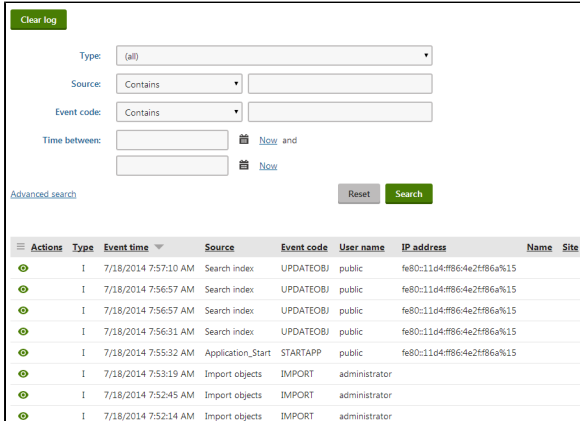



The event log stores information about all events that occur in the system. It is useful to view logged information if unwanted behavior occurs in the system and you want to find out where the problem originates or get additional details.

## Viewing the event log

To view the event log, open the **Event log** application.



Actions	Type	Event time	Source	Event code	User name	IP address	Name	Site
	I	7/18/2014 7:57:10 AM	Search index	UPDATEOBJ	public	fe80:11d4:f86:4e2f86a%15		
	I	7/18/2014 7:56:57 AM	Search index	UPDATEOBJ	public	fe80:11d4:f86:4e2f86a%15		
	I	7/18/2014 7:56:57 AM	Search index	UPDATEOBJ	public	fe80:11d4:f86:4e2f86a%15		
	I	7/18/2014 7:56:31 AM	Search index	UPDATEOBJ	public	fe80:11d4:f86:4e2f86a%15		
	I	7/18/2014 7:55:32 AM	Application_Start	STARTAPP	public	fe80:11d4:f86:4e2f86a%15		
	I	7/18/2014 7:53:19 AM	Import objects	IMPORT	administrator			
	I	7/18/2014 7:52:45 AM	Import objects	IMPORT	administrator			
	I	7/18/2014 7:52:14 AM	Import objects	IMPORT	administrator			

If you click **Display event** () next to an event, the system displays a dialog with full details about the event.

## Configuring the event log

You can configure the following event log settings:

- [General event log settings](#)
- [Logging page not found exceptions](#)
- [Configuring permissions for the event log](#)
- [Logging system events to trace](#)
- [Logging system events in the Windows Event Viewer](#)
- [Setting up e-mail notifications for errors](#)

### General event log settings

You can configure the following settings for the event log in **Settings -> System**:

Setting location	Description
Event log size	<p>Limits the maximum number of events stored in the Event log.</p> <ul style="list-style-type: none"> <li>• When exceeded by 10% (or a different percentage set by means of the <b>CMSLogKeepPercent</b> web.config key), the percentage of the oldest events is deleted from the log in a batch.</li> <li>• Old events that exceed the limit are not deleted immediately, but only after a new event is logged.</li> <li>• Applies separately to site-specific events for each site and global events. For example, if you set the limit to 100, the log may contain 110 site-specific events for each site in the system, and 110 global events.</li> <li>• Set to 0 if you do not want the system to log any events.</li> </ul>
Log metadata changes	<p>If enabled, changes of object and page metadata (i.e. when an object or a page is created, edited or deleted) are logged in the Event log.</p>
Log to database	<p>Indicates if events are logged to database. Doesn't override Event log size set to 0.</p>

Log to filesystem	If enabled, the system writes the event log into the <b>CMS\App_Data\logEvents.log</b> file on the server's file system. Doesn't override Event log size set to 0.
Log to trace	Indicates if events are logged to trace. Doesn't overwrite Event log size set to 0.  See: <a href="#">Logging system events to trace</a>
Use EventLog trace listener	Indicates if the system logs events in your Windows Event Viewer.  Use the Modify feature of the Kentico installer, if you haven't turned on the Registration of Kentico in Windows Event Log option when installing Kentico.  See: <a href="#">Logging system events in the Windows Event Viewer</a>

- ✓ You can also configure the event log by adding keys to the *appSettings* section of your application's *web.config* file. The keys work in combination with the settings listed above. For more information, see [Reference - Web.config application keys](#).

## Logging page not found exceptions

You can enable logging of **Page not found** exceptions in the event log. To do so:

1. Open the **Settings** application.
2. Select the **Content** category.
3. In the **Page not found** group, enable **Log page not found exception**.
4. **Save** the changes.

## Configuring permissions for the event log

To allow users to work with the event log, [configure permissions](#) for your website's **roles**:

1. Open the **Permissions** application.
2. Select permissions for **Modules** and the **Event log**.
3. Assign the following permissions to roles:
  - **Read** - allows members of the roles to access the event log. Only users with the Global administrator [privilege level](#) can view events logged on a global application level.
  - **Clear log** - allows members of the roles to delete the records in the event log.

## Logging system events to trace

You can set up Kentico to log application events in trace. You can then implement your own listener, such as the [TextWriterTraceListener](#) or use the out-of-the-box Kentico functionality to log events into the [Windows Event Viewer](#).

To enable logging of system events to trace:

1. In Kentico, open the **Settings** application.
2. Select the **System** category.
3. In the **Event log** settings group, enable **Log to trace**.
4. **Save** the changes.

Kentico now logs system events to trace. You can now implement your own listener, such as the [TextWriterTraceListener](#).

## Logging system events in the Windows Event Viewer

You can set up Kentico to log application events in the Windows Event Viewer. Note that to do that, Kentico uses the [EventLogTraceListener](#).



#### Requirements for IIS 8.5 and newer

If your website is hosted on IIS 8.5 or newer, you need to enable sending of logging information to Event Tracing for Windows (ETW). For more information, see the [Logging to Event Tracing for Windows in IIS 8.5](#) article (select the **ETW event only** or **Both log file and ETW event** option for the **Log Event Destination** in IIS).

### Registering Kentico in Windows Event Log

1. Run the Kentico installer.
2. Select your country, accept the license agreement, and click **Next**.
3. **Modify** the installation that you want to register in **Windows Event Log**.
4. Select the **Registration of Kentico in Windows Event Log** check box.
5. **Apply Changes**.

The installer registers Kentico in the Windows Event Log.

### Enabling logging of Kentico events into Windows Event Log

1. In Kentico, open the **Settings** application.
2. Select the **System** category.
3. In the **Event log** settings group, enable **Log to trace** and **Use EventLog trace listener**.
4. **Save** the changes.

Kentico now logs system events to both the Kentico event log and Windows Event Viewer.

### Setting up e-mail notifications for errors

You can configure the system to automatically send e-mail notifications whenever errors occur in the application.

1. Open the **Settings** application.
2. Select the **System** category.
3. Enter the target e-mail addresses for the notifications into the **Error notification e-mail address** setting.
  - Use semicolons to separate multiple addresses.
4. Type a sender address into the **No-reply e-mail address** settings.
  - The notification e-mails use the sender address in their *From* field.
5. **Save** the settings.

### Event log API

You can find an API example of logging events into the event log in [Designing secure error messages](#). More examples are provided in the [API examples documentation](#).

### Disabling logging for specific types of events

If you wish to disable logging for events of a specific type, you need to use custom code. See [Customizing event logging](#) for more information.