

1. Part 1: The Very Basics (45 minutes)
 1. Overview
 2. Supported Platforms and Languages
 3. Starting TotalView
 1. Environment Setup
 2. Compiling Your Program
 3. Starting TotalView
 4. TotalView's Basic Look and Feel
 1. Primary Windows
 2. Dialog Boxes
 3. Mouse Usage
 4. Menus
 5. Accelerator Keys
 6. Scrolling and Resizing
 7. Process and Thread State Codes
 8. X Resources
 5. TotalView's Basic Functions
 1. Viewing Source and Assembler Code
 2. Setting a Breakpoint
 3. Controlling Execution
 4. Diving Into Objects
 5. Viewing and Modifying Data
 6. Text Editing and Searching
 7. Saving Window Contents
 8. Getting Help
 9. Exiting TotalView

2. Part 2: Additional TotalView Functions (45 minutes)
 1. Loading Executables
 2. Attaching / Detaching Processes
 3. Viewing a Core File
 4. Expression Evaluation and Code Fragments
 5. More on Action Points
 6. Setting Executable Command Arguments
 7. Setting Source Code Search Paths
 8. Setting stdin, stdout, and stderr
 9. Signal Handling
 10. Setting Preferences
 11. Visualizing Array Data
 12. Command Line Interpreter (CLI)

3. Part 3: Debugging Parallel Codes (1 hour)
 1. Process/Thread Groups
 2. Debugging Threaded Codes
 1. Overview
 2. Compiling Threaded Codes
 3. Finding Thread Information
 4. Selecting a Thread
 5. Execution Control for Threaded Programs
 6. Viewing and Modifying Thread Data
 3. Debugging OpenMP Codes
 1. Overview
 2. Compiling OpenMP Codes
 3. Debugging OpenMP Programs

- 4. PRIVATE, SHARED and THREADPRIVATE Variables
- 4. Debugging MPI Codes
 - 1. Overview
 - 2. Compiling MPI Codes
 - 3. Starting an MPI Debug Session
 - 4. Selecting an MPI Process
 - 5. Controlling MPI Process Execution
 - 6. Viewing and Modifying Multi-process Data
 - 7. Displaying Message Queue State
- 5. Debugging Hybrid Codes
 - 1. Overview
 - 2. Compiling Hybrid Codes
 - 3. Debugging Hybrid Programs
- 6. Batch System Debugging