```
LinksPlatform's Platform Diagnostics Class Library
     ./csharp/Platform.Diagnostics/Performance.cs
   using System;
using System.Diagnostics;
1
2
   using System.Runtime.CompilerServices;
   namespace Platform. Diagnostics
6
       /// <summary>
       /// <para>Provides a set of methods for performance measurement.</para>
       /// <para>Предоставляет набор методов для замера производительности.</para>
9
       /// </summary>
10
       public static class Performance
11
12
           /// <summary>
13
           /// <para>Measures the time it takes to execute the action by executing it and using
            /// <para>Измеряет время, которое занимает выполнение действия, выполняя его и используя
            /// </summary>
16
           /// <param name="action"><para>The <see cref="Action"/> delegate.</para><para>Делегат
17
               <see cref="Action"/>.</para></param>
           /// <returns>
           /// <para>The time interval representing the time it took to execute the action.</para>
19
           /// <para>Временной интервал, представляющий время, которое потребовалось для выполнения
20
               действия.</para>
           /// </returns>
           [MethodImpl(MethodImplOptions.AggressiveInlining)]
           public static TimeSpan Measure(Action action)
23
24
               var sw = Stopwatch.StartNew();
               action();
26
               sw.Stop();
27
               return sw.Elapsed;
           }
29
       }
30
   }
31
1.2 ./csharp/Platform.Diagnostics.Tests/PerformanceTests.cs
   using System;
using Xunit;
2
   namespace Platform. Diagnostics. Tests
4
       public class PerformanceTests
6
           [Fact]
           public void MeasureTest()
q
10
11
               var result = 0;
               var measurement = Performance.Measure(() => result = 1 + 1);
12
               Assert.Equal(2, result);
13
               Assert.True(measurement > TimeSpan.Zero);
           }
15
       }
```

16

}

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