# E2E

# Installation

# and

# Problem Reporting

By: Edward Maros

DCC Number: LIGO-G000308-00-E

- Introduction

- Where are we going?

  - Building the End-to-End Software

  - Reporting problems with the End-to-End Software

- Building the End-to-End Software

  Currently the software is distributed in tarball format. In the future, access to the CVS repository may be made available.

  - Deciding on the Pieces

  - Installing Third Party Software

  - Obtaining the Source

  - Configuration

  - Building

  - Installation

Deciding on the Pieces

- modeler and other simulators

  – GNU Binutils 2.10.0

  – GCC 2.95.2

  – GNU Make 3.77

Deciding on the Pieces (continued)

- Alfi, the graphical editor

  – All packages listed for modeler

  – GLIB 1.2.5

  – GTK+ 1.2.5

  – wxWindows/GTK 2.1.11

Installing Third Party Software

- Discussed in great detail in the installation document.

  http://www.ligo.caltech.edu/~e2e/ INSTALL.html

- Must be installed prior to installing E2E Software

Obtaining the E2E Source

- Tarball distribution

  gzip -dc <file> | tar xvf -


- CVS - Available in the future

Configuration

The E2E software is configured by the command "configure" in the top directory of the E2E software. This script (generated by autoconf) will analyze the system on which it is run to determine which options for many programs are appropriate.

- Without Alfi

  –disable-alfi

- With Alfi

  –enable-alfi –enable-alfi4

- Specifying a different installation directory

  –prefix=<dir>

Configuration (continued)

- static version

  –enable-static –disable-dynamic


- Solaris peculiarities

  – Voluminous error messages related to X
    prototypes.

    Specify –x-includes=""

Building

- make

  - Compiles all source code and produces binaries.

  - Takes thirty minutes or more

Installation

- make install

  – Copies files to the specified installation directory.

  – System is ready for use

- Problem Reporting

    - Submitting problem reports

    - Reviewing problem reports

Submitting Problem Reports

- url: http://www.ligo.caltech.edu/~e2e/

- "Create Problem Report:"

# Submitting Problem Reports (continued)

- Does

  - Specify an appropriate Category

    * alfi-doc: Issues relating to documentation of Alfi

    * alfi: Issues relating to the Alfi application

    * parser: Issues relating to reading or writing of box files.

# Submitting Problem Reports (continued)

- Does (continued)

  - Specify an appropriate Severity

    * critical: No work can proceed until this problem is fixed.

      · serious: Work can proceed, but is hampered.

      · non-critical: Work is proceeding

  - Specify an appropriate Priority

    * high: Needs to be fixed within a day

      · medium: Needs to be fixed within a week

      · low: Needs to be fixed at some point.

# Submitting Problem Reports (continued)

- Does (continued)

  - Specify an appropriate Class

    * sw-bug: Problem with the application

    * doc-bug: Problem with the documentation.

    * change-request: Functions as designed, but is not the most convenient.

    * feature-request: Suggestion for enhancing the functionality.

# Submitting Problem Reports (continued)

- Does (continued)

  - Leave submitter-id as-is

  - Specify the release of the E2E or ALFI software.

  - Give a description of how to repeat the observed problem.

  - If there is a known fix, please describe it.

# Submitting Problem Reports (continued)

- Don'ts

  - Attach files. These have caused problem reports to be unreadable. If there is a file that helps understand the problem, include its contents in the description section.

  - Use the CC field. This too has caused problems in the past.

Reviewing Problem Reports

- url: http://www.ligo.caltech.edu/~e2e/

- "View Problem Report:"

  This method is best used for a specific problem report. The number of the problem report must be known.

- "Query Problem Reports:"

  This method is best used to see what problem others have reported. It is good to review this list before submitting an new problem report.

- "Advanced Query:"

  Allows for searches based on a wide variety of criteria.