

1. สร้างไฟล์ log4net.config ที่ root project ตัวอย่างดังภาพ

```
1 <?xml version="1.0"?>
2 <log4net xmlns="urn:log4net">
3   <appender name="RollingLogFileAppender" type="log4net.Appender.RollingFileAppender">
4     <file type="log4net.Util.PatternString">
5       <conversionPattern value="c:\logs\Designer-log-%date{yyyy-MM-dd}.txt" /> <!-- config path and format log -->
6     </file>
7     <appendToFile value="true"/>
8     <rollingStyle value="Composite"/>
9     <maximumFileSize value="1MB"/>
10    <datePattern value="-yyyy-MM-dd" />
11    <staticLogFileName value="true"/>
12    <layout type="log4net.Layout.PatternLayout">
13      <conversionPattern value="%date [%-5thread] [%logger] %-5level - %message%newline"/>
14    </layout>
15  </appender>
16  <root>
17    <level value="debug"/> <!-- Level log-->
18    <appender-ref ref="RollingLogFileAppender"/>
19  </root>
20 </log4net>
21
```

2. ทำการเปิดไฟล์ root/Global.asax และเพิ่ม config log4net ดังภาพ

```
10
11 namespace Designer
12 {
13   // Note: For instructions on enabling IIS6 or IIS7 classic mode,
14   // visit http://go.microsoft.com/?LinkId=9394801
15
16   public class WebApiApplication : System.Web.HttpApplication
17   {
18     protected void Application_Start()
19     {
20       AreaRegistration.RegisterAllAreas();
21
22       WebApiConfig.Register(GlobalConfiguration.Configuration);
23       FilterConfig.RegisterGlobalFilters(GlobalFilters.Filters);
24       RouteConfig.RegisterRoutes(RouteTable.Routes);
25       BundleConfig.RegisterBundles(BundleTable.Bundles);
26
27       log4net.Config.XmlConfigurator.Configure(new FileInfo(Server.MapPath("~/log4net.config")));
28     }
29   }
30 }
```

3. วิธีกรใช้ ทำการประกาศ logger variable type log4net.ILog ดังภาพ

```
public partial class GenerateProjectController : Controller
{
  readonly log4net.ILog logger = LogManager.GetLogger(System.Reflection.MethodBase.GetCurrentMethod().DeclaringType);
  //
  // GET: /GenerateProject/
  private static string errorMessage = "";
  private static bool createNew = false;

  public ActionResult Index()
  {
    logger.Debug("Input USER_AUTHEN : " + Session[SessionId.USER_AUTHEN]);
  }
}
```

4. ทำการเรียกใช้ตามภาพด้านล่าง

```
public partial class GenerateProjectController : Controller
{
    readonly log4net.ILog logger = LogManager.GetLogger(System.Reflection.MethodBase.GetCurrentMethod().DeclaringType);

    //
    // GET: /GenerateProject/
    private static string errorMessage = "";
    private static bool createNew = false;

    public ActionResult Index()
    {
        logger.Debug("Input USER_AUTHEN : " + Session[SessionId.USER_AUTHEN]);
    }
}
```