1. Install-Package Microsoft.Extensions.Logging.Log4Net.AspNetCore -Version 3.1.0

2.Create a new file log4net.config paste it in the file

<?xml version="1.0" encoding="utf-8" ?>

<log4net>

<appender name="RollingFile" type="log4net.Appender.FileAppender">

<file value="C:\Temp\app.log" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%-5p %d{hh:mm:ss} %message%newline" />

</layout>

</appender>

<root>

<level value="ALL" />

<appender-ref ref="RollingFile" />

</root>

</log4net>

3.In Startup.cs

public void Configure(IApplicationBuilder app, IWebHostEnvironment env,ILoggerFactory loggerFactory)

{

.

.

loggerFactory.AddLog4Net();

.

.

}

4. Program.cs

Modify CreateHostBuilder() to the following

public static IHostBuilder CreateHostBuilder(string[] args) =>

Host.CreateDefaultBuilder(args)

.ConfigureWebHostDefaults(webBuilder =>

{

webBuilder.UseStartup<Startup>()

.ConfigureLogging((hostingContext, logging) =>

{

logging.AddLog4Net();

logging.SetMinimumLevel(LogLevel.Debug);

});

});

5. Check the location given in log.config to cofirm if log has been generated.

6. static readonly log4net.ILog \_log4net = log4net.LogManager.GetLogger(typeof(ProductsController));

7. \_log4net.Info("Get Product by " +id +" is invoked");

http://dotnetpattern.com/nunit-assert-examples