



TRILLIUM®

Product Installation Guide

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Product Installation Guide

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1 PRODUCT DELIVERABLES

The shipment that you receive from Trillium contains the following product deliverables:

1. CD-ROM
2. Product binder

Note: *Depending on the size of the documents, you may receive one or more binder(s).*

1.1 CD-ROM Contents

The CD-ROM contains all the product files. It contains the software and the documentation you need to set up your Trillium product.

Trillium software consists of source (.c, .x, and .h) and make files (.mak) that can be used to generate the object code for your specific software product. The set of product files are distributed among the sub-directories shown in Figure 1-1.

Note: *The contents of this document take precedence over the contents of the Portation Guide.*

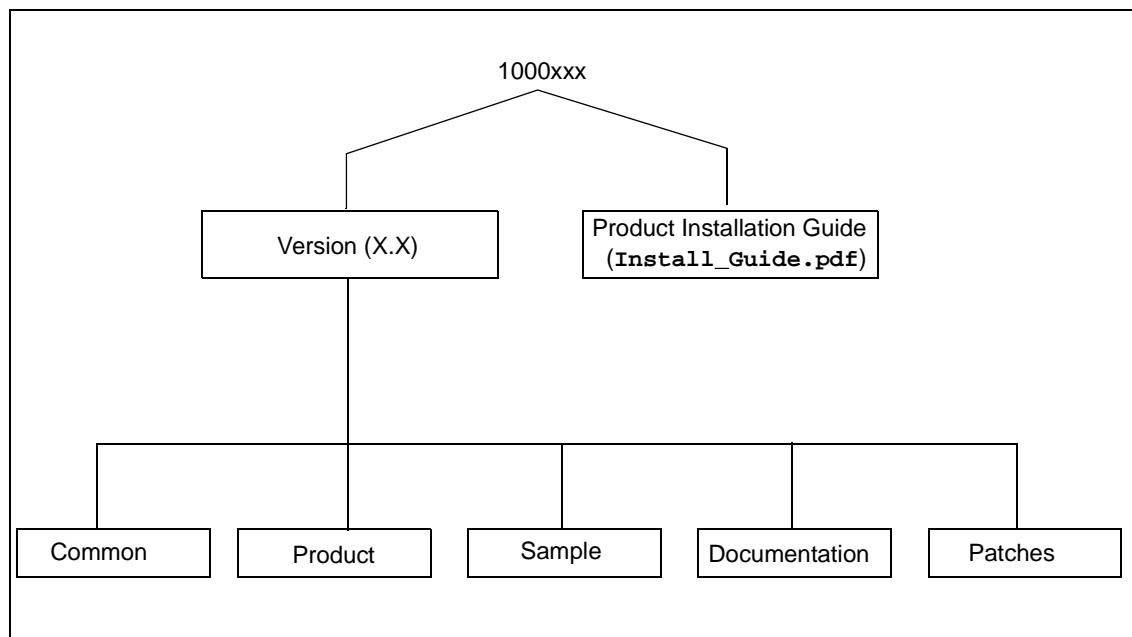


Figure 1-1: Directory structure on CD-ROM

In Figure 1-1,

Item	Description
1000xxx	Part number of the product on the CD-ROM
Installation Guide	This document. Available as <code>install_guide.pdf</code> on the CD-ROM.
Version X.X	Version number of the product on the CD-ROM
Common	Contains the common files used by the Trillium product. Common files are shared by multiple Trillium products. Refer to the <i>Portation Guide</i> for details.
Product	Contains the files specific to the Trillium product. Refer to the <i>Portation Guide</i> for details.
Sample	Contains the sample files provided with your Trillium product. These files include sample stack manager files and product acceptance test files. Sample files for dummy layers interfacing with the product are also provided. They are used to test product behavior in acceptance tests. Refer to the <i>Portation Guide</i> for details.
Documentation	Contains: <ul style="list-style-type: none">• All the product documentation files in the PDF format• For some older products, the documents are also available in the FrameMaker format• Forms: Software Problem Report and Document Feedback forms Refer to the Cover Letter for details.
Patches	Contains patches generated since the release of the product. Refer to the <i>Technical Support</i> tab in this binder for details on how to apply the patches to the product distribution.

Note: The product, common, and sample directories contain the originally released files for the product. The patches in the patch directory have not been applied to any of these files.

1.2 Product Binder Contents

The binder you receive as part of your product shipment contains a number of sections subdivided by tabs. The following sections contain documents and information that describe how the software functions and how to use it in your environment:

Tab	Description
Product Installation Guide	Introduces the product and the material shipped to you. This section offers initial information on setting up and getting started with your Trillium product. We recommend that you familiarize yourself with this section.
Functional Specification	Contains the features and highlights that describe the protocol and system characteristics. It includes the memory characteristics and conformance details.
Service Definition	Describes the overall product architecture, environment, and TAPA™ architecture. This document also contains interface API information as well as a complete description of management API and stack organization. Data and procedures used to pass information between the software and other software elements are covered in this document. These elements include the upper layer, lower layer, system services, and layer management. The Interface Primitives section describes the services of the software. The Procedures section describes and illustrates the flow of primitives and messages across the interfaces.
System Services Interface	Describes the System Services Interface (SSI) that provides the operating system functions required by the Trillium product. The SSI is the same for each product. The <i>System Services Interface Service Definition</i> describes all the functions defined at the system services interface. Not all functions defined in the <i>System Services Interface Service Definition</i> are used by a product. The list of functions required by this product are specified in the <i>Service Definition</i> for your Trillium product.
Interface Service Definition	Depending on the need of your specific Trillium product, the binder you receive has zero or more Interface Service Definition tabs. This section is optionally included if some external interfaces (as described in the <i>Service Definition</i>) are documented in separate <i>Interface Service Definition</i> documents for ease of sharing among multiple products that use the same interface definition. This document provides a detailed overview of the internal lower/upper layer primitives for the appropriate interface with your Trillium product. The Interface Primitives section describes the services of the software.
Portation Guide	Describes the files and procedures necessary to port the software to the operating system into a specific processor family and system architecture. It lists the product, common, and sample files associated with the software.

Tab	Description
Software Test Sample	Describes the sample files delivered with the product and the procedures to build a sample test. This test demonstrates the product initialization, configuration, and execution. A software test sample describes the software testing environment at Trillium, and the functions of various sample files used in the tests.
Training Course	Contains information on setting up and arranging your training sessions. The <i>Training Course</i> offers a detailed overview of the features and interfaces of the software. It contains code samples, data flow diagrams, and a list of files. The document contains information used by Trillium instructors during your training sessions.
Technical Support	Describes the warranty, maintenance, and technical support available for the software product. It also describes the software problem report and patch procedures. This section includes the Patch Application Process FAQ.
Background	Contains a brochure describing Trillium's business, history, and product lines
Quality Plan	Contains Trillium's <i>Quality Plan</i> , a document describing our corporate commitment, the goals leading to it, and the way we measure our progress
Release Notes	Contains the release notes for the delivered software product. The <i>Release Notes</i> describes the file names, sizes, dates, and times for the delivered software. It also contains a list of changes that have occurred in the software since the previous release. Any product updates and product upgrades published by Trillium will be based on the files indicated in the <i>Release Notes</i> .
Registration	Contains the registration information for the delivered software product. The <i>Registration Form</i> describes the contact name and address, product, designated equipment, and maintenance service dates for the delivered software. Any technical bulletins, product updates, and product upgrades published by Trillium will be sent to the contact name and address listed here.
Other	If necessary, additional information specific to your Trillium product will be included under this tab

2 GETTING STARTED

Now that you have your Trillium product, the next steps are installing the software and familiarizing yourself with it.

2.1 Pre-installation Checks

Before installing your Trillium product, we recommend the following:

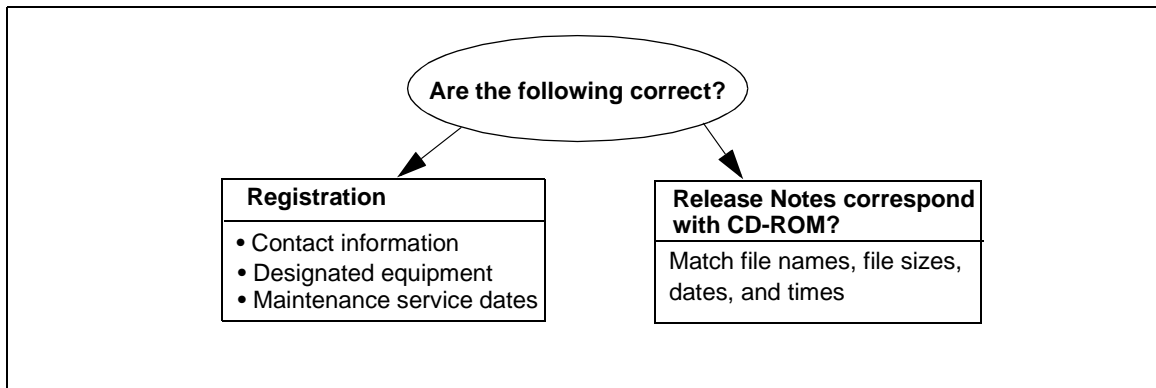


Figure 2-1: Pre-installation checks

1. Review the information in the Registration tab and ensure it is accurate. Is the contact name and address correct? Any product updates and product upgrades published by Trillium will be sent to the contact name and address listed here. In particular, the e-mail address is used frequently for communication and must be accurate.
2. Is the designated equipment correct? The designated equipment is specified in the License Agreement and limits the machines to which this software may be ported.
3. Are the maintenance service dates correct? Maintenance service provided by Trillium is specified in the License Agreement.

Note: *Remember that the software you have received is confidential and proprietary to Trillium. Do not reproduce, duplicate, copy, or disclose any software or documentation you have received except as specified in the License Agreement.*

4. Review the *Release Notes* section. Do the *Release Notes* (file names, sizes, dates, and times) agree with the CD-ROM? Any product updates and product upgrades published by Trillium will be based on the files indicated on the media listing. If there are any discrepancies, contact Trillium Technical Support. The first page of this binder contains contact information.

2.2 Pre-training Checks

Prior to the date of the training session, we recommend you review the following documents:

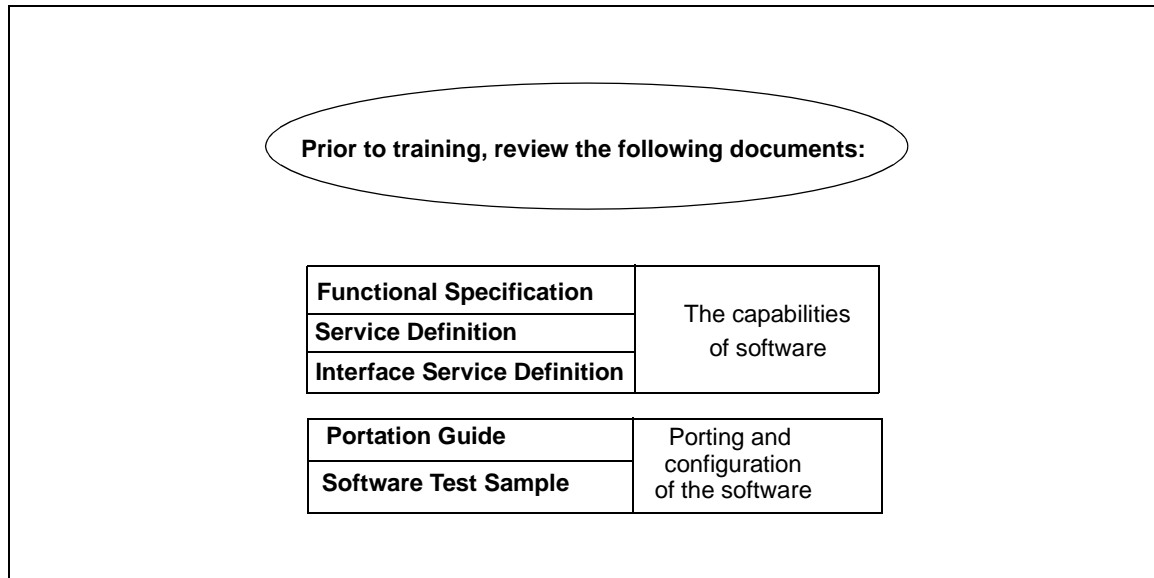


Figure 2-2: Pre-training checks

1. Review the *Functional Specification*, *Service Definition*, and *Interface Service Definition* for an understanding of the capabilities of the software product.
2. Review the *Portation Guide* for information on using and porting the software product. Also review the *Software Test Sample* for information that will help you in understanding how to use and configure the software.
3. Review the training section and arrange for your training session after you have gained sufficient understanding of the product documentation. Trillium provides a training session on each software product according to the terms of the License Agreement. Training sessions will consist of a fixed number of hours dedicated to a review of the software organization and usage. The structure of the training sessions may be changed to meet your specific needs.

Training sessions are presented at Trillium headquarters in Los Angeles, California. Training sessions can also be presented, if required, at other locations for an additional fee, as specified in the License Agreement.

If you have questions at any time, feel free to contact us. Our responsibility to you does not end when you receive this product, it is only just beginning.

3 PRODUCT INSTALLATION

To install the software, follow these steps:

1. Verify that the file sizes and versions agree with the media listings supplied in the *Release Notes*. Any technical bulletins, product updates, or product upgrades published by Trillium are based on the files indicated in the *Release Notes*.

Note: *Release Notes take precedence over all other Trillium documentation. If there are any discrepancies, contact Trillium Technical Support.*

2. Save all the files provided in the product distribution in a safe area to prevent loss of files.
3. Copy the files from the CD-ROM into the directory structure that you have created.

The files on the CD-ROM can be copied using the copy command on your specific system into any directory structure that you would like to use. One of the recommended approaches is to use the structure depicted in Figure 1-1.

4. If you have multiple Trillium products that are used together, create a single **Common** directory for all the Trillium products on your development platform. Copy the files from the **Common** directory of each product into this directory as follows:
 - If the file does not exist in the **Common** directory on your platform, copy it from the **Common** directory on the product CD-ROM
 - If the files already exists, compare the version number of the file on your platform **Common** directory to the file on the product CD-ROM **Common** directory. Copy the file from the CD-ROM **Common** directory into the platform **Common** directory, only if the file version is more recent, that is, greater than the version of the file in the platform **Common** directory.
 - The file version can be viewed by opening the file with any text editor program.
5. Ensure ownership privileges, if applicable, for the following files:

File Extension	Privileges
*.h	Read, write
*.x	Read, write
*.c	Read, write
*.mak	Read, write, execute
*.asc	Read

All files can be examined and modified with any ASCII text editor (such as brief, emacs, or vi). The 10930xx.asc file is the *Portation Guide* in ASCII format. The 10160xx.asc file is the *Release Notes* in ASCII format.

6. Apply, the patches if any, supplied in the product shipment to the product files as described in the Technical Support tab.
7. The product `makefiles` may have to be modified to reflect the directory structure that you have created. Sections in the *Portation Guide* provide additional information on the product files and their usage.