



A walk through the Marinetti Open Source Project

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What is Marinetti?

- TCP/IP stack for the Apple IIgs
- Required for running internet applications
 - e.g. FTP (Silver Platter/SAFE2), News reader (SNAP), Telnet (TelnetNDA), Web server (Casper) etc
- Originally written by Richard Bennett
- <http://www.apple2.org/marinetti>

What is MOSP?

- Marinetti Open Source Project
- <http://sourceforge.net/projects/marinetti>

MOSP Jeopardy

MOSP Jeopardy for \$100

- How old is Marinetti?

MOSP Jeopardy for \$200

- True/False: The only source code in MOSP CVS is for the Merlin assembler?

MOSP Jeopardy for \$300

- How many 'bugs' have been 'closed' since MOSP began?

MOSP Jeopardy for \$400

- How many 'bugs' are currently 'open'?

MOSP Jeopardy for \$500

- How many files are there in MOSP CVS?

MOSP Resources

- Developer forums
- Developer mailing list
- Tracker
 - Bugs, new features, support requests
- Source code repository
 - Build documentation

MOSP CVS File Structure pt1

- Marinetti\CDev - build files for TCPIP Control Panel
- Marinetti\Documentation - user documentation for final releases
- Marinetti\Equates - shared Equates files
- Marinetti\Init - build files for TCPIP Init
- Marinetti\LinkLayers\DC - build files for Direct Connect LL
- Marinetti\LinkLayers\MacIP - build files for MacIP LL
- Marinetti\LinkLayers\PPP - build files for PPP LL
- Marinetti\LinkLayers\PPPX - build files for Scripted PPP LL
- Marinetti\LinkLayers\SLIP - build files for SLIP LL
- Marinetti\ToolStub - build files for Tool054

MOSP CVS File Structure pt2

- Applications\Casper – build files for Casper web server
- Applications\Telnet – build files for Telnet client
- Tools\InstallMagic - input files for Installer builder application
- Tools\Merlin\Commands - Shell command object files (EXE)
- Tools\Merlin\Help.Files - Documentation for Command files
- Tools\Merlin\Library - Subroutine library files (LNK)
- Tools\Merlin\Macros - Macro source files
- Tools\Merlin\Scripts - Script (link) files for doing useful things
- Tools\NiftyList - TCP/IP tool interface files
- Tools\GSoftBASIC - TCP/IP tool interface files
- Tools\Orca.C - TCP/IP tool interface files
- Tools\Orca.M - TCP/IP tool interface files
- Tools\Orca.Pascal - TCP/IP tool interface files
- Tools\System\Crypto - build files for Crypto tool set
- Utilities\TCPSnooper – build files for TCPSnooper debugging utility

MOSP Important docs

- Readme – directory structure
- PrepareDevEnv
 - Step by step how to set up development environment
- HowToBuild
 - Step by step how to assemble a file
- HowToRelease
 - Step by step how to build an installer

Development Environment

- System 6.0.1
- Merlin v4.12 – location?
- Merlin patch Z08
- System 6.0.1 macro files for Merlin
- Object file for Serial port driver
- Richard's Merlin utilities
- 800k RAM disk named 'RAM5'

Moving Source between CVS and ligs - intro

- Pre-requisites (that I use)
- MacCVSClient (I use 1.6 PPC)
- MacSSH (I use 2.1fc1 PPC)
- RAM Disk
- Bernie][The Rescue 2.5

Moving Source between CVS and Iigs - overview

- Extract CVS content to CVS capable platform (Mac)
- Copy to Iigs (via RAM Disk?)
- Make changes on Iigs (emulator)
- Copy to CVS capable platform (Mac)
 - beware of high bits in source code!
- Compare differences with CVS
- Check-in

Building an Installer - intro

- Pre-requisites:
- Obtain InstallMagic (I use 1.0d5)
- 800k RAM disk on Ilgs

Building an Installer

- Build the source files to create the object files
- Prepare the object files for packaging
- Package the object files into an Installer for release
- Make the Installer available & announce it
- Package the build files for release (if changed)
- Make the build files available (if changed)
- Cleanup

What can you do?

- Fix a bug – see tracker
- Develop a new feature – see tracker
- Contribute language interface files for languages not currently supported:
TML Pascal II, Orca/Modula 2
- Suggest improvements to the processes used