The NCBI C++ Toolkit

28: Software Development Tools

Created: April 1, 2003. Last Update: March 19, 2004.

Software Development Tools

The overview for this chapter consists of the following topics:

- · Introduction
- · Chapter Outline

Introduction

The tools used in-house by software developers at NCBI -- such as debuggers, memory checkers, profilers, etc. are discussed in C++ Toolkit Wiki (see links below).

Chapter Outline

The following is an outline of the topics presented in this chapter:

- Compilers
- Debuggers
 - TotalView (Linux only)
- Memory Checkers
 - Valgrind and Valkyrie (Linux)
 - Purify (Linux, MS-Windows, Solaris)
- · Profilers
 - Callgrind (Linux)
 - Quantify (Linux, MS-Windows, Solaris)
 - VTune (MS-Windows)
 - gprof (UNIX)
- · Source Code Version Control
 - Subversion
 - CVS

Section Placeholder

This section is only here for technical reasons. All meaningful content is above