

If your website uses any custom or third-party cookies, we recommend that you register them with an appropriate [cookie level](#). Unregistered cookies are processed with the *Visitor* level by default.

When a visitor adjusts their allowed cookie level (by interacting with a [cookie consent web part](#)), the system automatically clears all cookies that have a higher level from the visitor's browser. You may also encounter problems with custom or third-party cookies not being stored if your site's **System -> Default cookie level** setting has a lower value than *Visitor*, for example when managing [tracking consent](#).

To register custom cookies, you need to add custom code to your project. Call the **CookieHelper.RegisterCookie** method (available in the **CMS.Helpers** namespace of the Kentico API), with the following parameters:

- **string name** – the name of the cookie that you are registering.
- **int level** – an integer value representing the [cookie level](#) required to use the cookie. You can access the default level values in the *CookieLevel* enumeration.

To ensure that your cookies are recognized correctly, call the *RegisterCookie* method at the beginning of the application's life cycle – either during the initialization of a [custom module class](#), or within suitable startup code if you are [using the Kentico API in an external application](#).

Example

The following example demonstrates how to register a custom cookie named *CustomCookie* with the *Essential* cookie level:

1. Open the Kentico web project in Visual Studio (using the **WebSite.sln** or **WebApp.sln** file).
2. Create a [custom module class](#).
 - We recommend adding the class into a custom *Class library* project within the Kentico solution.
3. Override the module's **OnInit** method and call the **CookieHelper.RegisterCookie** method.

```
using CMS;

using CMS.DataEngine;
using CMS.Helpers;

// Registers the custom module into the system
[assembly: RegisterModule(typeof(CustomInitializationModule))]

public class CustomInitializationModule : Module
{
    // Module class constructor, the system registers the module under the name
    "CustomInit"
    public CustomInitializationModule()
        : base("CustomInit")
    {
    }

    // Contains initialization code that is executed when the application starts
    protected override void OnInit()
    {
        base.OnInit();

        // Registers the "CustomCookie" with the 'Essential' cookie level
        // Ensures that the cookie is preserved for visitors who change their
        allowed cookie level below 'Visitor'
        CookieHelper.RegisterCookie("CustomCookie", CookieLevel.Essential);
    }
}
```

The *CustomCookie* is now registered and can be used by visitors who allow only the *Essential* cookie level (either by interacting with a cookie consent web part or based on your site's default cookie level).



Tip – Setting cookies

You can use the Kentico API to save custom cookies into a user's browser. Call the **CookieHelper.SetValue** method within code where the HTTP context is available (for example in the code of a [custom web part](#)).

Example

```
// Saves a custom cookie named "CustomCookie" to the current visitor's browser,  
// with "CustomValue" as its value and an expiration time of 1 year  
CookieHelper.SetValue("CustomCookie", "CustomValue", DateTime.Now.AddYears(1));
```