



SELA | DEVELOPER | PRACTICE
July 3-5, 2018

ClrMD workshop – Lab 3 | List Timer instances and details

The goal of this lab is to show how to access static/instance fields and find method name/implementor type

Part 1 – get a static field

1. Use the same dump and your previous application code or the available startup project
2. Write a helper method to get mscorlib assembly (where Timer types)
3. Get the type corresponding to TimerQueue
4. Get the “s_queue” static field

Part 2 – get field value and method

1. Write a method to get the value of a field given its name and the address of the instance (need a ClrHeap)
2. Write the loop to iterate the TimerQueueTimer instances
3. For each instance, output the due time, period and if it has been cancelled
4. Write a method to show the name of the method call back + which type implements it