28: Software Development Tools

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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