# Overview

**Packages Used**

**MVC Setup**

**Web API Setup**

**OWIN**

# NuGet Packages

## Autofac

- Primary package
- The basis for all other Autofac-based packages
- The minimum needed to get Autofac working
- The only package used in the primer's console app

## Autofac.Mvc5

- Autofac MVC dependency resolver
- Controller registration extensions
- Takes dependency on primary Autofac package

## Autofac.WebApi2

- Autofac Web API dependency resolver
- Controller registration extensions
- Takes dependency on primary Autofac package

# Demo

## Setting up Autofac in MVC & Web API

# OWIN-based Web API

```
public class Startup
{
    public void Configuration(IAppBuilder appBuilder)
    {
        HttpConfiguration config = new HttpConfiguration();
        config.MapHttpAttributeRoutes();

        ContainerBuilder builder = new ContainerBuilder();

        builder.RegisterApiControllers(Assembly.GetExecutingAssembly());

        IContainer container = builder.Build();

        config.DependencyResolver = new AutofacWebApiDependencyResolver(container);

        appBuilder.UseWebApi(config)
                  .UseAutofacMiddleware(container)
                  .UseAutofacWebApi(config);
    }
}
```