

The most direct way to register [custom providers, helpers or managers](#) is using assembly attributes.

1. Edit your provider class.
2. Add a using statement for the **CMS** namespace:

```
using CMS;
```

3. Register your custom providers by adding assembly attributes above the class declaration, for providers, helpers or managers respectively:

- **RegisterCustomProvider**
- **RegisterCustomHelper**
- **RegisterCustomManager**

The parameter of each attribute must contain the exact type of the corresponding custom class (specified as a **System.Type** object).

You can assign classes from both App_Code and other assemblies. If your custom class is located in an **external assembly**, you need to perform the following steps to ensure that the *RegisterCustom* attributes work correctly:

1. Open the solution in Visual Studio.
2. Ensure that your project has a reference to the **CMS.Core** dll (located in the *Lib* folder of the Kentico project).
3. Edit your custom assembly's **AssemblyInfo.cs** file (in the *Properties* folder).
4. Add the **AssemblyDiscoverable** assembly attribute:

```
[assembly: CMS.AssemblyDiscoverable]
```

5. Save the file and **Build** the custom project.

The customization automatically targets the provider object that matches the parent of the specified custom class.

Example

```
// Registers two custom providers, a helper and a manager
[assembly: RegisterCustomProvider(typeof(CustomShippingOptionInfoProvider))]
[assembly: RegisterCustomProvider(typeof(CustomProviders.CustomForumPostInfoProvider))]
[assembly: RegisterCustomHelper(typeof(CustomCacheHelper))]
[assembly: RegisterCustomManager(typeof(CustomWorkflowManager))]
```

The system now uses your customized providers instead of the default functionality.