

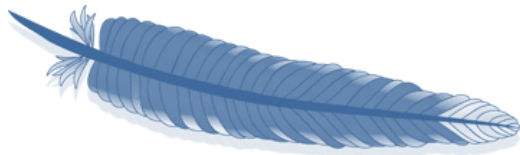
log4net

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Previously on...

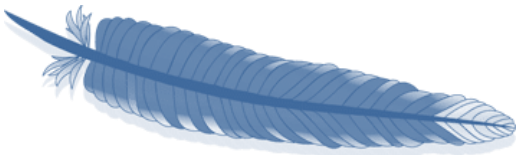
What is log4net

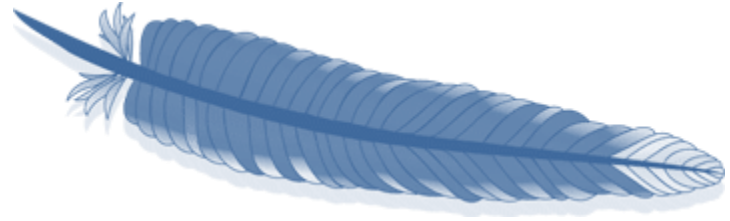
- Microsoft .NET Framework port of log4j logging library.
- Apache Software Foundation project.
- Variety of output targets (txt, xml, sql, event log...)
- Easily configurable.
- In development since July 2001.



Aim of my work

- Extension of logging interface (**ILog**) to support lambda expression as a parameter.
 - `void Debug(object message);`
 - `void Debug(object message, Exception exception);`
 - `void DebugFormat(string format,
params object[] args);`
 - ...
 - `void Debug(Func<string> formattingCallback)`

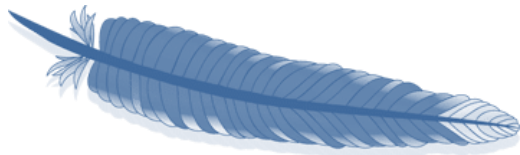




Results

Results of my work

- New set of extension methods **ILogExtensions**
 - Wrapper around **ILog** interface to ensure lazy evaluation of parameters.
 - Result of a cooperation with one of the log4net contributing members.
 - Over 40 methods + documentation.
 - Included only in .NET 3.5+ builds.

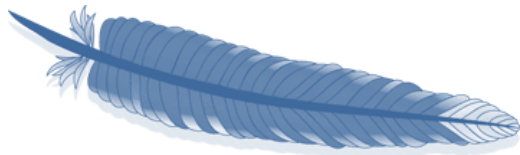


What is an extension method?

- A static method inside a static class.
 - First parameter is an instance of the extended type. (keyword **this**)

```
static void DebugExt(this ILog log, Func<object> callback) {
```

```
...
```

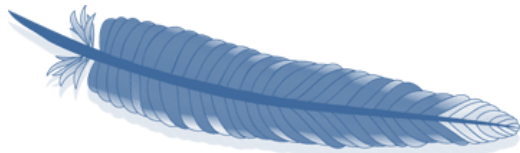
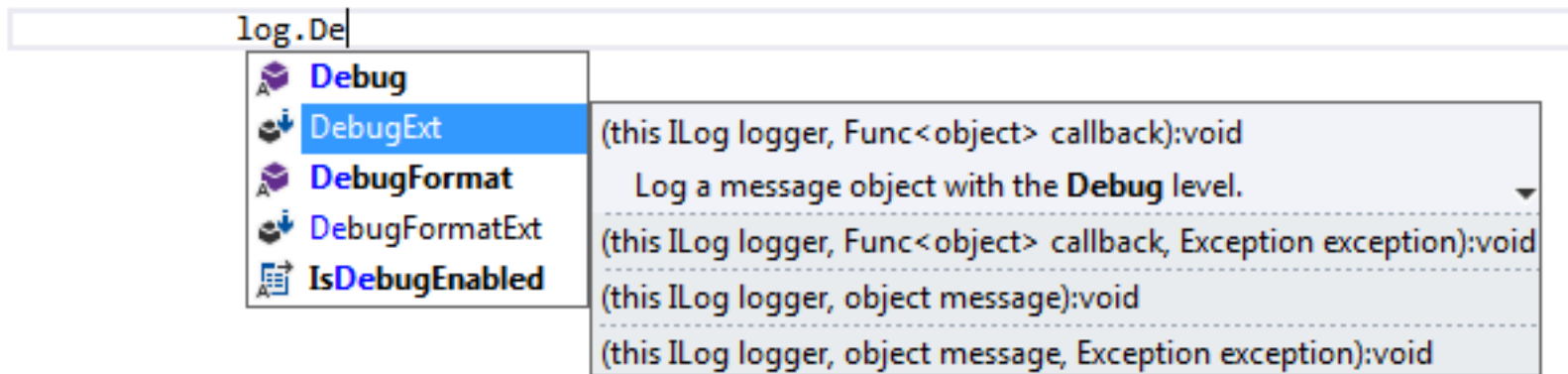


What is an extension method?

```
static void DebugExt(this ILog log, Func<object> callback) {
```

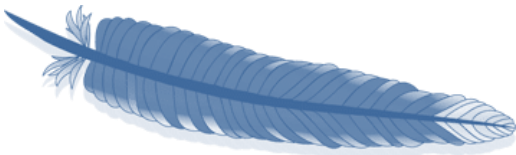
...

- Extension of the original type without its modification while keeping the level of developer's comfort.



Experience

- Personal goals were met.
- Fast replies in communication.
- Good project control through JIRA issue tracker.



Thank you for your attention.