## Setting up a profiling session

In ANTS Memory Profiler, you profile your application in a *profiling session*. During a profiling session, you can see the memory your application is using in real time. Take *snapshots* to identify which objects are using memory at particular moments, and investigate any significant changes.

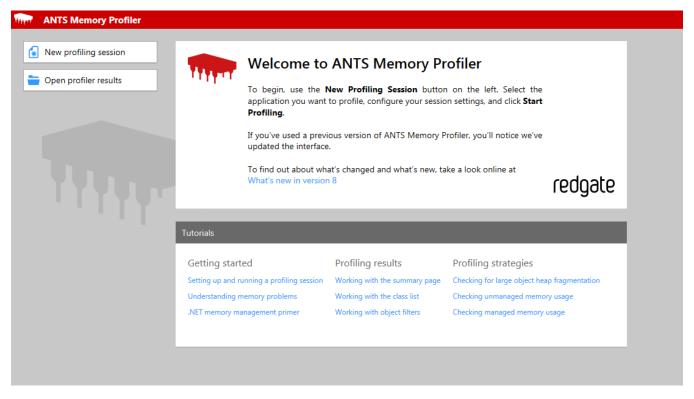
To set up a profiling session, select the application you want to profile, and choose any settings you want to profile with. For example, if you're profiling a web application, you might want to choose an unused port to profile on.

## The startup page

When you start ANTS Memory Profiler, the startup page is displayed. From here you can:

- Set up a completely new profiling session.
- Run a profiling session with the same settings as a previous session.
- Open profiling results from a previous session.
- Get help for ANTS Memory Profiler.

If you haven't run ANTS Memory Profiler before, the startup page shows you how to get started:

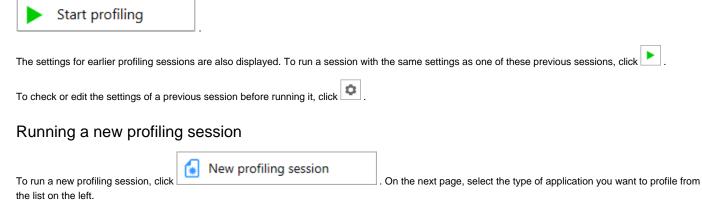


After your first profiling session, the startup page lists your most recent profiling sessions, and saved profiling results:

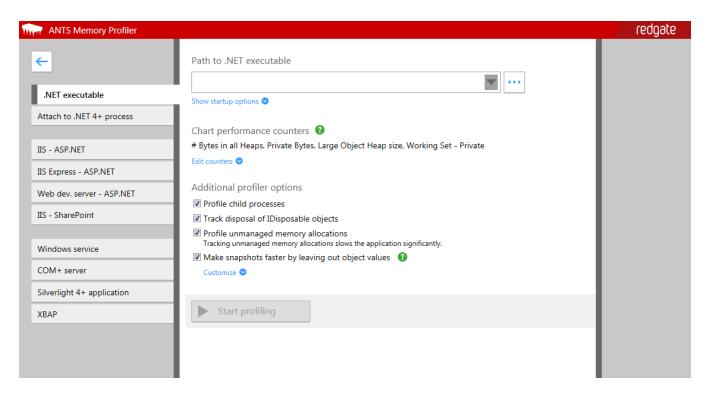
Marco ANTS Memory Profiler			redgate
New profiling session	Your last profiling session	18:01	Tutorials
Cpen profiler results  Saved profiling results \unngedDuplicates.amp8results \tRG-FILE02\\Results.amp8results D:Work\AMP\results.amp8results	ExampleExecutable.exe         D:Work/Example            Start profiling          Start profiling          Working directory         D:Work/Example    Previous profiling sessions          http://127.0.0.1:80/         Performance counters       # Bytes in all Heaps, Private Bytes, Large         Object Heap size <ul> <li> </li> </ul> Performance counters       # Bytes in all Heaps, Private Bytes, Large         Object Heap size <ul> <li> </li> </ul> CarbageCollection.exe <ul> <li>             Dyect Heap size</li> </ul> Performance counters       # Bytes in all Heaps, Private Bytes, Large <ul> <li> <li> </li> </li></ul> Performance counters       # Bytes in all Heaps, Private Bytes, Large <ul> <li> <li> </li> </li></ul> Performance counters       # Bytes in all Heaps, Private Bytes, Large             Performance counters       # Bytes in all Heaps, Private Bytes, Large             Object Heap size	Large Object 18:00 11:54 11:53	Getting started Setting up and running a profiling session Understanding memory problems .NET memory management primer Profiling results Working with the summary page Working with the class list Working with object filters Profiling strategies Checking for large object heap fragmentation Checking unmanaged memory usage Checking managed memory usage

## Running a profiling session with existing settings

Your most recent profiling session is displayed at the top of the startup page. To run a session with the same settings, click



The profiling options for the selected application type are displayed on the right of the page.



Choose the type of application you want to profile for more details:

- Profiling a .NET executable
- Attaching to a process

- Profiling an ASP.NET application on IIS
  Profiling an ASP.NET application on IIS Express
  Profiling an ASP.NET application on web development server
- Profiling SharePoint
- Profiling a Windows service
- Profiling a COM+ server application
- Profiling a Silverlight application
- Profiling an XBAP (XAML Browser Application)

You can't profile Windows Store applications with ANTS Memory Profiler.

You can also start a new profiling session from the Visual Studio add-in. (i)