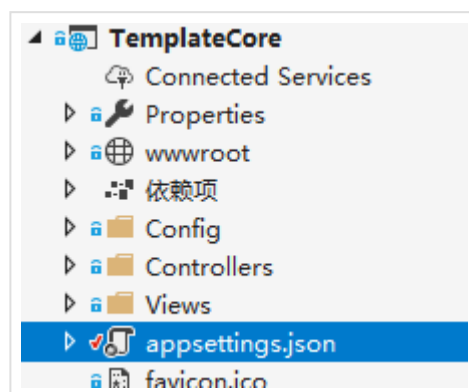# 干貨：.net core實作讀取appsettings.json組態檔（建議收藏）

看好多人不懂在.NET CORE中如何讀取組態檔，我這裡分兩篇，這一篇介紹怎樣通過appssettings.json配置讀取檔案資訊，這裡我會教大家兩種方式：
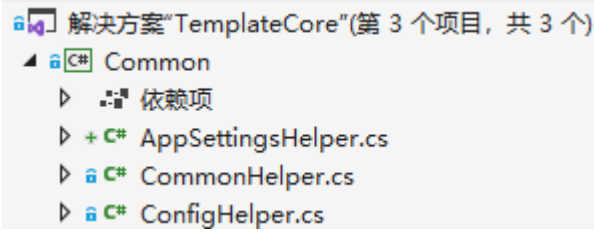
**第一種直接放到通用類別庫，那裡想調往那調，**

**1.編輯我們的appsettings.json檔案**

```
 {
"Logging": {
  "LogLevel": {
    "Default": "Information",
    "Microsoft": "Warning",
    "Microsoft.Hosting.Lifetime": "Information"
  }
},
"ConnectionStrings": {
  "TestConnection": "server=123;User ID=jiyuwu;Password=123456;database=jiyuwu;",
  "Redis": "127.0.0.1:6379"
},
"AllowedHosts": "*"
}
```



**2.通用類別庫Common添加參考類別庫Microsoft.Extensions.Configuration.Json并添加 AppSettingsHelper.cs**

```
Install-Package Microsoft.Extensions.Configuration.Json -Version 3.0.0
```

```csharp
using Microsoft.Extensions.Configuration;
using Microsoft.Extensions.Configuration.Json;
using System;
using System.Collections.Generic;
using System.Text;

namespace Common
{
    public class AppSettingsHelper
    {
        public static IConfiguration Configuration { get; set; }
        static AppSettingsHelper()
        {
            //ReloadOnChange = true 當appsettings.json被修改時重新加載
            Configuration = new ConfigurationBuilder()
            .Add(new JsonConfigurationSource { Path = "appsettings.json", ReloadOnChange = true })
            .Build();
        }

    }
}
```

### 3.呼叫

```csharp
string sqlString= AppSettingsHelper.Configuration.GetConnectionString("TestConnection");
string sqlString1 = AppSettingsHelper.Configuration["Logging:LogLevel:Default"];
```
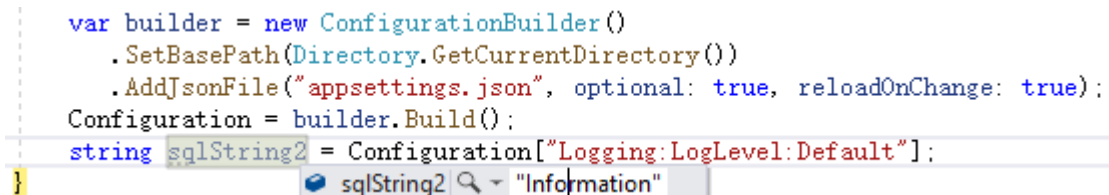


**第二種直接讀檔案呼叫，**

1.參考類別庫并讀取檔案獲取配置

```
Install-Package Microsoft.Extensions.Configuration.Json -Version 3.0.0
```

```csharp
public IConfiguration Configuration;
public void TestAppSettings()
    {
        var builder = new ConfigurationBuilder()
            .SetBasePath(Directory.GetCurrentDirectory())
            .AddJsonFile("appsettings.json", optional: true, reloadOnChange: true);
        Configuration = builder.Build();
        string sqlString2 = Configuration["Logging:LogLevel:Default"];
    }
```



**簡單介紹下原理：**

我們通過

ConfigurationBuilder

物件來創建

ConfigurationRoot

物件，并用其來讀取配置，

SetBasePath()

方法是用來設定我們配置物件需要的組態檔的基礎路徑，比如我們將基礎路徑設定為

C:\TemplateCore\TemplateCore

，那么他讀取我們的組態檔

appsettings.json

的路徑將是

C:\TemplateCore\TemplateCore\appsettings.json

开源地址：**https://github.com/jiyuwu/TemplateCore**

测验浏览效果：**http://127.0.0.1:1994/home/TestAppSettings**



server=123;User ID=jiyuwu;Password=123456;database=jiyuwu;InformationInformation