

During the development of your MVC application you may want to see which SQL queries are run on page load. To debug the executed SQL queries you can use the *Kentico.Glimpse* [integration package](#).

Setting up Glimpse in MVC application

To use Glimpse in your MVC application, you need to install the related NuGet packages and turn Glimpse on:

1. Install the required NuGet [integration packages](#):
 - *Kentico.Glimpse* - adds the *Kentico SQL* tab, which provides insight into the SQL operations that the related Kentico instance is performing.
 - *Glimpse.Mvc5* - adds the following tabs, which provide diagnostics specific to ASP.NET MVC framework:
 - *Execution*
 - *Model Binding*
 - *Metadata*
 - *Views*
2. Run the MVC application and navigate to */glimpse.axd*.
3. Click **Turn Glimpse On**.

The Glimpse extension is now enabled and you can use its web diagnostics features.

By default, the *Kentico SQL* tab in Glimpse does not show any information. You need to enable SQL debugging in the Kentico settings to populate the tab:

1. Open the Kentico **Settings** application.
2. Navigate to **System** -> **Debug**.
3. In the **SQL queries** section, select the **Enable SQL query debug** option.

At this point the Kentico SQL tab in Glimpse shows the information about executed SQL queries. You can find the following information for each query:

- SQL code of the query.
- Size of the data that was **Sent** and **Received**.
- The **Duration** of the query execution.
- The full **Stack trace** of each query.



| Statistics | | | | | | | |
|-------------------|---------|--|--|--|--|--|--|
| Name | Value | | | | | | |
| Queries | 10 | | | | | | |
| Duplicate queries | 0 | | | | | | |
| Duration | 8 ms | | | | | | |
| Received | 0 B | | | | | | |
| Sent | 2,786 B | | | | | | |

| Queries | | | | | | | |
|---------|-------------|--|--------|----------|-------|----------|--|
| Ordinal | Information | Text | Result | Received | Sent | Duration | Stack trace |
| 1 | | -- CMS.ResourceString.generalselect DECLARE @StringKey nvarchar(max) = N'DancingGoatMvc.Roastery'; DECLARE @CultureCode nvarchar(max) = N'en-US'; SELECT TOP 1 [TranslationText] FROM View_CMS_ResourceString_Joined WHERE [TranslationText] IS NOT NULL AND [StringKey] = @StringKey AND [CultureCode] = @CultureCode | | 0 B | 280 B | 1 ms | <>c_DisplayClass7. <LogQueryStart>b__5 GeneralConnection.LogQueryStart DataQueryBase`1.GetDataFromDBInternal DataQueryBase`1.GetDataFromDB DataQue... |
| 2 | | -- CMS.ResourceString.generalselect DECLARE @StringKey nvarchar(max) = N'DancingGoatMvc.ContactUs.Title'; DECLARE @CultureCode nvarchar(max) = N'en-US'; SELECT TOP 1 [TranslationText] FROM View_CMS_ResourceString_Joined WHERE [TranslationText] IS NOT NULL AND [StringKey] = @StringKey AND [CultureCode] = @CultureCode | | 0 B | 287 B | 0 ms | <>c_DisplayClass7. <LogQueryStart>b__5 GeneralConnection.LogQueryStart DataQueryBase`1.GetDataFromDBInternal DataQueryBase`1.GetDataFromDB DataQue... |
| 3 | | -- CMS.ResourceString.generalselect DECLARE @StringKey nvarchar(max) = N'General.Firstname'; DECLARE @CultureCode nvarchar(max) = N'en-US'; SELECT TOP 1 [TranslationText] FROM View_CMS_ResourceString_Joined WHERE [TranslationText] IS NOT NULL AND [StringKey] = @StringKey AND [CultureCode] = @CultureCode | | 0 B | 274 B | 2 ms | <>c_DisplayClass7. <LogQueryStart>b__5 GeneralConnection.LogQueryStart DataQueryBase`1.GetDataFromDBInternal DataQueryBase`1.GetDataFromDB DataQue... |



Note: SQL queries executed by the MVC application are not logged in the *Debug* of the Kentico application.