

第03期-使用MVC模块开发Web应用

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创建空 ASP.NET Core 项目构建管道

dotnet new web

安装 Volo.Abp.AspNetCore.Mvc 模块包

Install-Package Volo.Abp.AspNetCore.Mvc

创建自己的 ABP 模块

```
using Microsoft.AspNetCore.Builder;
using Microsoft.Extensions.Hosting;
using Volo.Abp;
using Volo.Abp.AspNetCore.Mvc;
using Volo.Abp.Modularity;

namespace BasicAspNetCoreApplication
{
    [DependsOn(typeof(AbpAspNetCoreMvcModule))]
    public class AppModule : AbpModule
    {
        public override void
OnApplicationInitialization(ApplicationInitializationContext context)
        {
            var app = context.GetApplicationBuilder();
            var env = context.GetEnvironment();

            if (env.IsDevelopment())
            {
                app.UseDeveloperExceptionPage();
            }
            else
            {
                app.UseExceptionHandler("/Error");
            }

            app.UseStaticFiles();
            app.UseRouting();
            app.UseConfiguredEndpoints();
        }
    }
}
```

Startup 启动类配置

```
using System;
using Microsoft.AspNetCore.Builder;
using Microsoft.Extensions.DependencyInjection;

namespace BasicAspNetCoreApplication
{
    public class Startup
    {
        public IServiceProvider ConfigureServices(IServiceCollection
services)
        {
            services.AddApplication<AppModule>();

            return services.BuildServiceProviderFromFactory();
        }

        public void Configure(IApplicationBuilder app)
        {
            app.InitializeApplication();
        }
    }
}
```

修改ConfigureServices方法的返回值为IServiceProvider(默认是void).这个修改允许我们替换AspNet Core的依赖注入框架. (参阅下面的Autofac集成部分).

services.AddApplication<AppModule>()添加了所有模块中定义的全部服务.

app.InitializeApplication() 调用 Configure 方法初始化并启动应用程序。

编写 Hello World 控制器

```
using Microsoft.AspNetCore.Mvc;
using Volo.Abp.AspNetCore.Mvc;

namespace BasicAspNetCoreApplication.Controllers
{
    public class HomeController : AbpController
    {
        public IActionResult Index()
        {
            return Content("Hello World!");
        }
    }
}
```

从AbpController派生HomeController 而不是继承自Controller类.虽然这不是强制要求,但是AbpController类有很多有用的有属性和方法,使你的开发更容易。