

How to attach a Gurock SmartInspect log file to a {smartassembly} exception report?

ENTERPRISE EDITION ONLY

Logging to memory

First, you need to configure SmartInspect to log information to memory. This is done by setting the connections to “mem()” at the application’s startup:

```
SiAuto.Si.Connections = "mem()";  
SiAuto.Si.Enabled = true;
```

For more information on SmartInspect, please visit Gurock Software at <http://www.gurock.com>

Attaching the log file to the exception report

First, you need to create the log file from the SmartInspect’s memory protocol. Then, just call ‘AttachFile’ in your custom template. The following code shows how to do this:

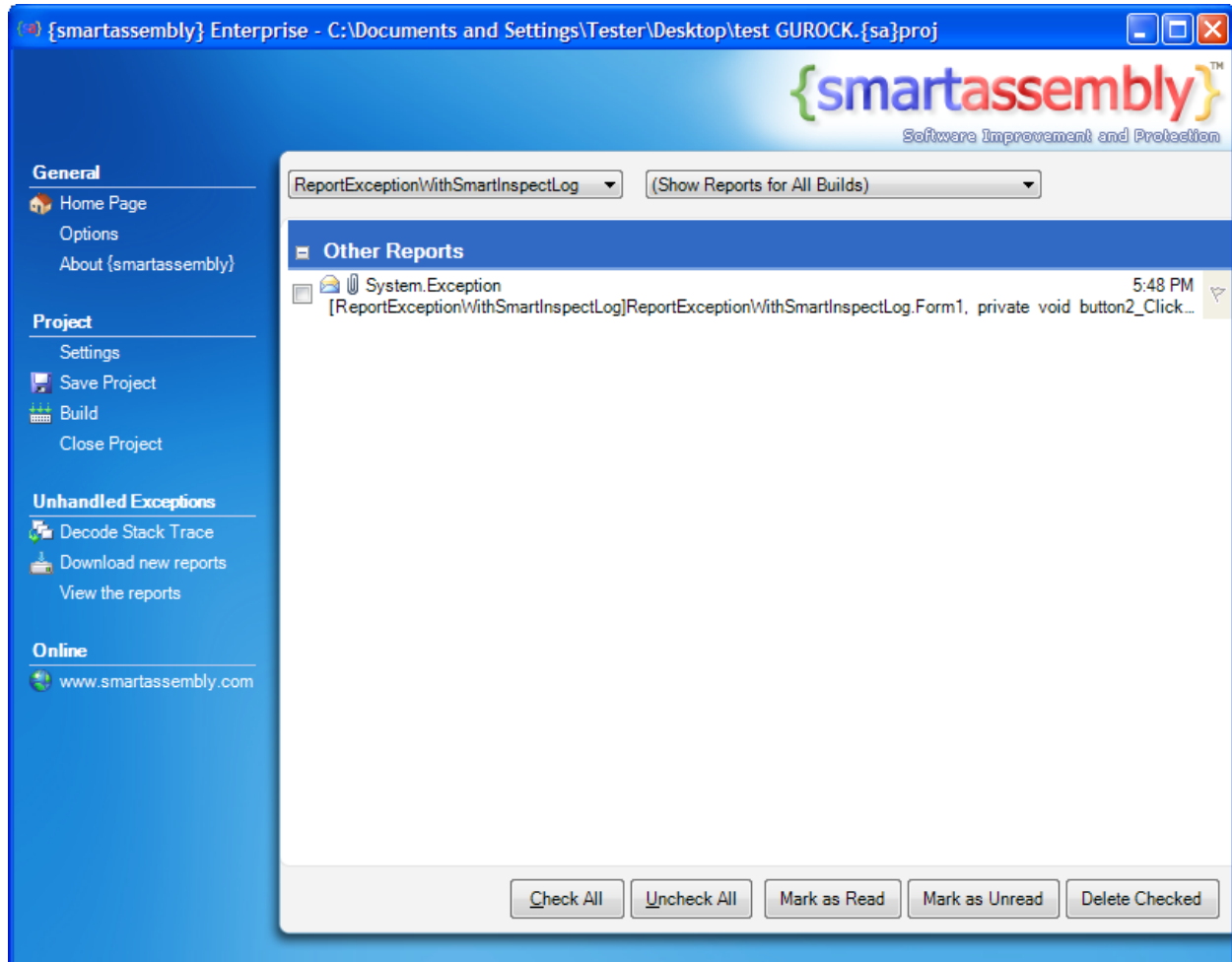
```
using System;  
using System.IO;  
using Gurock.SmartInspect;  
using SmartAssembly.SmartExceptionsCore;  
  
...  
  
public class MyExceptionHandler : UnhandledExceptionHandler  
{  
    protected override void OnReportException(ReportExceptionEventArgs e)  
    {  
        //Creating the log file  
        string tempFileName = string.Concat(Path.GetTempPath(),  
            Guid.NewGuid().ToString("B"), ".sil");  
  
        using (Stream stream = File.Create(tempFileName))  
        {  
            Gurock.SmartInspect.SiAuto.Si.Dispatch("mem", 0, stream);  
        }  
  
        //Attaching the file  
        e.AttachFile("SmartInspect Log", tempFileName);  
  
        //Deleting the temp file  
        try  
        {  
            File.Delete(tempFileName);  
        }  
        catch  
        {  
        }  
    }  
}
```

```
        //Calling the form
        (new ExceptionReportingForm(this, e)).ShowDialog();
    }

    //Other methods for the class
}
```

Viewing the log file with SmartInspect

When one file (or more) is attached to the exception report, a small icon appears in the reports' lists.



When you open the exception report, you will find the list of attached files. Select one of them and choose *Save File as...* to save the file locally.

This is an exception
[ReportExceptionWithSmartInspectLog]ReportExceptionWithSmartInspectLog.Form1
private void button2_Click(object sender, EventArgs e);

General

System.Exception
This is an exception
Version 1.0.2755.32054
Built on 7/18/2007 5:48 PM
Windows XP Service Pack 2
Version 5.1.2600.0
MyReportExceptionWithSmartInspectLog.exe
C:\Documents and Settings\Tester\My Documents\Visual Studio
Projects\ReportExceptionWithSmartInspectLog\bin\Release\MyReportExceptionWithSmartInspectLog.exe
Report {6cd8732b-6b3e-4e5e-a998-1db062b6003b}
Received on 7/18/2007 5:48 PM

Attached Files

SmartInspect Log
{0f528dec-5ced-47bc-aa11-6c8ac747b06a}.sil (157 bytes)

Copy to clipboard
Save file as...

Loaded Assemblies

Stack Trace

System.Exception
This is an exception
[ReportExceptionWithSmartInspectLog]ReportExceptionWithSmartInspectLog.Form1
private void button2_Click(object sender, EventArgs e);
IL Offset=0x0000. The code source line is not available, because you didn't provide the debugging information file (.pdb).
sender : Button "System.Windows.Forms.Button, Text: throw exception"
e : EventArgs
this : Form1 "ReportExceptionWithSmartInspectLog.Form1, Text: Form1"

OK