How CROSS PLATFORM is your .NET?
db4objects Inc.

- http://www.db4o.com
Google's Summer of Code

- 2005 on Cecil, 2006 on the linker
Cecil and projects around
what is Cecil?
it's not the name of my girlfriend
it's not the name of my boy friend either
let's go back to Cecil
Cecil just ends with CIL
Common Intermediate Language
Cecil is a library to generate and inspect programs and libraries in the ECMA CIL format.

- http://mono-project.com/Cecil
Assembly
Method
benefits
• Assemblies are not « loaded »
• Doesn't load the referenced assemblies
• Works with assemblies emitted for another framework
• It works on Microsoft's Compact Framework
• Fills the lacks of System.Reflection.Emit
when not to use Cecil?
as soon as you think « dynamic »
who uses Cecil?
MonoDevelop

• http://www.monodevelop.com
mdb

- http://mono-project.com/Debugger
Gendarme

* http://mono-project.com/Gendarme
Mainsoft's GrassHopper
AspectDNG

http://aspectdng.tigris.org
Evaluant's EUSS

- http://euss.evaluant.com
NDepend

- http://www.ndepend.com
SharpDevelop

• http://www.sharpdevelop.com
the assembly linker

- http://mono-project.com/Linker
next step: debug symbols
the assembly linker
i'm still looking for a cool name
«The linker is a tool one can use to only ship the minimal possible set of functions that a set of programs might require to run as opposed to the full libraries»

• http://mono-project.com/Linker
« I don't know half of you half as well as I should like; and I like less that half of you half as well as you deserve. »
how does it work?
mark & sweep
the linker + mkbundle: secret weapon
demo
a cool idea: improve the linker to produce a Compact Mono
my secret next project
Milo
• Rodrigo B. de Oliveira
generic compiler backend for the CLI
primitive types for: Ast, Compilation, Decompilation
It's still a vaporware at this time
others cool projects to do with Cecil