ASP.Net Debugging and Logging





Glimse

Manage Components ▼

ComponentType Details

Glimpse inspects web requests as they happen, providing insights and tooling that reduce debugging time and empower every developer to improve their web applications

Category

Unique Perspective

While F12 tools like Firebug and proxy debuggers like Fiddler are extremely useful, only Glimpse provides diagnostics from the perspective of your server

Component type details

Components

Embedded Stock

Edit

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ComponentType

Manage components

About

Settings

User

DB Queries

Add one Component

Add many Components

User: au443291

Log off

Component name	Arduino Due (Atmel ARM Cortex-M3)	
Categories	Arduino Development Boards/Shiels	
Location		
Component Type status	Available	
Info		
Link to data sheet	http://au.dk	Glimse
Manufacturer		
WikiLink		
		_

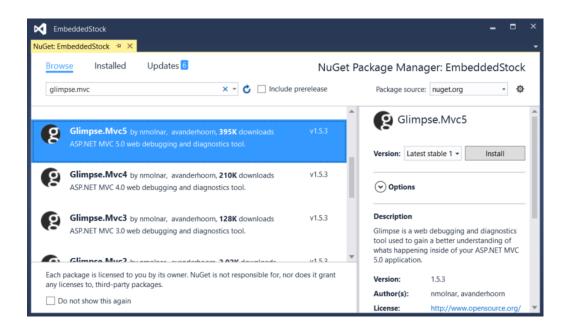
Comp. no	Serial no	Status	Admin comment	User comment
1	123asd	ReservedLoaner	Test	
2	124asd	ReservedLoaner		
3	qwe123	ReservedLoaner		
4	qwe123	ReservedLoaner		
5	1234567	Defect	Defect	
6	1234567	Loaned		
7	12qw	ReservedLoaner		

/api/Components/type/1

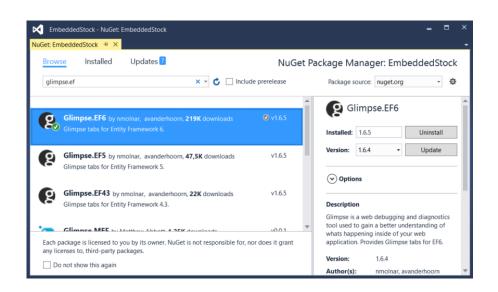
/api/components/tvpe/1/nextnu.

Glimse How to

Install Glimse.MVC and optionally Glimse.EF with Nuget



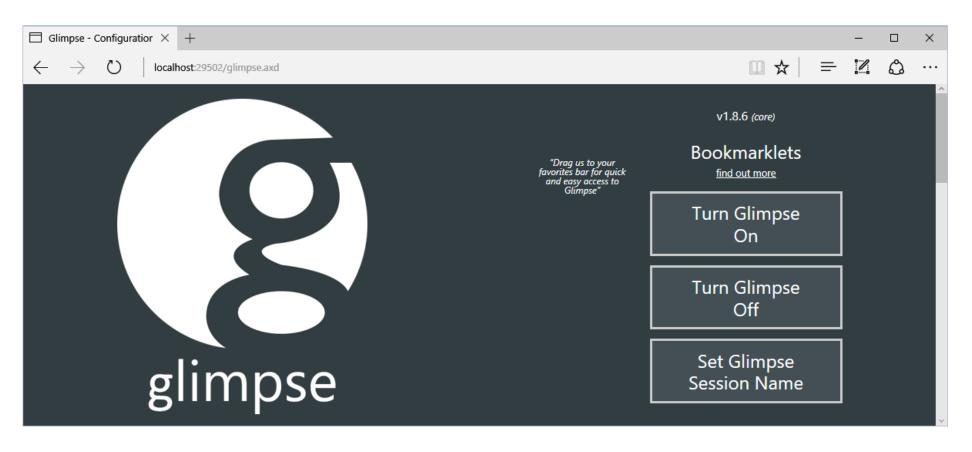
PM> Install-Package Glimpse.MVC5 PM> Install-Package Glimpse.EF6





Enable Glimpse for localhost

Navigate to http://localhost:<port #>/glimpse.axd and click the Turn
 Glimpse On button





Logging



Logging

 You write messages to the log as you would write to Debug.Writeline()

NLog syntax

```
public class AccountController : Controller
    private ApplicationSignInManager _signInManager;
    private ApplicationUserManager _userManager;
    private StockDbContext context = new StockDbContext();
    private static Logger logger = LogManager.GetCurrentClassLogger();
    public async Task<ActionResult> Register(RegisterViewModel model)
        logger.Error("AccountController.Register UserManager.CreateAsync failed: error={0}", result);
               log level
```



Log levels

- Each log message has associated log level, which identifies how important/detailed the message is
- NLog can route log messages based primarily on their logger name and log level

- NLog supports the following log levels:
 - Fatal very serious errors!
 - Error error messages
 most of the time these are Exceptions
 - Warn warning messages
 typically for non-critical issues
 - Info information messages,
 normally enabled in production environment
 - Debug debugging information less detailed than trace, typically not enabled in production environment
 - Trace very detailed logs
 which may include high-volume information
 such as protocol payloads, typically only
 enabled during development



Log Configurations

- NLog (and many others) uses a configuration file to specify what log-levels to write (save) to which destinations
- NLog uses its own configuration file separate from Web.config



References & Links

Glimse

- https://www.asp.net/mvc/overview/performance/profile-and-debug-your-aspnet-mvc-app-with-glimpse
- http://getglimpse.com/

Logging

 The Art of Logging <u>https://www.codeproject.com/articles/42354/the-art-of-logging</u>

- NLog

https://github.com/NLog http://www.strathweb.com/2012/06/using-nlog-to-provide-custom-tracing-for-your-asp-net-web-api/ http://justinpdavis.blogspot.dk/2010/04/logging-to-database-with-nlog.html

Log4Nethttps://logging.apache.org/log4net/

