PureDev Software MemPro v1.6.8.0 C++ Memory Profiler

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MemPro is an C++ memory profiler.MemPro is compatible with Windows platforms. However it can communicate with and profile apps for almost every platform.MemPro is distinct from others C++ memory profilers because of its capacity to handle massive data sets.

Creating an app can be challenging, mainly if the app is of a certain amount of complexity.The biggest challenge in developing applications is writing them so they do not consume the memory they need.In this regard, it is necessary to determine how each object utilizes the available memory.

MemPro is a Windows application profiler that allows you to profile any application with compatible PDB files. PDB files.

The application employs the transmission control protocol to connect to the target application to collect information about the memory state.However, to accomplish this, you'll compile your application to the MemProLib source code by adding a few lines in your source code.

The process of viewing the allocated memory is a step-by-step process.First, you must compile the application with MemProLib and then connect to the application, take an image, and open it up to see how memory is allocated.

The program also has an extensive interface that is simple to navigate and use.It has buttons you can use to connect quickly to the application, start it, snap a picture and gain access to MemPro settings.

A snapshot includes the status of all pages in the process, details about the amount of memory allocated, and the allocations in effect.The application can also create the entire snapshot, which gives you the contents of the process memory.

When you take snapshots, you can use different views, such as Call Tree memory, Functions and Types, and Leaks.This Call Tree view displays the location in your application where memory is allocated. At the same time, the Functions view divides it according to purpose.

With this in mind and a lot more to explore, MemPro is a trusted tool you can utilize for developing your applications, ensuring that they run effectively.

MemPro can handle massive data sets, and profiles with trillions of allocations aren't common.MemPro is also ideal for profiling real-time applications such as games due to its low overhead.Because all the processing happens in the offline mode, MemPro can track thousands of allocations per second with no significant delay.

PureDev Software MemPro Great Features:

- Full memory breakdown of your application
- Multiple views of the data
- Easily find and fix memory leaks
- Subtract one snapshot from another
- Rewind memory
- Virtual memory layout visualization
- Visualize memory fragmentation
- Profile applications of any size quickly and efficiently

View the amount of committed and reserved memory as it changes over time—scroll and zoom using the mouse. Right-click to take a snapshot at any point in time.

Take multiple snapshots and compare them. Subtract one snapshot from another to see the difference. Take snapshots at any previous point by right-clicking on the graph.

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Applications Tools

View the memory broken down by the call stack of the allocation. Includes advanced filtering and grouping to efficiently manage large data sets.

View the layout of the virtual address space. Zoom from the entire address space to individual allocations and the bytes in memory. Here you can also see fragmentation.

See which functions are allocating the most memory.

See the memory broken down by allocation type. MemPro analyses the call stack and determines the type of each allocation.

MemPro uses sophisticated algorithms and heuristics to find memory leaks. MemPro will report any unreferenced memory and also warn about allocation patterns that could be potential leaks.

This feature shows all allocations and frees over a specified memory range. Scrub backward and forwards through time to find the allocation you are looking for. This is especially useful for tracking down memory corruptions.

Using the PureDev Software VMem allocator, this feature shows detailed statistics in real-time on the different heaps.

Shows the frequency of allocations for each allocator size, allowing you to see which allocators are the most active.

版本列表

PureDev Software MemPro v1.6.8.0

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