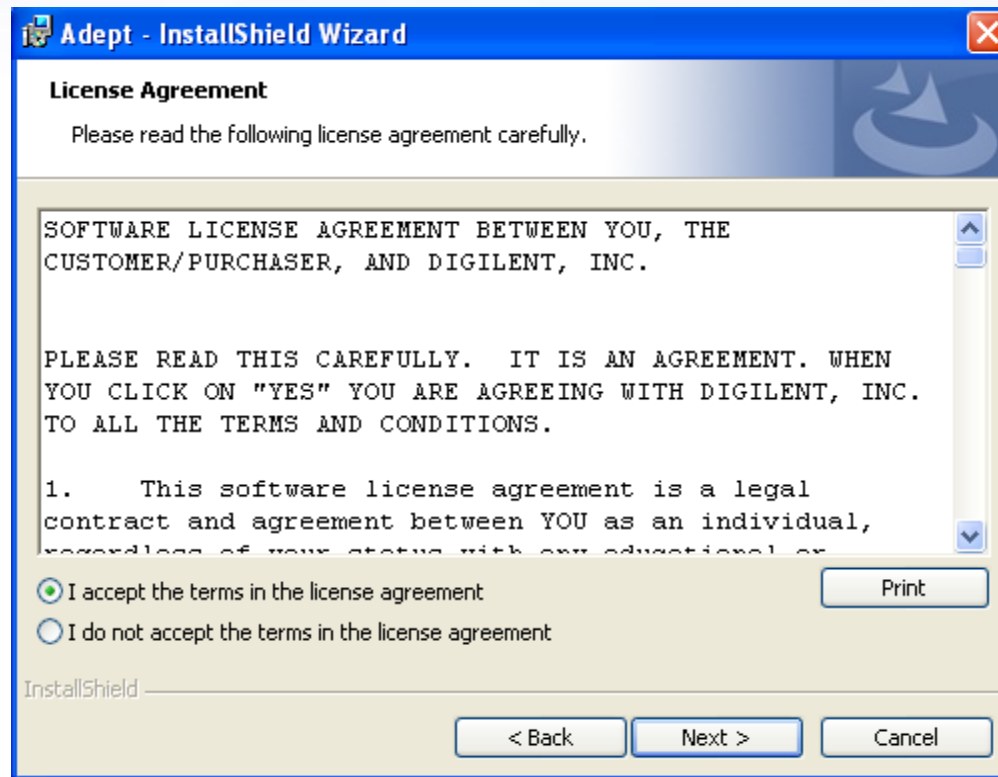
Install Programming Tools

- Adept installs the required USB drivers for iCEman65 and iCEblink40 evaluation kit boards in your system.



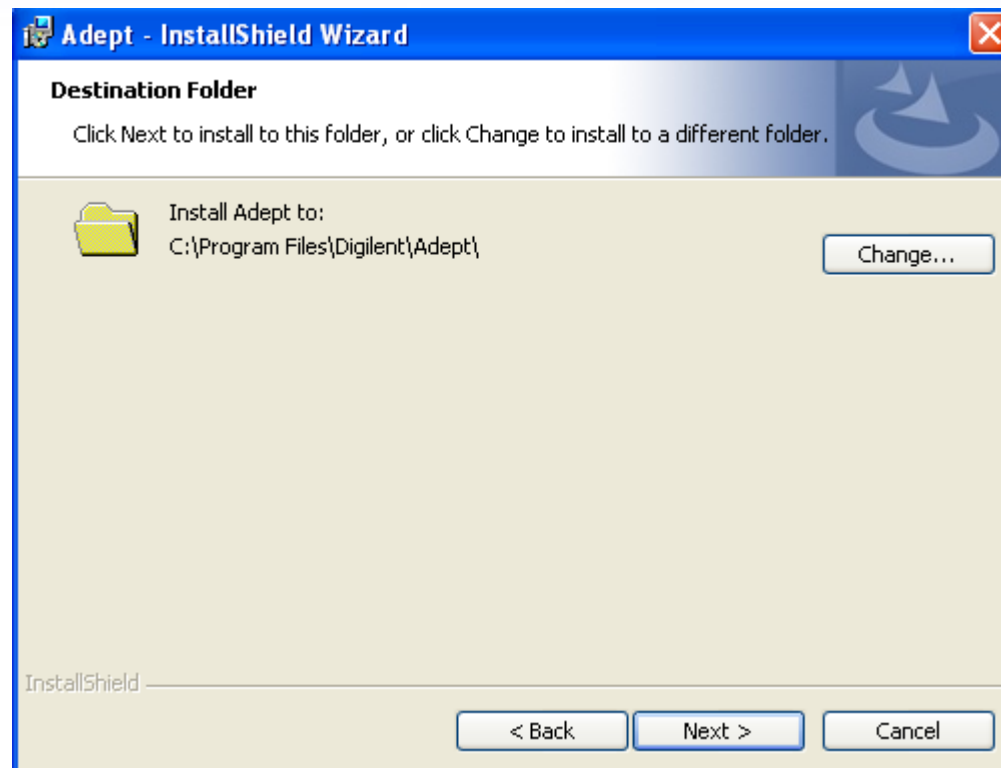
Install Programming Tools

- Accept license agreement and click on “Next”.



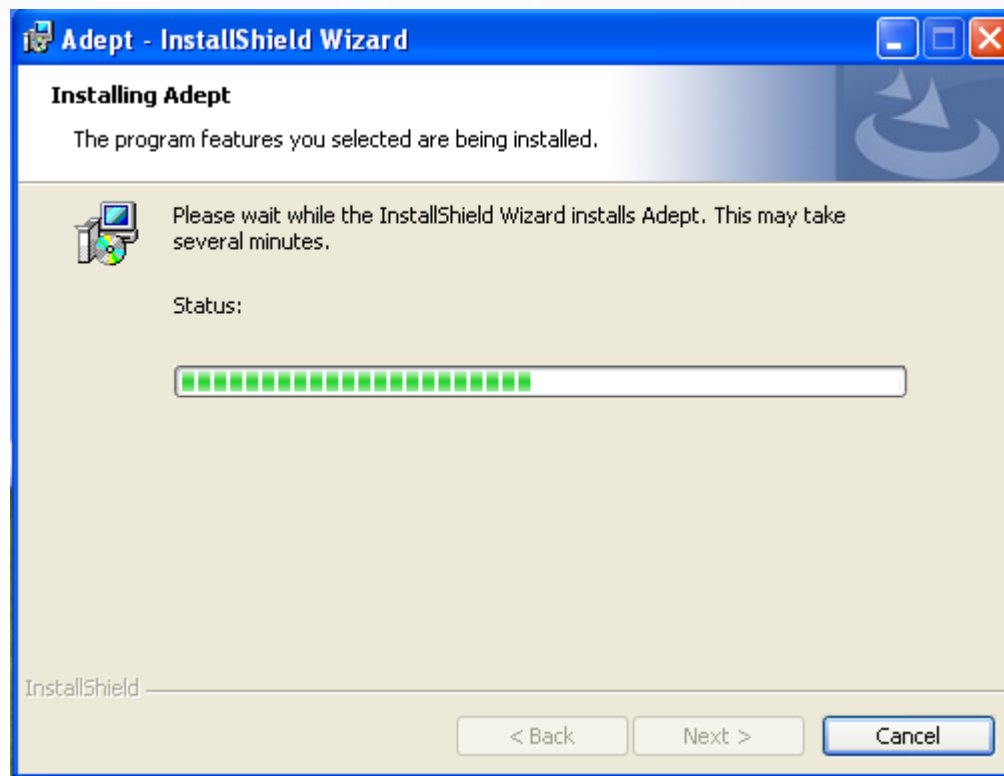
Install Programming Tools

- Select the “Destination Folder” and click on “Next” .



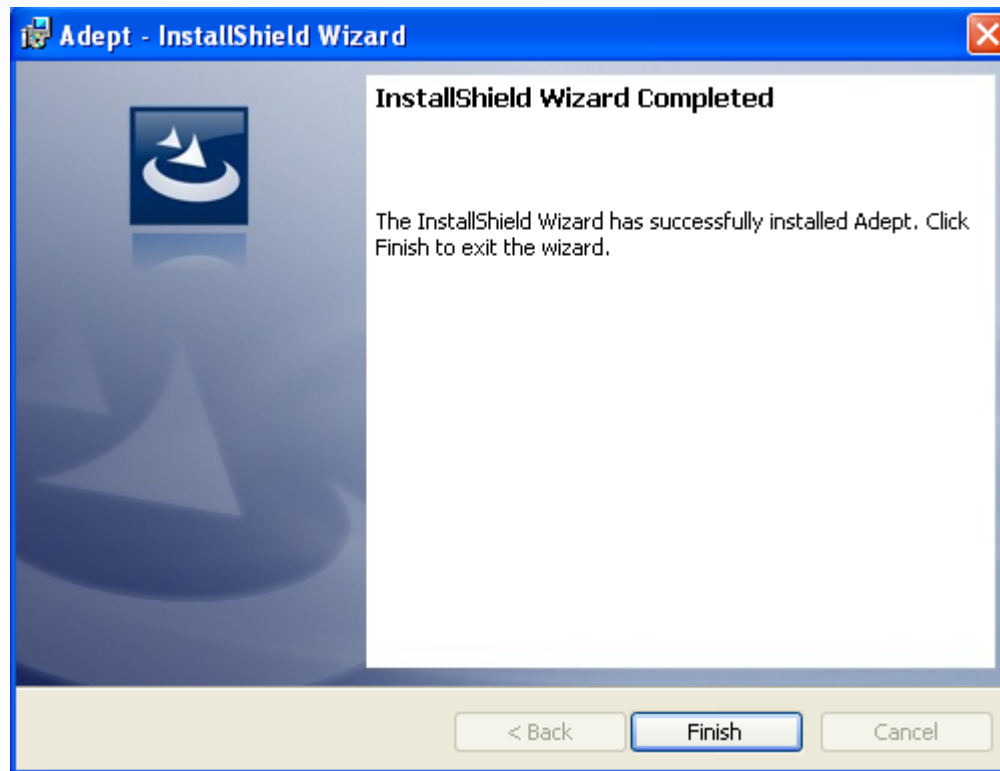
Install Programming Tools

- Install Wizard starts to install Adept.



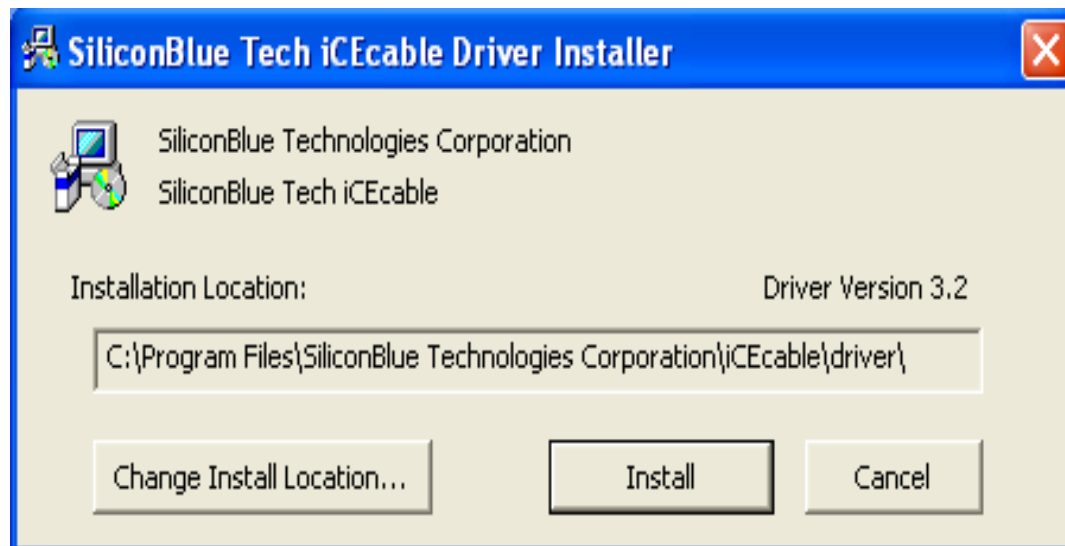
Install Programming Tools

- Installation of Adept completed. Select “Finish” to close the wizard.



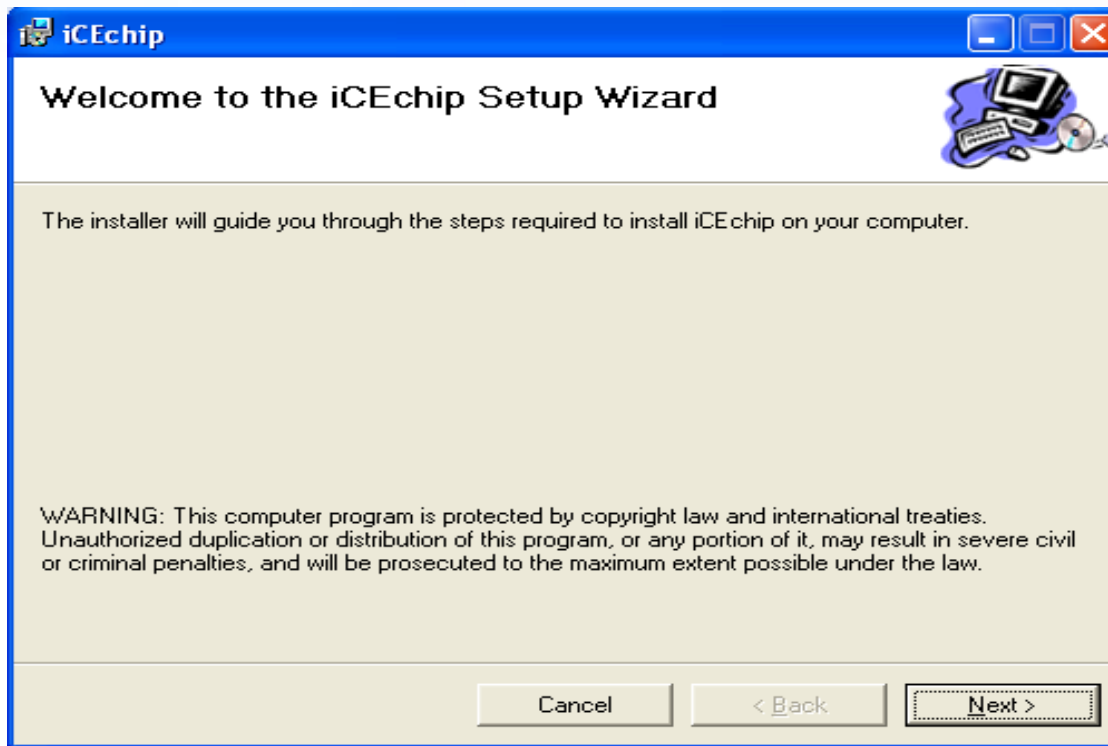
Install Programming Tools

- iCEcable driver is required for programming the boards.
- Click on “Install” to install the iCEcable driver.



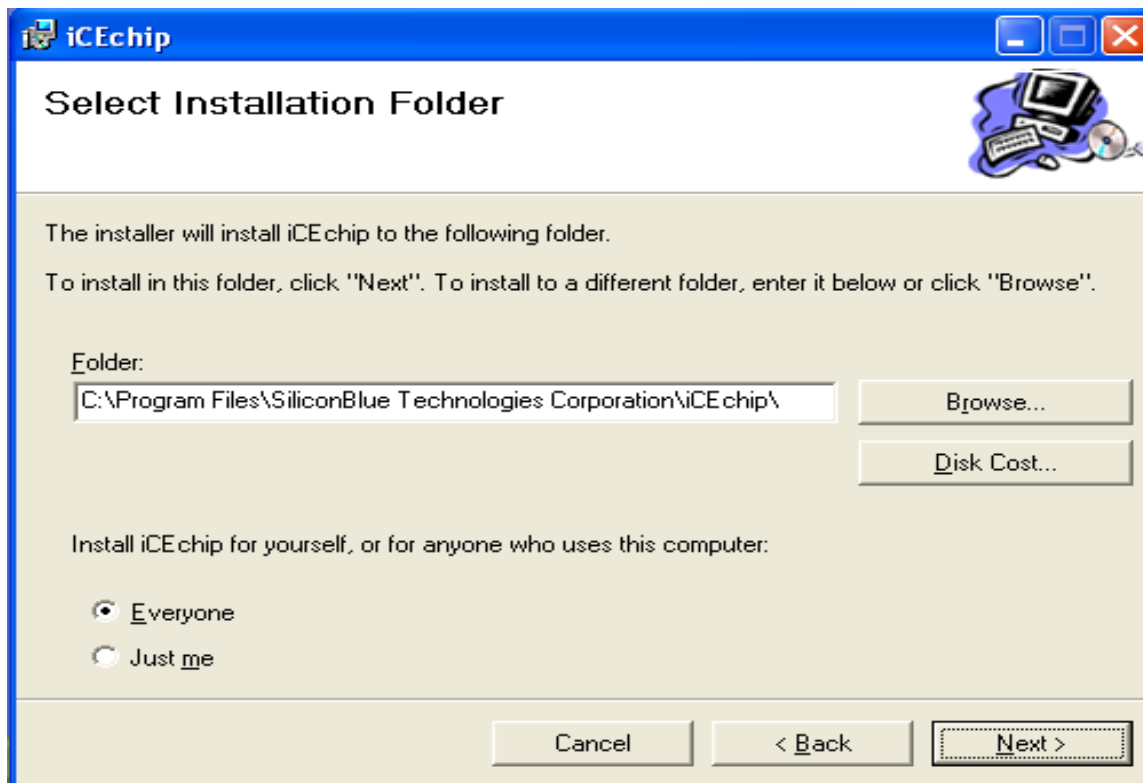
Install Programming Tools

- iCEchip is a software tool to program the NVCM for the FPGA devices.



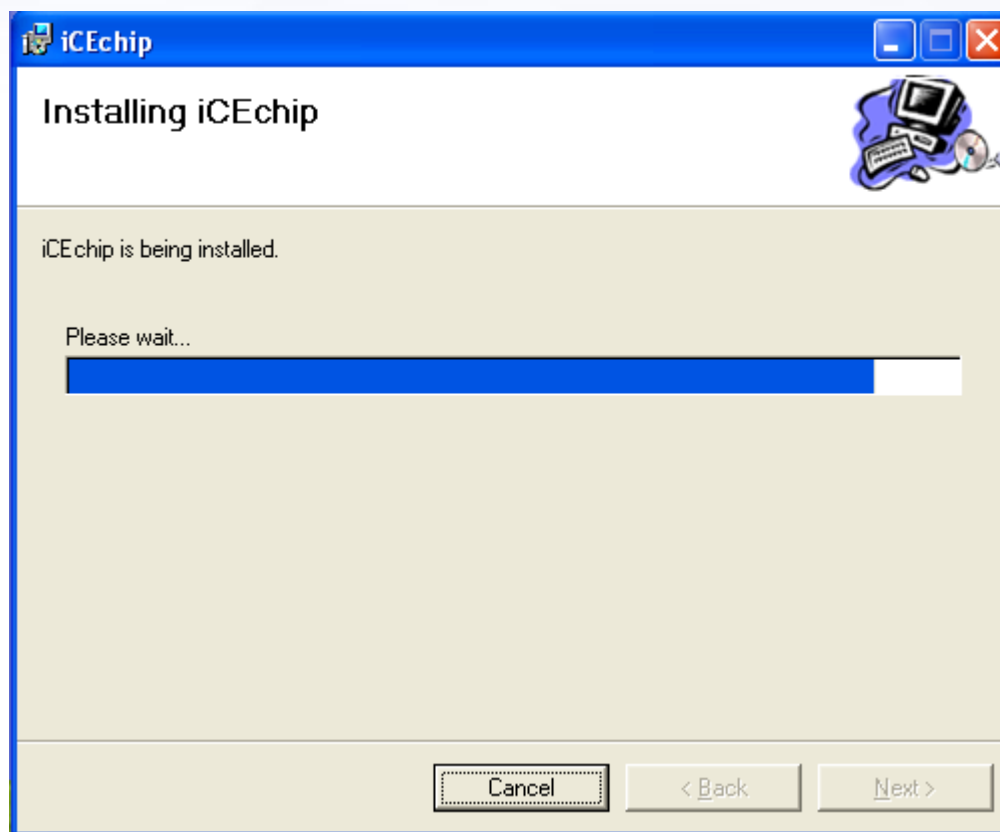
Install Programming Tools

- Select the installation folder and click on “Next” to install iCEchip.




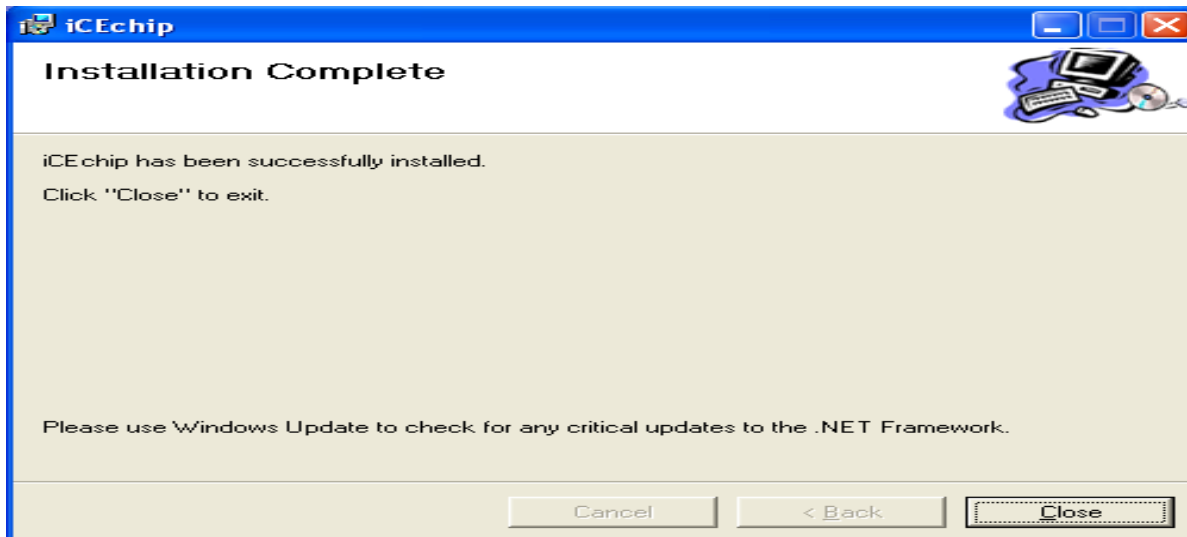
Install Programming Tools

- Setup starts to install iCEchip.



Install Programming Tools

- iCEchip installation completed.
- iCEchip can be invoked by
 - Double click on the desktop Icon 
 - Start -> Programs->iCEchip->icechip



Appendix A:

Nodelocked License Troubleshooting Instructions

- Inspect your License file

```
# Synopsys License file created by CVDKIF 3.4.15.1 on November 03, 2010 at 19:37:29 for
  daemon snpslmd
INCREMENT SSST snpslmd 1.0 03-Nov-2011 uncounted 9D4D749325DED515212C \
  VENDOR_STRING="9770b 34605 049af b5117 cef7c 0b91d 3f511 7cef7 c0b91 d3f" \
  NOTICE="Licensed to SiliconBlue Technologies (OEM) [DO NOT DELETE/MODIFY SSST
OR ANY OTHER KEYS IN THIS FILE]" \
  SN=TK:0:0:0 ISSUER="Synopsys, Inc. [11/3/2010 19:37:30 25569]" \
  HOSTID=0024bec707cd
INCREMENT synplifypro_sbt snpslmd 2010.09 03-nov-2011 uncounted \
  DD54632E7F1872EC0A VENDOR_STRING="^1+S HOSTID=000C2965945E \
  ISSUED=03-nov-2010 ck=61 SN=TK:7978-0:11385:464002
```

Appendix A:

Troubleshooting Instructions

- Verify required network adapter is present
 - Inspect the license file, and make note of the HOSTID string (e.g. HOSTID=000C2965945E)
 - Launch “cmd” console, type “ipconfig /all”
 - Verify that one of the network adapters listed has a physical address that matches HOSTID
- Re-run the installer license setup wizard
 - Navigate to the iCEcube2 installation directory
 - Launch “LicenseSetup.exe” and re-enter the license path and file name

Appendix B:

Linux Installation and Launch

- Registration is required prior to download
- Download iCEcube2 software user guide
- Download and extract software installer
 - `tar xvfz`
`iCEcube2_{release}_linux_{date}.tgz`
`{install_location}/SbtTools`
- Set environment
 - `setenv LM_LICENSE_FILE {port@servername}`
 - `set path {install_location}/SbtTools/`
- Launch the tool using “iCEcube2”

Floating License File

Replace with name of license server

SERVER hostname1 0050455C4EBA 27000 ← port

VENDOR snpslmd /path/to/snpslmd ← Replace with actual path to daemon

USE_SERVER

INCREMENT SSST snpslmd 1.0 18-May-2012 1 9D1E5913867F5D9DEDF8 \
VENDOR_STRING="33e4b d2be8 5cd50 812da cf445 97a59 2412d acf44
597a5 924" \
NOTICE="Licensed to SiliconBlue Technologies (OEM) [DO NOT
DELETE/MODIFY SSST OR ANY OTHER KEYS IN THIS FILE]" \
SN=TK:0:0:315814 ISSUER="Synopsys, Inc. [5/19/2011 16:58:45
25569]"

INCREMENT synplifypro_sbt snpslmd 2010.09 18-may-2012 1 \
VENDOR_STRING="^1+S,sbt ISSUED=19-may-2011 ck=31 \
SN=TK:7978-0:222238:315814 AUTH={ snpslmd=(\
LK=1D6E8963252C864C2026) synplctyd=(LK=8DDE0933D0D31CF904C0 \
SIGN="016B C506 638C 4743 2F5B A059 5054 0B8F 4679 3006 3303 \
6C61 86BE 4D7F BEE3 FAAD 5AFD 2289 5643 3C2E 807C") }

Troubleshooting Instructions

- Verify that the required network adapter is present
 - Inspect the license file, and make note of the HOSTID string (e.g. HOSTID=000C2965945E)
 - Windows
 - Launch “cmd” console, type “ipconfig –all”
 - Linux
 - Type “ifconfig –a”
 - Verify that one of the network adapters listed has a physical address that matches HOSTID

Appendix C:

Install iCEman driver on Vista Home

- There is a bug in the current installer that occurs only in Windows Vista Home
 - Skip the workaround for other OS versions
- Implement workaround before installation by turning off user account control (UAC)
- Change this option using the control panel
 - Method 1: Control Panel Standard View
 - Method 2: Control Panel Classic View

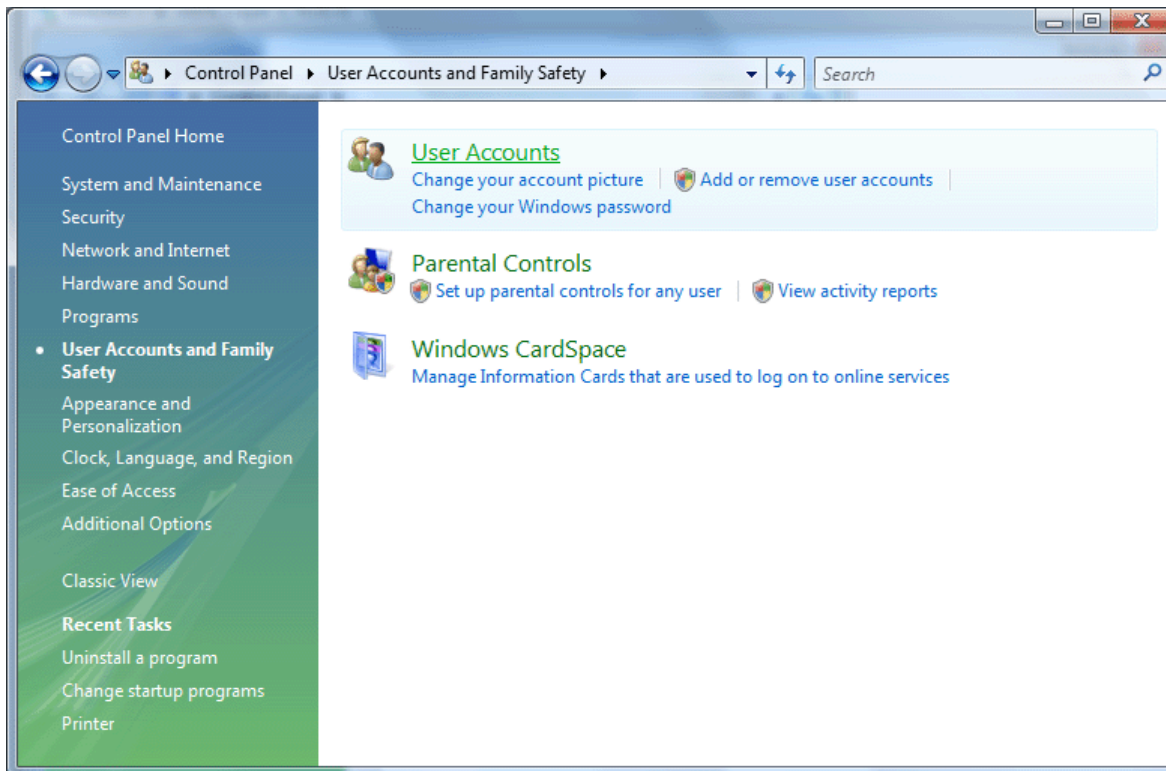
Required Workaround (Windows Vista Home Only)

- Standard View, step 1 of 4: Click “User Accounts and Family Safety.”



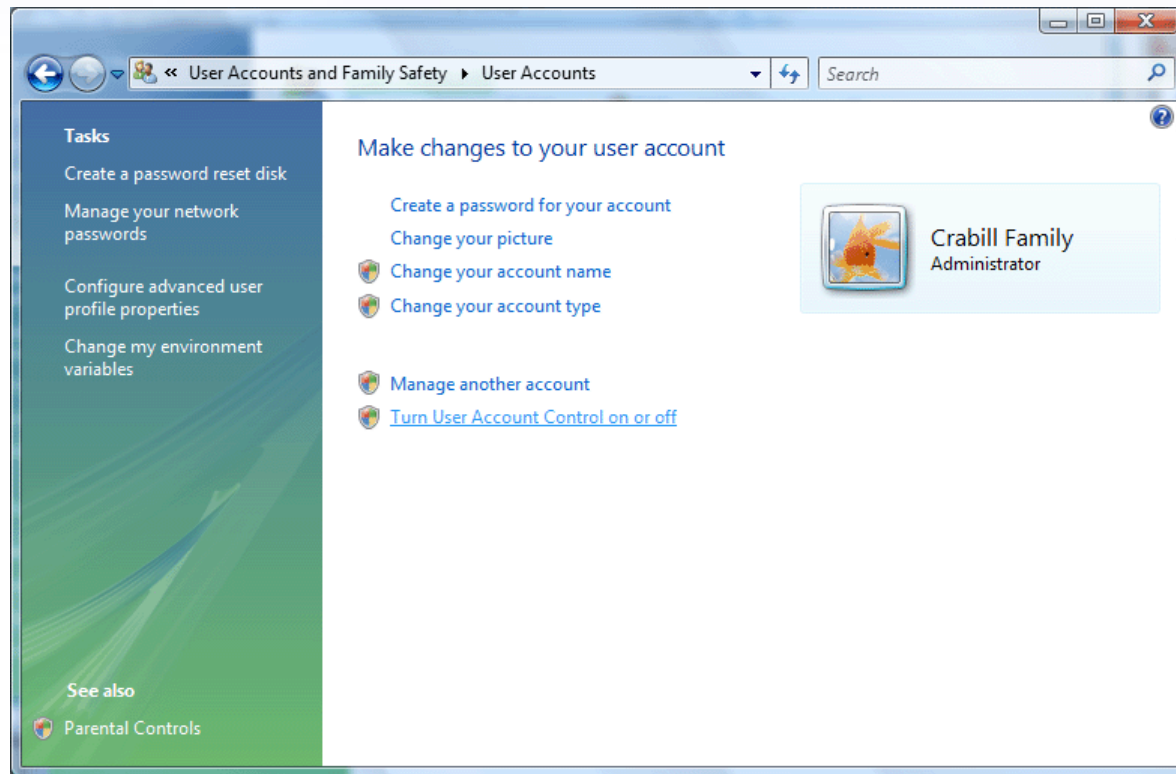
Required Workaround (Windows Vista Home Only)

- Standard View, step 2 of 4: Click “User Accounts”



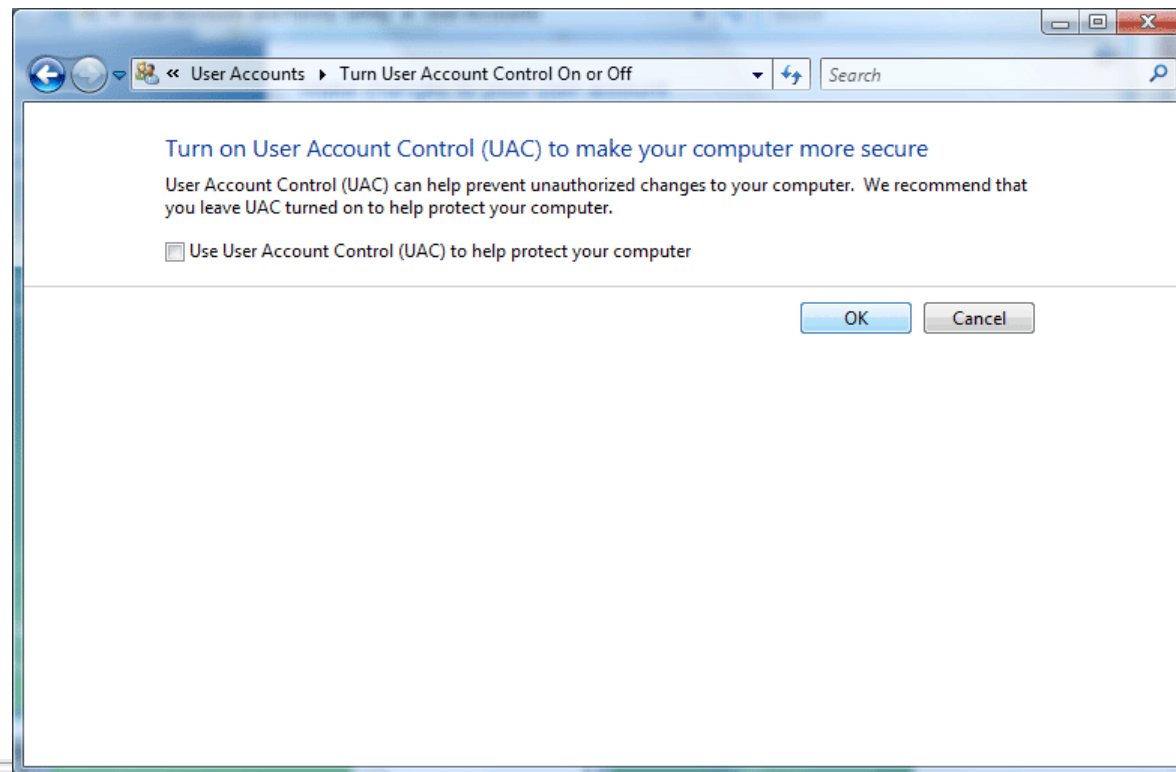
Required Workaround (Windows Vista Home Only)

- Standard View, step 3 of 4: Click “Turn User Account Control on or off”



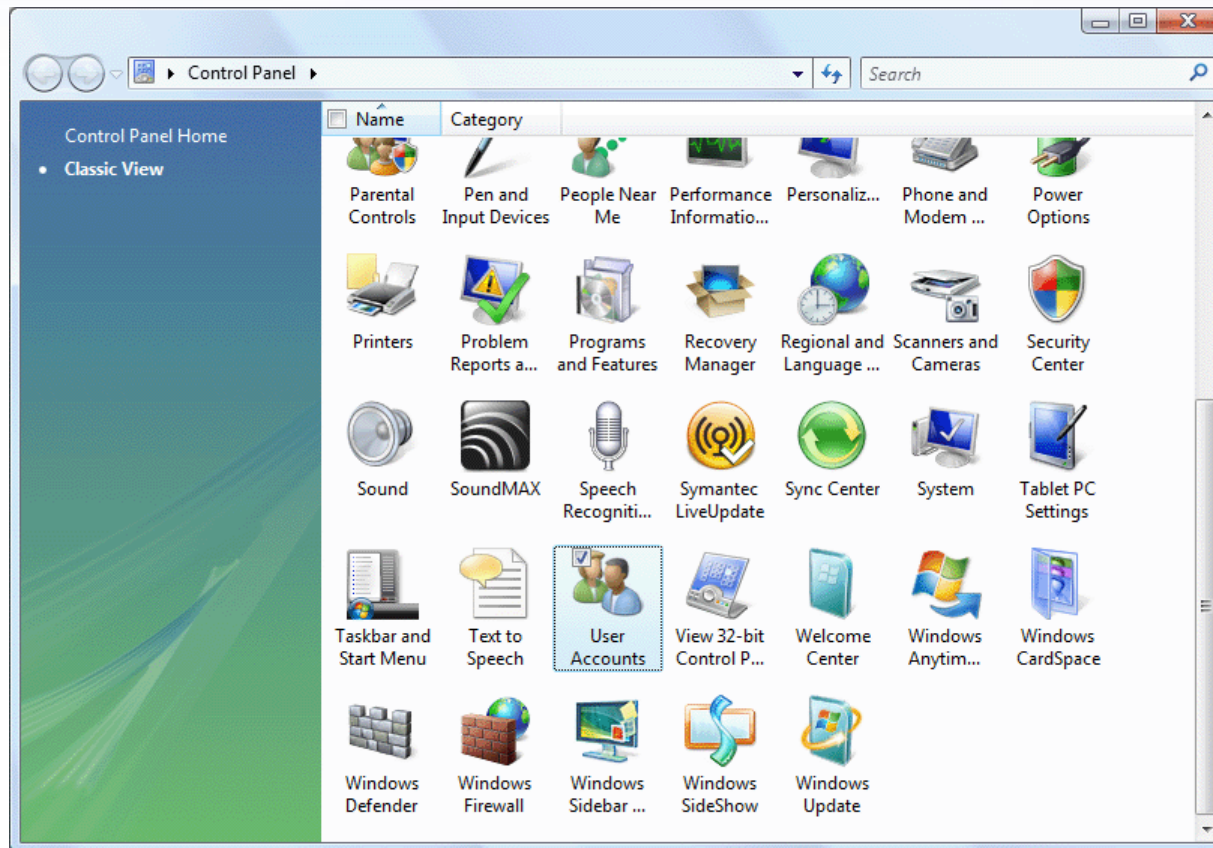
Required Workaround (Windows Vista Home Only)

- Standard View, step 4 of 4: Uncheck “Use User Account Control” if checked, click OK



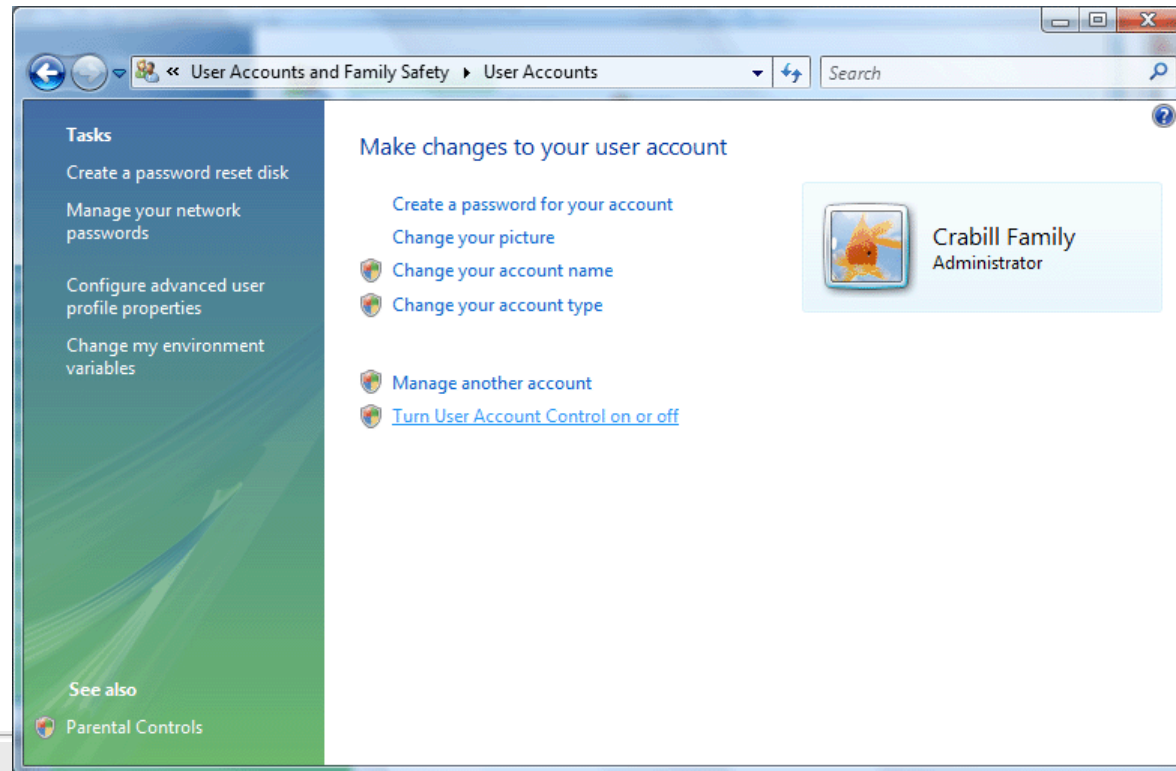
Required Workaround (Windows Vista Home Only)

- Classic View, step 1 of 3: Click “User Accounts”



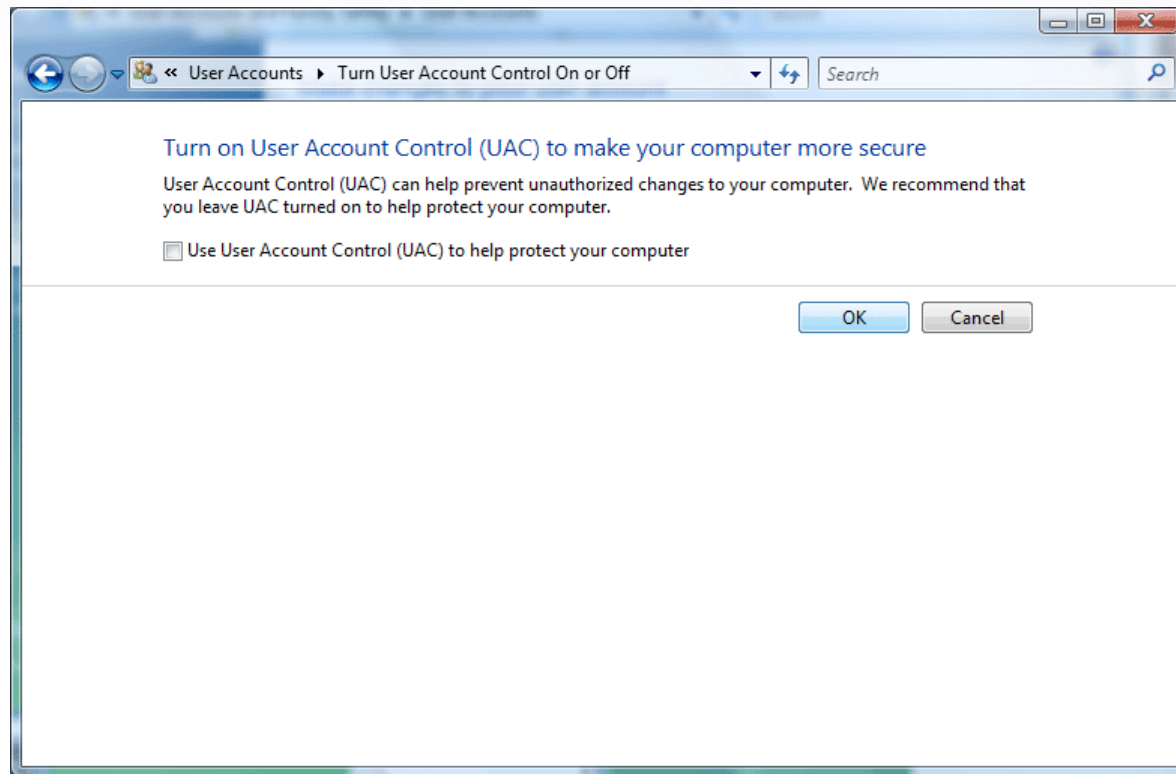
Required Workaround (Windows Vista Home Only)

- Classic View, step 2 of 3: Click “Turn User Account Control on or off”



Required Workaround (Windows Vista Home Only)

- Classic View, step 3 of 3: Uncheck “Use User Account Control” if checked, click OK



Required Workaround (Windows Vista Home Only)

- Windows Security Center may issue warnings once UAC is turned off
- If desired, turn UAC on after installation