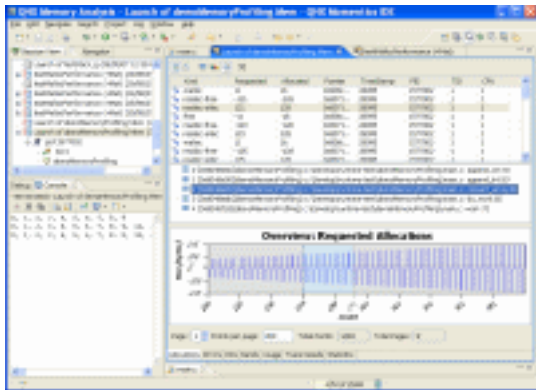


## Overview#

The QNX Momentics Memory Analysis tool allows developers to quickly pinpoint memory errors and leaks, and optimize memory usage.



[Click to enlarge](#)

## Features#

- Automatically detects the following runtime errors
  - buffer overflow
  - heap corruption
  - invalid deallocation
- Automatically detects explicit memory leaks
- Provides a snapshot of the objects allocated in the heap, and includes a full source navigable stack trace of the allocation
- Provides graphical charts for memory usage, and it includes dynamic history of memory usage for identifying trends and blocks distribution
- Provides unique information for memory usage optimization - the allocator overhead and bands usage

## Resources#

- Article: [Memory Profiling using QNX Momentics IDE 4](#)
- Wiki: [Quick Way to Find Memory Leaks](#)
- Whitepaper: [Using Memory Analysis to Create Leaner, Faster, More Reliable Embedded Systems Feb 2007](#)
- Webinar: [Improve Embedded System Stability and Performance through Memory Analysis Tools](#)
- Presentation: [Improve Embedded System Stability and Performance through Memory Analysis Tools](#)
- User Documentation: [Finding Memory Errors](#)