Procedures for Libero IDE installation and setup in environments that do not maintain an Internet connection

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Overview

Libero software is designed to automatically provide users access to the latest software and documentation available via the Internet. User-selectable options enable the software to automatically notify you and/or update the software when new releases, service packs and IP cores are available.

If you prefer to disconnect from the Internet while using Libero you are encouraged to re-connect occasionally and manually **Check for SW Updates** and **Download New IP Cores** to take advantage of new features, enhancements and fixes.

If you cannot access the Internet, skip to the last section in this document: <u>Installing Libero onto a machine</u> <u>with no Internet access</u>.

Initial Installation

Install the latest Libero release

An Internet connection is recommended for initial setup.

Follow the instructions below to install and set-up the software before disconnecting from the Internet. When finished, Libero will operate successfully without an Internet connection. However, many documents and user guides are available only from our website at: <u>Libero IDE Documents</u>. Without an Internet connection some hyperlinks in Libero software will be inaccessible.

If possible, connect to the Internet once a month to install new releases, available service packs and download new IP Cores to take advantage of new features, enhancements and fixes.

Libero is available for download from <u>www.microsemi.com</u>.

- 1. Download and install <u>Libero</u> software from the Microsemi website. Libero can be installed on individual machines or in a central network location.
- (Optional) Libero installation includes the latest versions available of the tools listed below. New versions may be released stand-alone. If you require a new version not included with your Libero installation, you can download and install the new stand-alone release:
 <u>Synplify Pro ME</u>
 <u>Synphony Model Compiler ME</u>
 Identify ME

FlashPro

Request and install your license

3. <u>Request a Libero License</u>

Your Libero license.dat file is delivered via email.

4. Install your license following the instructions in the email.

Install the latest service pack

5. Invoke Libero



6. To download and install the latest service pack if available:

a. Select Help > Check For Software Updates. If a Service Pack is available the following dialog appears:

	Microsemi Corporation A New Libero IDE v9.2 Service Pack is Available	
This Se	rvice Pack installation is strongly recommended for all Libero IDE v9.2 users!	
Libero II site.	DE service packs and major releases are available for download from our web	
Click Oł Instructi	S to connect to www.actel.com to review the Release Notes and Installation ions.	
		~

b. Click **OK** to connect to the Microsemi website and download the service pack. After the service pack is installed, proceed to Download Cores.

Optional: Changing your vault location

Microsemi IP Cores are stored in a folder named vault. Typically, the creation and management of this folder is handled automatically by Libero and transparent to the user. During Libero installation the vault folder location will be set to a default or user-defined path. If a pre-existing vault folder is found, it will be selected.

If you are installing Libero onto a network drive for multi-user access, you may want to specify a vault location that will be shared by all users.

- 7. Launch Libero
- 8. Go to View > Windows and Toolbars > Catalog Display Options.
- 9. Select Vault location.

S Options	
 Vault/Repositories Settings Vault location Veault location View Settings Display Filters 	Current vault location: C:\Actel\vault
Help	OK Cancel

- 10. Modify the vault path to the new location, e.g. C:\Microsemi\Vault_v9.2
- 11. Click OK.

Disable Internet Options

12. Turn off Automatic Software updates and IP update through Libero > Project > Preferences, as shown in the figure below:

Preferences	X
Updates Proxy Startup Log Text Editor Advanced	
Automatic Software Updates	
C Automatically check for updates at startup	
<u> </u>	
Do not check for updates or remind me at startup	
check for available updates at startup. To manually check for updates, from the Help menu, choose Check for Software Updates. This feature requires an Internet connection.	
C Automatic: Automatically download and install cores	
Standard: Check for updates at startup	
Manual: Do not remind me at startup	
OK Cancel Help	

Download Direct Cores

When an Internet connection is maintained, Cores required for your Libero project are automatically downloaded into your vault as needed. If you plan to disconnect from the Internet, you need to populate your vault after initial installation and before disconnecting from the Internet. To do this:

13. Launch Libero and click **Download now**, as shown in the figure below:

Project Manager		
Project File Edit View Tools Win	rdow Help	
	A R P P A K Current Designer view	
Design Explorer a 🗸 🛪		Catalog 📮 – 🗙
Show: Components		Q + @ +
,		Name Aversion
		Arithmetic
		Basic Blocks
		Bus Interfaces Clock & Management
		DSP Evelop Basisher als
		± I/0
		Memory & Controllers Perinberals
		Power Management
		Processors
		No core selected
	X My Modules * C Previous S Next S Find My Or	No core sectore
	× Libero Project Manager	
	Version: 9.2.0.7	
	Release: V9.2	
	1 Info: To begin, from the Project menu, select Open Project or	
		New cores are Download now!
		available
E Hierarchy 🗈 Files	8 I → All (Errors) Warnings) Info) Search Results 1	Cores Templates Bus Definitions
Ready		TYPE FAM DIE PKG

This download procedure may take several minutes depending on your internet speed. The downloading details are displayed in the log window, and the completion percentage is updated in the progress bar.

S Project Manager	
Project Eile Edit View Iools Window Help	
🛯 📾 🕄 🗋 🔐 🖶 🕹 😂 😫 🖉 🕮 Current Designer view. 🔽 🛃 🏙 🟙 🟙 🖬	
Design Explorer 🛛 🖉 👻	L Catalog ₽ - ×
Show: Components	Name Version B. Arithmetic B. Basic Blocks B. Dus Interfaces B. Clock & Monagement DSP Homory & Controllers Perpiherals Power Management B. Processors
Modules Previous S Next P Find	OF No core selected
Downloading Actel:DirectCore:COREPCIF:3.6.110 OK Downloading Actel:DirectCore:CoreAhbNvm:1.4.110 OK Downloading Actel:DirectCore:CORE1553BRT_APB:3.2.122	
dem	42% Stop downloads
Latinerarchy warries All ∧ Errors ∧ Warnings ∧ Info ∧ Search Results 1 /	Gores Templates Bus Definitions
Downloading core 22 of 38 - Please Wait	TYPE FAM DIE PKG

After downloading finishes, the **Download now** button disappears and **Ready** appears.

After the initial setup is completed using the steps above, an Internet connection is no longer required for Libero operation. However, most documentation and user guides are available only from our <u>website</u>. Note that without an Internet connection, some hyperlinks in Libero log windows will be inaccessible.

Installing Future Service Packs and Updating Cores to New Versions

Install latest service pack

Internet access is required to download Libero Service Packs. You should occasionally establish an Internet connection and check for Software Updates that may be available for your version.

- 1. Connect to Internet.
- 2. Run Libero > Help > Check For Software Updates.

If a Service Pack is available, the following message appears:

Uŗ	odate	×
	Microsemi Corporation A New Libero IDE v9.2 Service Pack is Available This Service Pack installation is strongly recommended for all Libero IDE v9.2 users! Libero IDE service packs and major releases are available for download from our web site.	
	Click DK to connect to www.actel.com to review the Release Notes and Installation Instructions.	
	Cancel	

Click OK to connect to the Microsemi website, read the release notes and download the service pack.

Download new and updated Direct Cores

You should occasionally establish an Internet connection and download the latest Cores. Invoke Libero and follow the instruction above in the section titled <u>Download Direct Cores</u> before disconnecting from the Internet.

Installing Libero onto a machine with no Internet Access.

Contact <u>Microsemi FPGA & SoC Technical Support</u> and request the following be placed onto a DVD and shipped to your location. You will likely need to speak with a representative to provide the details necessary for license generation.

- The Libero release you require, including the latest service pack
- Any new releases of stand-alone tools
- Your machine OS
- A Libero license
- A complete set of Direct Cores
- A complete set of Libero User Guides



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