

# Elmah logs

ELMAH (Error Logging Modules and Handlers) is an application-wide error logging facility that is completely pluggable. It captures nearly all unhandled exceptions in PMA.studio as well as some handled exceptions that needs to be reported. It also provides the following very useful features for maintaining a running production server:

- Logging of nearly all unhandled exceptions.
- A web page to remotely view the entire log of recorded exceptions.
- A web page to remotely view the full details of any one logged exception, including colored stack traces.

Elmah although powerful and useful it is, it is not a substitute for IIS logs and PMA.studio internal logging as it does not capture all detailed information for requests like IIS does, nor does know the internal workings of PMA.studio as the internal logging is capable of. Once you click on the “Elmah Logs” link in admin panel you are taken to the errors page. You can click on the “detail” link to view more details about the specific error.

The screenshot shows the ElmahCore web interface. On the left, there's a sidebar with a list of errors. The main area displays a detailed view of a specific error. The error is a **System.TypeLoadException** with the message: "Could not load type 'Microsoft.EntityFrameworkCore.Metadata.IRelationalEntityTypeAnnotations' from assembly 'Microsoft.EntityFrameworkCore.Relational, Version=6.0.0.0, Culture=neutral, PublicKeyToken=adb9793829ddae60'." The error occurred on 2023-04-06T14:54:24.6198036+02:00. The application is PMA.studio, running on EPICure Build Extensions, with user WSR02GROUP. The stack trace shows the error occurred in `SlideTrayService.cs` at line 390, within the `await _context.BulkInsertAsync(latestSlides);` call.

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