



Symantec C++ for Macintosh



Write and Run Code Faster

Guide to Symantec C++ CD

Includes Symantec Cafe 1.5 !!



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What's New 1

This is the latest version of the Symantec C++ for Macintosh, Symantec's solution for Macintosh developers. This product helps you maintain the leading edge technology you need to create Macintosh applications.

Highlights

This section highlights the features of Symantec's C++ 8.6 for Macintosh. See the *Symantec C++ User's Guide and Reference* for general product features.

Symantec Cafe for Macintosh

Symantec Cafe is the first Macintosh development environment that uses the standard Sun Java virtual machine and compiler to let you quickly produce Java. Cafe integrates Sun's Java Development Kit (JDK 1.02, which also included on this CD) into Symantec's award-winning environment giving you the easy-to-use Java language in a highly productive development system. See the documentation in the Documentation/Cafe 1.5 Documentation folder for more information.

Integrated PowerPC and 68K Support

The Symantec Project Manager provides a unified environment for PowerPC and 68K application development. A single project can be configured to target both architectures using named sets of project and translator options. See the *Symantec C++ User's Guide and Reference* and the *Guide to 68K Compilers* for details on developing 68K applications.

Installer Utility

You can choose to have various configurations and components of Symantec C++ for Macintosh automatically installed on your computer. You can select Easy Install to install the complete Symantec C++ development system including PowerPC and 68K

tools, THINK Reference, ToolServer, Cafe 1.5 and many demo projects. The Custom Install feature lets you select specific components. Naturally, you still have the option of manually installing the tools.

Compilers

68K C and C++ Compilers

These compilers let you create 68K applications from the Symantec C++ for Macintosh development environment. For more information about these compilers, see the *Guide to 68K Compilers*.

MrC and MrC++ Compilers

These compilers give you the advantage of using the Symantec development environment and the excellent code generation of the MrC compilers. For more information about these compilers, see the *Symantec C++ Compiler Guide*.

LS Object Pascal

This third party compiler is included in this release of Symantec C++ for Macintosh. Although it has undergone only limited testing, it is provided for those users who require a Pascal solution. See the *LS Object Pascal* document in the **Language System Pascal** folder.

SPM/TPM Rez

Apple's MPW Rez compiler is now hosted under both the Symantec Project Manager and the THINK Project Manager, providing you with a blazingly fast resource compiler that compiles all types of resources, from the most basic to the most complex. See the *Symantec C++ Compiler Guide* for more information.

PowerPC Assembler

The MPW PowerPC Assembler is now hosted in the Symantec Project Manager. The PowerPC Assembler is ideal for those power developers who want to squeeze those last few cycles out of critical code. MPW conformance is maintained while realizing all the benefits of the Symantec Project Manager's editor and build management facilities. For more information, see the PowerPC Asm documentation in the **Apple Software** folder and the *Symantec C++ Compiler Guide*.



Exception Handling and RTTI

These new capabilities include:

- Full native, zero run-time overhead ANSI C++ exception handling
- Full ANSI C++ RTTI including `dynamic_cast<>` syntax

The exception handling implementation has zero cost if no exception is thrown. The cost of throwing an exception is higher because it needs to perform additional bookkeeping in order to determine which objects need to be destroyed.

Editor

The Symantec Editor's features include:

- Drag and drop text editing (user can activate or deactivate)
- Proper opening of files with Unix, DOS, or Macintosh line termination
- Syntax coloring and automatic markers for Java (`.java`) and PowerPC Assembler (`.s`) files

Debugger

Deferred generation of debugging information

The Symantec Project Manager allows you to defer the generation of debugging information. Using this feature on files that you seldom debug can result in significant disk usage savings, and some compile time savings as well. See the *About Deferred Debugging* document in the **Release Notes** folder for additional information.

Propagate exceptions

A new debugger menu item, **Propagate Exception**, lets you debug applications that install custom exception handlers. See the *Symantec C++ User's Guide and Reference* for details.

Revision Control

Many enhancements have been made to the Revision control features of Symantec C++ for Macintosh. See the "Revision Menu" chapter in the *Symantec C++ User's Guide and Reference* for details.

Visual Architect

This new version of the Visual Architect contains many bug fixes and incorporates user feedback to present a cleaner, more streamlined user interface. For details on VA's new features and bug fixes, see the *VA Release Notes* in the **Release Notes** folder in the **Latest Symantec Tools** folder. For general information on VA, see the *Symantec C++ User's Guide and Reference*. If you are new to Visual Architect, try the interactive **Beeper** tutorial, which is accessible from the **Guide** menu when the Symantec Project Manager is running.

Demos and Goodies

Symantec C++ 8.6 for Macintosh includes a selection of tools developed by the Symantec Tech Support team in response to users' suggestions, public domain applications, and other useful items.

Interactive Tutorials

This version of Symantec C++ for Macintosh contains a set of highly interactive tutorials for use on Power Macintosh that guide you through the fundamental steps of using the Symantec development environment. Four tutorials, *Hello World*, *MiniEdit*, *Object Bullseye*, and *Beeper*, are provided as Apple Guides and are accessible from the **Guide** menu when the Symantec Project Manager is running. In addition, there is a *Shortcuts & Tips* guide that is also accessible from the **Guide** menu that provides useful information when using the Symantec Project Manager.

Online Documentation

All of the documentation supporting this edition of Symantec C++ for Macintosh has been updated to reflect the changes in this edition. The documentation is included on the CD as either pdf files, which are viewable through the Adobe Acrobat™ Reader (included on the CD), or text-only documents, which are viewable through SimpleText or the Symantec Project Manager.

Prerequisites for Using Symantec C++

See the Symantec C++ for Power Macintosh Compiler Guide for information on learning C and C++.

The documentation that accompanies Symantec C++ assumes that you know, or are learning how to program in, C or C++. You should also be familiar with the Macintosh and its operating system. If you are planning to write Macintosh applications, you should be familiar with the Macintosh Toolbox as described in *Inside Macintosh*.

About this Document

This online document is your roadmap to the Symantec C++ for Macintosh CD. It provides introductory information about the tools, and gives you a close-up view of what's on the CD.

Using the CD

Read the license agreement

Before installing the contents of this CD, you should read the license agreement.

Read the Release Notes and ReadMe files

Make sure to read any Release Notes and ReadMe files. These files contain important information about their corresponding components.

1 What's New

Installation

Depending on your system configuration and needs, you may choose to install a particular configuration of Symantec C++. You can use the installer to automatically install particular configurations on your computer, or you can manually copy the tools.

Note

Users of System 7.1 must install the Finder Scripting Extension in your System Folder. You can find this extension in the `Apple Software:System Extensions:Pre-System 7.5 Additions` folder.

Support

Symantec is committed to providing you with comprehensive technical support solutions, including individual assistance from our technical support group, electronic forums and bulletin boards, and automated fax retrieval. See the “Symantec Service and Support Solutions” section in the *User's Guide and Reference* for additional information.

Roadmap 2

This chapter provides a brief description of the items contained in this Symantec C++ 8.6 for Macintosh. You can peruse the contents of this chapter sequentially, or click on an item in the bookmarks column at the left to proceed directly to the item's description. By viewing the bookmarks, you also see the hierarchy of where the particular item resides.

Note

If the bookmarks are not visible at the left of this window, select **Bookmarks and Page** from the **View** menu, or press Command-7 to display the bookmarks.

Welcome

This introductory document contains important information regarding the CD and describes the options for installing Symantec C++ on your system.

License Agreement

Please read the license agreement before using any of the tools on this CD.

Guide to the CD

This document provides an overview of Symantec C++ for Macintosh CD, and gives descriptions and location of the contents.

Release Notes

Documents that provide important information regarding new features in each component, bugs that have been fixed, and known problems. Release notes are provided for C++ 8.6 and Cafe 1.5.

Install Acrobat Reader

This is an alias to the Adobe Acrobat Reader installer.

Symantec C++/Cafe Installer

This application lets you install various configurations and components of Symantec C++ for Macintosh and Cafe 1.5 automatically on your computer.

Trial Versions of Visual Page and Visual Cafe

These 30 day trial versions allow you to try out some of Symantec's other development tools for the Internet. Visual Page is a powerful WYSIWYG web page authoring application. Visual Cafe is a RAD development environment. The Visual Cafe trial is for use on Power Macintosh machines only. For more information or to order a full version of these products directly from Symantec call 1-800-441-7234 or go to Symantec's web site at www.symantec.com.

Latest Symantec Tools

The latest development tools from Symantec including the newest releases of Symantec C++ for Macintosh, Symantec Cafe 1.5, and Symantec C++ for 68K development. Other tools in this folder are THINK Pascal and an expanded THINK Reference, including the THINK Class Library documentation. In addition, you will find many scripts that take advantage of the scriptability of the Symantec Project Manager's project window and editor.

Symantec C++ and Cafe for Mac

Latest version of the Symantec Project Manager for generating native Power Macintosh applications, 68K applications, and java applets and applications.

Cafe 1.5

The most comprehensive Macintosh development environment for creating both Java applets and Java applications on your Power Macintosh or 68K Macintosh.

- **Symantec Just-In-Time (JIT) Compiler for PPC**

The JIT lets you run Java applets and Java applications on your Macintosh up to 10 times faster than Sun's Java Virtual Machine for the Macintosh. The most dramatic improvements are seen for computation-intensive code.

- **Source-level Debugger**
The source-level debugger uses browser-style windows to display information about the Java applet or application being debugged.
- **Project Manager Enhancements**
The Project Options Menu and Project Window have been revised to make it easier to control project behavior.
- **Cafe Studio**
This is a visual Java development tool that provides built-in tools to help you lay out the appearance of Java applets using common user-interface elements in the java.awt package.
- **Symantec and Sun Java Compilers**
These compilers let you create Java applets and Java applications from the Symantec Cafe for Macintosh development environment. The Symantec compiler is up to 9 times faster than the Sun compiler.
- **Demos and Goodies**
An expanded selection of tools, JDK and Symantec demos, and source code.
- **Tutorials**
Tutorials that guide you through the fundamental steps of using the Symantec development environment and programming in Java. In addition, pre-release versions of several Apple Guides are also included in this release.
- **Objectspace's Java Generic Library 1.1**
Converted for use with Cafe 1.5. Projects are included for building all the demo projects and building the library source code.

Old Favorites

Latest version of the Pascal development tools used to create 68K applications and the THINK Project Manager for generating only 68K code. Applications will run on all Macintoshes, but will run in emulation on Power Macs.

- **Deprecated Tools**
Symantec Rez and THINK Rez.

- **THINK Pascal**
Classic version of THINK Pascal for 68K Macintosh development.
- **THINK Reference**
Complete THINK Reference product including Inside Macintosh, standard library reference, and TCL.

Goodies

Useful tools to complement the Symantec Project Manager, and make software development easier.

- **AppleEvent Information**
Symantec's AppleEvent implementation is based on Apple's Object Model, and utilizes a subset of the Core Suite as described in the AppleEvent Registry.
- **Compiler Toolkit 2.1**
This kit contains everything that you need to host a compiler within the Symantec Project Manager, including up-to-date documentation and a considerable amount of source code and libraries.
- **Do For Each Project *f***
A drag and drop script application that allows you to run a common operation on several Symantec Project Manager project files.
- **External Editor Information**
Information and an implementation example on how to use the Symantec Project Manager's AppleEvent interface for standalone text editors.
- **IDL Support**
Contains the script, Run Script, which passes the selected files from the project to ToolServer to use the SOM IDL compiler, and then presents the results to SPM.
- **Key Binder**
A program that lets you assign keys to various commands in the Symantec Project Manager.



- **Map2XCOFF**
A utility that helps you use Apple's Power Mac Debugger version 2.0 to debug applications (or shared libraries) built with the Symantec Project Manager.
- **Norton Goodies 3.2**
Two of Symantec's award-winning Norton Utilities for Macintosh, System Info and Fast Find, are included as goodies on this release. System Info provides key system information at a glance and includes benchmarking to compare performance against other Macintosh models. Fast Find allows you to locate, view, and launch files at lightning speed.
- **PCH built on 68K**
Precompiled headers that are required for building 68K applications on 68K machines. Additional information can be found in the *Using Symantec C++ on 68K Macs* Release Notes.
- **RainMaker build script**
RainMaker is a script application that can automate the builds of Symantec Project Manager project files.
- **Referential Expansion**
A control panel that takes advantage of the AppleEvent Interface to THINK Reference.
- **Tech Support's Goodies**
This folder contains a selection of tools that Tech Support has developed in response to user suggestions.
- **THINK C 8.1 d1**
An update to THINK C that fixes a rare problem that can cause the compiler to freeze or hang during compiles.
- **THINK Lib Converter**
An SPM drop-in translator that converts library files generated by the THINK Project Manager (or THINK C) into the MPW OMF format. It can be used to help convert old TPM projects to be used with the SPM, if you have a library file for the TPM but don't have the source code.

Third Party Language Kits

Language System Pascal

This third party compiler is provided for users who require a Pascal solution.

Documentation

All of the documentation to support this edition of Symantec C++ for Macintosh is included on the CD as either pdf files, which are viewable through the Adobe Acrobat Reader (included on the CD), or text-only documents, which are viewable through SimpleText or the Symantec Project Manager. This folder contains the majority of the Symantec documents.

C++ 8.6 Documentation

This folder contains the documentation set for Symantec C++ for Macintosh 8.6 .

- **Compiler Guide 8.6**
Compiler reference information for the Symantec compilers including PowerPC C/C++, SPM MrC/++, PowerPC Asm, and SPM Rez.
- **Guide to 68K Compilers**
Compiler reference information for the Symantec 68K C and C++ compilers and how to use them with the Symantec C++ development environment.
- **User's Guide & Reference**
Detailed information on how to use the Symantec development environment, the THINK Class Library, and Visual Architect; step-by-step tutorials, and menu reference.
- **Object IO**
This document(s) contain useful information not included in the User's Guide and Reference.
- **Standard Template Library**
Hewlett-Packard's document describing the Standard Template Library.
- **Documentation Errata**
This document contains corrections to the previously printed Symantec C++ manuals.

Symantec C++ 7.0 for Macintosh

This folder contains the documentation set for the Symantec C++ 7.0 release (68K only).

- **Compiler Guide 7.0**
Compiler reference information for Symantec C++ (68K).
- **User's Guide 7.0**
Detailed information on how to use the THINK development environment (68K), THINK C, the THINK Class Library, and Visual Architect; step-by-step tutorials, and menu reference.
- **VA-TCL User's Guide**
Introductory information and detailed reference on the THINK Class Library and Visual Architect.

Demo Projects

This folder contains sample projects that may help you as you use the Symantec development environment. Demo folders for Cafe have been included as well.

C/C++ Demos

Projects used in some of the tutorials.

- **FracMach *f***
A fractal graphics program that demonstrates how to use offscreens and color look up tables.
- **Lyapunov *f***
A small C program that creates fractal images.
- **MiniEdit *f***
A simple TextEdit-based editor.
- **Object Bullseye *f***
A small object-oriented demo showing basic graphics, event handling, and windows, using the Macintosh Toolbox.
- **Sillyballs *f***
Tiny program that puts up a flutter of colored balls.
- **Spinning Mac *f***
A 3-dimensional animation of a Macintosh Classic!

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- **STL Vector Folder *f***
A demo of using template classes and the Standard Template Library.
- **Vector Folder *f***
Similar to the STL Vector demo, this demo uses custom vector classes instead of the STL ones.

TCL Demos

TCL-based projects used in some of the tutorials.

- **Art Class**
A simple paint program.
- **Can You Bear It?**
A somewhat twisted version of Hangman, built with Visual Architect.
- **CBugReporter**
A tool designed by Symantec Technical Support to provide customers with an easy-to-use tool for reporting problems and bugs with Symantec development tools-related products.
- **Liquid Calc**
A postfix-notation scientific calculator that lets you use different graphic backgrounds.
- **MbyN**
A VA-generated project that lets you manipulate matrices, and graph and animate them.
- **NewClassDemo**
A project that shows how to use various features of the THINK Class Library.
- **Poker Machine**
A VA-generated project that plays draw poker.
- **Process Monitor**
A VA tutorial that shows how to use VA, and builds an application to monitor processes on your Macintosh.



Exception Handling Examples

This folder contains three example projects that show the use of the BEL exception handling library in non-TCL applications.

- **ARM 15.2** *f*
Demonstration of throwing and catching a simple exception.
- **ARM 15.3** *f*
Demonstration of using exceptions to destroy partially constructed objects.
- **ARM 15.4** *f*
Example of how to handle different kinds of exceptions.

Shared Library Demos

Sample programs that illustrate the use of shared libraries and CFM-68K shared libraries.

- **Object Bullseye** *f*
A small, object-oriented graphics demo with much of its code in a shared library.
- **Sillyballs** *f*
A tiny program that uses shared libraries to display colored balls.

Unsupported Demos

Sample code from outside sources.

- **CopyBits Demo 3.1**
CopyBits Demo is an example project that gives several examples of using CopyBits to copy pictures both on screen and between offscreen Graphics Worlds and an onscreen window.
- **Glypha III**
A complete Mac game.
- **HexEdit v1.0.7**
HexEdit is a hexdump viewer and editor that allows you to edit either the data fork or the resource fork of a file.

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- **ImageTool demo**
ImageTool is a demonstration project for the Symantec Project Manager, the Think Class Library, and Visual Architect. It demonstrates the construction of an application using TCL and VA. The ImageTool application is useful in itself as a demonstration of basic image manipulation techniques and TIFF file reading capability, including LZW decompression support.
- **Matt's Fractal 1.0.4**
A fractal landscape similar to Comanche.
- **Object Space STL demo**
This demonstrates all of the classes and functions in the STL in small discrete units that print short messages to cout.
- **OutOfPhase v1.31**
A music synthesizer program.
- **POV 2.2 source**
The Persistence of Vision Raytracer creates three-dimensional, photo-realistic images using ray tracing.
- **Rotate Solid Mandelbrot**
Rotate Solid Mandelbrot creates Quicktime movies of a traditional Mandelbrot set, translated into 3 dimensions (with coloring), and rotates it across the X-axis.

Cafe Demo Folders

These folders include Intro to Java Programming, JDK Demos, Symantec Demos, and Third Party Demos

Third Party Goodies

This folder contains tools and demo projects from other vendors that may be of interest to you.

Tools

Demonstration versions of third party tools.

Tools Vendor Demos

- **CMaster Demo v2.0.3**
CMaster enhances the development environment by providing programmer tools that reduce the time it takes to navigate and build code.

- **Developer VISE Folder**
Developer VISE provides an easy-to-use graphical system to build the necessary components for a set of master diskettes for a product. Application VISE compresses nearly any Macintosh program on average over 40%.
- **DragInstall One-Day Demo**
DragInstall is a utility that allows you to create custom installer applications.
- **Edit Comment Demo *f***
Adds new items to your Edit menu, one of which is called Edit Comment, which presents you with an editing window that shows and edits the current revision's comment.
- **guideWorks, LLC**
A selection of tools and articles relating to Apple Guide, Apple's help delivery system that supports the design and delivery of interactive onscreen instruction.
- **MiniScreen™ Demo**
A useful control panel that allows you to specify a screen size smaller than what your Mac is capable of using.
- **PatchWorks 2.0.5 folder**
A tool that builds updaters automatically.
- **QC™ DEMO.API**
QC is a control panel/extension that adds the ability to stress test applications for runtime, memory related errors.
- **QUED/M 2.7.2 B Demo**
QUED/M 2.7 is a text editor that allows unlimited undos and redos; has 10 Clipboards (each can be edited, saved, and printed) and offers a macro facility to let you create your own menu options.
- **Resorcerer® Demo**
Resorcerer® is a resource editor that features a single window file interface that lets you browse resources easily; has a rich set of user preferences; and individual Editors for the most common Mac application resources.

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- **Script Debugger 1.0 Demo**
Script Debugger offers a wide range of editing features that make creating and editing scripts simpler.
- **Scripter from Main Event**
Scripter is authoring and development environment for AppleScript.
- **ScriptGen Pro™ Demo**
ScriptGen Pro™ enables you to write scripts for Apple's Installer program. The file created by the "Write Script" menu command is ready to use with Installer 4.0.
- **Tools Plus 2.6.1a Evaluat'n Kit**
Tools Plus™ is a set of powerful GUI Building/Event Managing libraries for programmers using THINK C, Symantec C/C++, and THINK Pascal.
- **VOODOO 1.7**
Voodoo is a version control tool for the simple and clear management of projects in which files are created in numerous versions (variants and revisions).

Shareware

Actual versions of third party tools.

- **Aladdin**
DropStuff w/EE™ 3.5.2 Installer, InstallerMaker™ 2.0.2 Installer, StuffIt Expander™ 3.5.2 Install, StuffIt Lite™ 3.5 Installer.
- **Alpha f**
Alpha is a very powerful, multi-purpose editor that allows any program- or user-defined function to be bound to any keystroke, or placed into user-defined menus.
- **BroadCast™ folder**
BroadCast™ enables you to offer software on demand via online services, CD-ROM, or virtually any other medium.
- **C Reference Card 2.2**
Information on the C programming language including code snippets and a complete sample Macintosh application.



- **CompactPro 1.50**
CompactPro reduces the size of many of your files by compressing the data.
- **Emacs-1.16**
Emacs can read and edit Macintosh formatted text files, UNIX formatted text files, and MSDOS formatted text files. Emacs can also be used to edit binary files.
- **ResCompare**
ResCompare is a programmer's utility that compares resource files.
- **SI Toolkit Installer**
Smaller Installer is an installer program created for developers who distribute software, clip art, HyperCard® stacks, databases or other information on floppy disks. It provides a way to distribute data in a compressed format to reduce the number of disks required.
- **Source Manager Demo *f***
Source Manager is designed for developers who use either Apple's Projector or Microsoft's SourceSafe 3.0 (or greater) source code control system.
- **UpdateMaker 1.3.4**
UpdateMaker is an application that can determine the differences between any two Macintosh files, be they applications, documents, system files, or whatever.
- **Z• View 1.1**
Z• View is a programmer's utility for matching screen colors to RGBColor structures or index values.

MacTech Magazine

MacTech Magazine (formerly *MacTutor*) was established in 1984 to provide a forum for programmers and developers. This folder contains special promotions, product descriptions, and order forms for MacTech items.

NeoLogic

This folder contains the NeoAccess product, which allows you to embed the power of a full-featured object oriented database engine into your UNIX, Windows, DOS, and Macintosh based applications.

Source/Libraries

This folder contains source code for various applications.

- **Infinity Windoid WDEF 3.0**
The source for a standalone code resource that conforms to a Window DEFinition (WDEF), as defined by Apple Computer in Inside Macintosh.
- **Mac F2C Libraries v1.3b1**
Mac F2C is a FORTRAN-to-C translator. It will read a file of FORTRAN code and produce a file of C code.
- **Mercutio v1.2**
The Mercutio MDEF is a Menu DEFinition resource that allows developers to easily and elegantly extend the power of their application menus.
- **PlayerPRO 4.5 Dev.Kit, etc**
PlayerPRO is a music program that provides music utilities that are based on a single file system, the MOD format and its derivatives.
- **Sprocket**
Sprocket is a very lightweight application framework for the Macintosh that is System 7.5 savvy. It is written by Dave Falkenburg of Apple Computer for MacTech Magazine, and is used as the basis for their articles.
- **WASTE Folder**
WASTE is a TextEdit replacement written by Marco Piovaneli.
WASTE is an acronym for WorldScript-Aware Styled Text Engine.

Bare Bones Software, Inc.

This folder contains demos and tools from Bare Bones Software including BBEdit 3.5, PopupFuncs 2.8, ProFont Distribution 1.2, ShrinkWrap™, and Drop• PS 1.1.3.



Apple Software

The latest development tools from Apple including complete documentation.

CFM-68K

CFM-68K is a new runtime architecture for 68K-based Macintosh applications and shared libraries. The new architecture is modeled after the Power Macintosh runtime architecture and uses CFM-68K (the Code Fragment Manager for 68K Macintosh) to provide shared library support. CFM-68K runtime applications and shared libraries can coexist and run simultaneously with classic 68K runtime applications.

Debuggers

Released and pre-released versions of Apple's Macintosh Debuggers.

Documentation

Apple's online (pdf files viewable through Acrobat) manuals to support the included Apple products.

Latest MPW

Pre-final releases of some MPW components that run in native mode on a Power Macintosh including MPW Shell with examples, libraries, scripts, and system additions. The pre-release MPW on this CD is a fully-installed, ready-to-use version.

MacApp

Current and pre-release versions of Apple's C++ framework for developing Macintosh applications.

ResEdit

Version 2.1.3 of Apple's resource editor and ResEdit Extensions, which provides additional resource editors that you can add to ResEdit 2.1 or later.

SOMobjects™ for Mac OS

The SOMobjects runtime software and the tools required to develop software for it. SOMobjects is an object-oriented programming technology for building, packaging, and manipulating binary class libraries. It is an enabling technology for OpenDoc.

SourceServer

SourceServer is a standalone version of the MPW Shell's Projector that provides users with source code control for a software project. This folder contains SourceServer 1.0.1, built with the SourceServer 1.0 source and the MPW 3.3.1 language libraries, and SourceServer v. 3.4, built as a "fat" application.

Symantec QD3D Changes

Symantec Project Manager projects and patches to the QuickDraw 3D interfaces/sample code so that you can build these in the Symantec environment.

System Extensions

This folder contains interfaces, libraries, and supplemental information for several system extensions including ColorSync 2.0, Thread Manager, QuickDraw GX, QuickTime 2.1, Pre-System 7.5 Additions, and Drag Manager. Some of these extensions include their own instructions. For the rest, you should copy the interface files to the appropriate MPW interface folder, xcoff libraries to "{PPCLibraries}", and the PEF libraries (system extensions) to your System Folder.

ToolServer

ToolServer allows you to execute any MPW command as if you were using MPW shell.

Utilities

This folder contains the Adobe Acrobat Reader installer and the Apple DocViewer application and documentation .