

## 目录

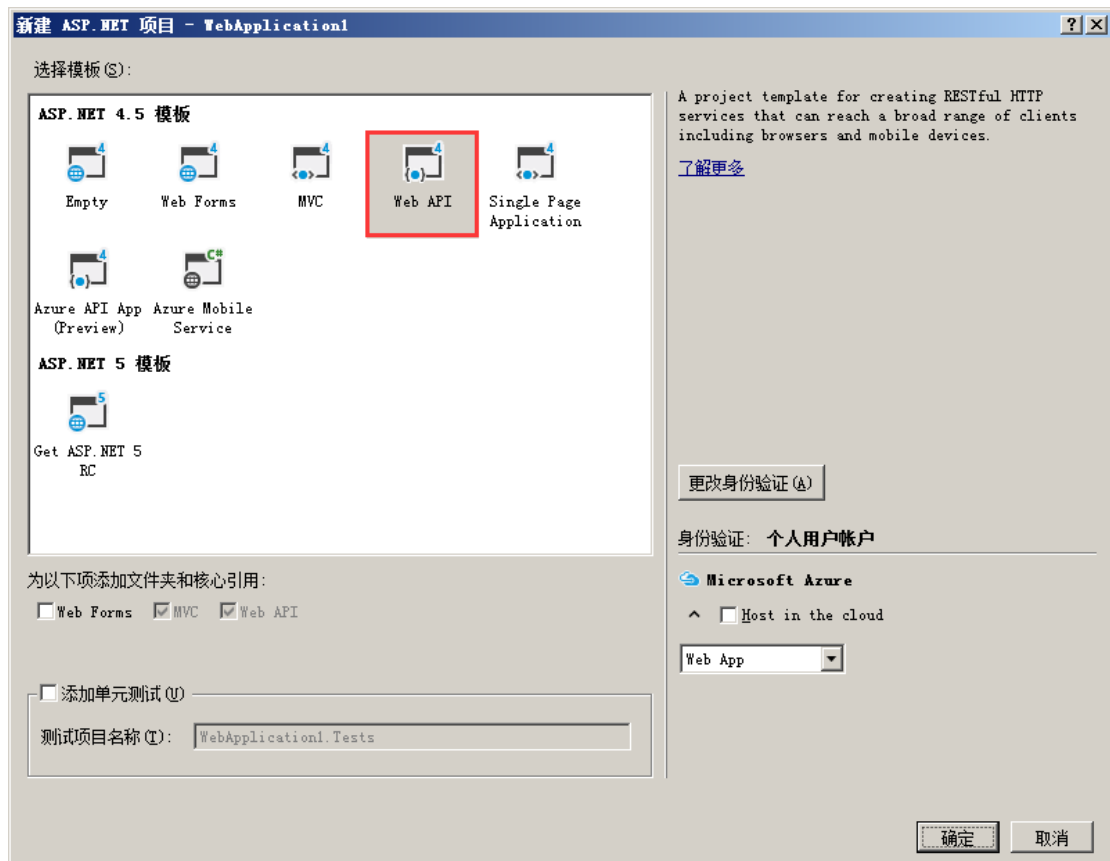
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# 1 大概思路

- 创建 WebAPI
- 创建 CrossMainController 并编写
- Nuget 安装 microsoft.aspnet.webapi.cors
- 跨域设置路由
- 编写 JQuery EasyUI 界面
- 运行效果

# 2 创建 WebAPI

创建 WebAPI，新建->项目->ASP.NET Web 应用程序->Web API



# 3 创建 CrossMainController 并编写

编写如下:

```

using CrossdomainWebApi.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net;
using System.Net.Http;
using System.Web.Http;

namespace CrossdomainWebApi.Controllers
{
    [RoutePrefix("api/CrossMain")]
    public class CrossMainController : ApiController
    {
        [Route("GetUserInfo")]
        [HttpPost]
        public HttpResponseMessage GetUserInfo([FromBody]formUserInfo obj)
        {
            //[FromBody]int page, [FromBody]int rows, [FromBody]string email
            List<UserInfoViewModel> listStudent = new List<UserInfoViewModel>();
            for (int i = 0; i < 55; i++)
            {
                UserInfoViewModel student = new Models.UserInfoViewModel();
                Random ran = new Random();
                student.Email = i.ToString() + ran.Next(100, 999).ToString() +
                "System@qq.com";
                student.HasRegistered = true;
                student.LoginProvider = "Yes";
                listStudent.Add(student);
            }

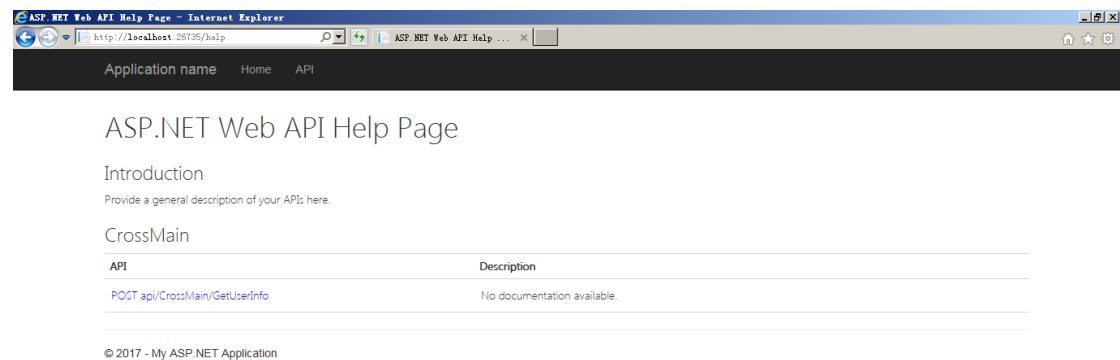
            int page = obj.page;
            int rows = obj.rows;
            List<UserInfoViewModel> ts = new List<UserInfoViewModel>();
            for (int i = (page - 1) * rows; i < (page * rows>listStudent.Count?
listStudent.Count:page * rows) ; i++)
            {
                ts.Add(listStudent[i]);
            }

            string json= Newtonsoft.Json.JsonConvert.SerializeObject(new { rows = ts, total =
listStudent.Count, success = true });
            return new HttpResponseMessage { Content = new StringContent(json,
System.Text.Encoding.UTF8, "text/plain") };
        }
    }
}

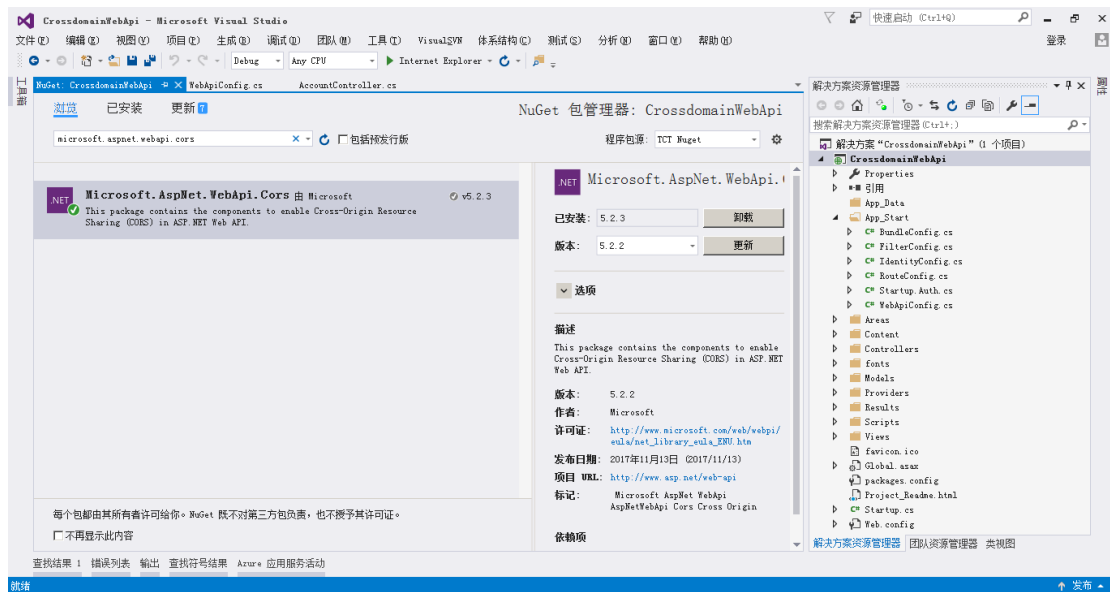
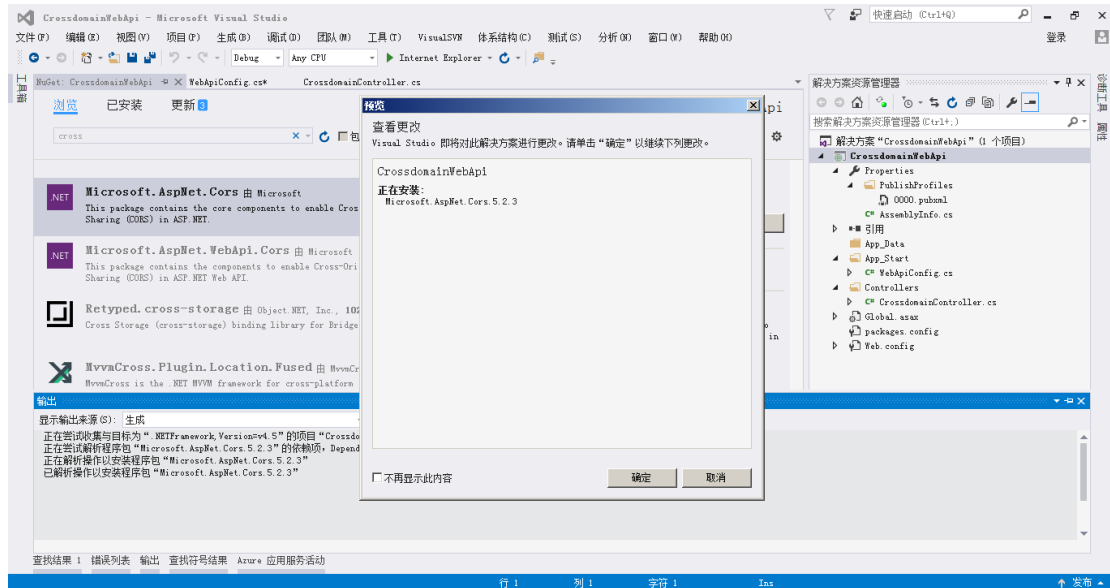
```

```
}  
  
/// <summary>  
/// form 提交数据  
/// </summary>  
public class formUserInfo  
{  
    public int page { get; set; }  
    public int rows { get; set; }  
    public string email { get; set; }  
}  
}
```

启动运行: <http://localhost:26735/help>



## 4 Nuget 安装 microsoft.aspnet.webapi.cors



## 5 跨域设置路由

设置项目 `crossdomainwebapi\crossdomainwebapi\app_start\webapiconfig.cs`

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net.Http;
```

```
using System.Web.Http;
using Microsoft.Owin.Security.OAuth;
using Newtonsoft.Json.Serialization;
//跨域引用
using System.Web.Http.Cors;

namespace CrossdomainWebApi
{
    public static class WebApiConfig
    {
        public static void Register(HttpConfiguration config)
        {
            // Web API configuration and services
            // Configure Web API to use only bearer token authentication.
            //config.SuppressDefaultHostAuthentication();
            //config.Filters.Add(new
HostAuthenticationFilter(OAuthDefaults.AuthenticationType));

            //跨域配置
            config.EnableCors(new EnableCorsAttribute("*", "*", "*"));
            // Web API routes
            config.MapHttpAttributeRoutes();

            config.Routes.MapHttpRoute(
                name: "DefaultApi",
                routeTemplate: "api/{controller}/{id}",
                defaults: new { id = RouteParameter.Optional }
            );
        }
    }
}
```

## 6 编写 JQuery EasyUI 界面

前台界面代码如下：

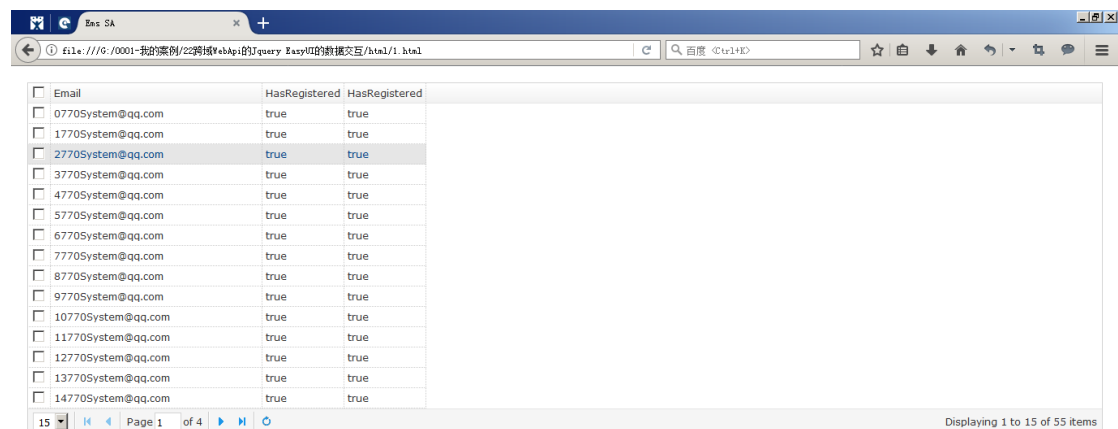
```
<!DOCTYPE HTML>
<html>
<head>
    <title>Ems SA</title>
    <link rel="stylesheet" type="text/css" href="JqueryEasyui/themes/bootstrap/easyui.css" />
    <link rel="stylesheet" type="text/css" href="JqueryEasyui/themes/icon.css" />
    <link rel="stylesheet" type="text/css" href="JqueryEasyui/demo/demo.css" />
```

```
<script type="text/javascript" src="JqueryEasyui/jquery.min.js"></script>
<script type="text/javascript" src="JqueryEasyui/jquery.easyui.min.js"></script>
<script type="text/javascript">
    function doSearch() {

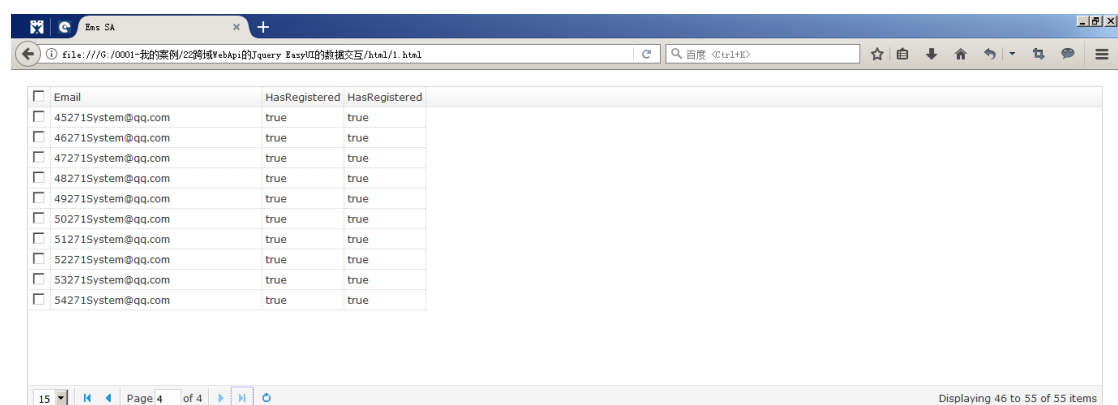
    }
</script>
</head>
<body>
    <div>
        <table id="dg" class="easyui-datagrid" style="width: 100%; height: auto; min-height:
400px"
            data-options="
                iconCls: 'icon-edit',
                singleSelect: true,
                url: 'http://localhost:26735/Api/CrossMain/GetUserInfo',
                method: 'post',
                pagination:true,
                pageSize:15,
                pageList: [5, 10, 15],
                queryParams: {'email': ''}
            ">
            <thead>
                <tr>
                    <th data-options="field:'ck',checkbox:true">
                    </th>
                    <th data-options="field:'Email',width:'20%'">
                        Email
                    </th>
                    <th data-options="field:'HasRegistered'">
                        HasRegistered
                    </th>
                    <th data-options="field:'HasRegistered'">
                        HasRegistered
                    </th>
                </tr>
            </thead>
        </table>
    </div>
</body>
</html>
```

## 7 运行效果

启动 WebAPI，并刷新 Jquery EasyUI 界面，可见如下图：



Email	HasRegistered	HasRegistered
<input type="checkbox"/> 0770System@qq.com	true	true
<input type="checkbox"/> 1770System@qq.com	true	true
<input type="checkbox"/> 2770System@qq.com	true	true
<input type="checkbox"/> 3770System@qq.com	true	true
<input type="checkbox"/> 4770System@qq.com	true	true
<input type="checkbox"/> 5770System@qq.com	true	true
<input type="checkbox"/> 6770System@qq.com	true	true
<input type="checkbox"/> 7770System@qq.com	true	true
<input type="checkbox"/> 8770System@qq.com	true	true
<input type="checkbox"/> 9770System@qq.com	true	true
<input type="checkbox"/> 10770System@qq.com	true	true
<input type="checkbox"/> 11770System@qq.com	true	true
<input type="checkbox"/> 12770System@qq.com	true	true
<input type="checkbox"/> 13770System@qq.com	true	true
<input type="checkbox"/> 14770System@qq.com	true	true



Email	HasRegistered	HasRegistered
<input type="checkbox"/> 45271System@qq.com	true	true
<input type="checkbox"/> 46271System@qq.com	true	true
<input type="checkbox"/> 47271System@qq.com	true	true
<input type="checkbox"/> 48271System@qq.com	true	true
<input type="checkbox"/> 49271System@qq.com	true	true
<input type="checkbox"/> 50271System@qq.com	true	true
<input type="checkbox"/> 51271System@qq.com	true	true
<input type="checkbox"/> 52271System@qq.com	true	true
<input type="checkbox"/> 53271System@qq.com	true	true
<input type="checkbox"/> 54271System@qq.com	true	true

javascript:

## 8 总结

WebAPI 提供广泛的对外开放，可以起到整合性的作用，例如：跟 Oracle ERP、SAP 的 SCM、MM、PP 以及 SD 领域。WebAPI 形成一个 Web 标准，对于一些微服务，也起到关键性的作用。跨域还能不受限制让更多人访问，当然，也降低了安全性。

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