

This page provides detailed instructions on logging of activities that require additional adjustments of your MVC application.

Logging membership activities

To ensure that the system logs every performed *Membership* related activity, such as *User registration* and *User login*, you need to:

1. Open your MVC project in Visual Studio.
2. Edit the controllers that process [sign-ins](#) and [registrations](#) (referred to as *MembershipController* in the example code below).
3. Initialize a **MembershipActivitiesLogger** instance in the sign-in and registration controller's constructor. This enables you to log activities.



We recommend using a [dependency injection container](#) to initialize service instances. When configuring the lifetime scope for *MembershipActivitiesLogger*, create a shared instance (singleton) for all requests.

```
using Kentico.Activities;
```

```
public class MembershipController : Controller
{
    private readonly IMembershipActivitiesLogger membershipActivityLogger;

    public MembershipController()
    {
        membershipActivityLogger = new MembershipActivitiesLogger();

        // ...
    }

    // ...
}
```

4. Add code according to the activity types described below:

- **User registration activity** – to log the user registration activity, call the *LogRegisterActivity* method of the *MembershipActivitiesLogger* instance. Specify the user name of the newly registered user as the method's parameter.

```
membershipActivityLogger.LogRegisterActivity(userName);
```

- **User login activity** – to log the user login activity, call the *LogLoginActivity* method of the *MembershipActivitiesLogger* instance. Specify the user name of the signed in user as the method's parameter.

```
membershipActivityLogger.LogLoginActivity(userName);
```

After adding the code mentioned above, the *User registration* activity will be logged for every user that registers as a site member, and the *User login* activity will be logged for every user that signs into the site.

Enabling tracking of the External search and the Page related activities in MVC

For logging of the *External search* and the *Page* related activities, you need to adjust your MVC application by registering routes that receive logging requests.

i **Internet Explorer 8** and older versions do **not** support this feature. Tracking of visitors using Internet Explorer 8 and older will **not** work.

To ensure that the system logs every performed *External search*, *Page visit*, and *Landing page* activity, you need to:

1. Open your MVC project in Visual Studio.
2. Make sure the **Kentico.Activities.Web.Mvc** NuGet [integration package](#) is installed.
3. Edit the application's *App_Start\RouteConfig.cs* file.
 - a. Add a *using* statement for the **Kentico.Activities.Web.Mvc** namespace.
 - b. Call the predefined **MapActivitiesRoutes** method to register routes that receive activity logging requests (typically inside the **RegisterRoutes** method, before you map your own custom routes).

```
using System.Web.Mvc;
using System.Web.Routing;

using Kentico.Activities.Web.Mvc;
using Kentico.Web.Mvc;
```

```
// Maps routes for logging of on-line marketing campaign page visits
and page-related activities
routes.Kentico().MapActivitiesRoutes();
```

4. Add the below code to your MVC website's main layout (view), so that the performed activities are logged for every page.

```
@* Registers scripts that ensure logging of campaign page visits and page-
related activities *@
@Scripts.Render(Url.RouteUrl("KenticoLogActivityScript"))
```

After adding the code mentioned above, the *External search* activity will be logged every time a site visitor uses an external search engine that leads them to the website. Similarly, the *Page visit* activity will be logged every time the page is visited, and the *Landing page* activity will be logged every time a visitor opens the page when first viewing the website.