

 **RevDeBug**

formerly



TimeMachine

for .NET



About T Komp:

- 20 years of experience in creating software for large companies
- 200 clients and around 230.000 users
- 50 people
- More than 1.7 million lines of code
- Around 2k issues reported yearly

6 stages of debugging

- That can't happened.
- That doesn't happen on my machine.
- That shouldn't happen.
- Why does that happen?
- Oh, I see.
- **How did that ever work?!**

◀◀ RevDeBug



INNOVATIVE ECONOMY
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The National Centre
for Research and Development

Grants for innovation

EUROPEAN UNION
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DEVELOPMENT FUND



Reverse debugging?

Ability to stop after an error have occurred and go back into the history of execution to find the root cause of the error.

RevDeBug solves the following problems:

- Eliminating bugs takes too long
- Limited access to required tools
- Learning how the existing code works may be hard and time-consuming – (especially with no documentation)

Demo #1

- Recording an app runtime
- Basics of movement through the recording
- Using call stack to move around
- Viewing recorded variables' values

Demo #2

- Using scope stack to move around
- Inspecting loops
- Variables' values history
- Jumping forward and backwards

Demo #3

- Inspecting recording of multi-threaded app
- Looking up executions
- Looking up usages

Demo #4

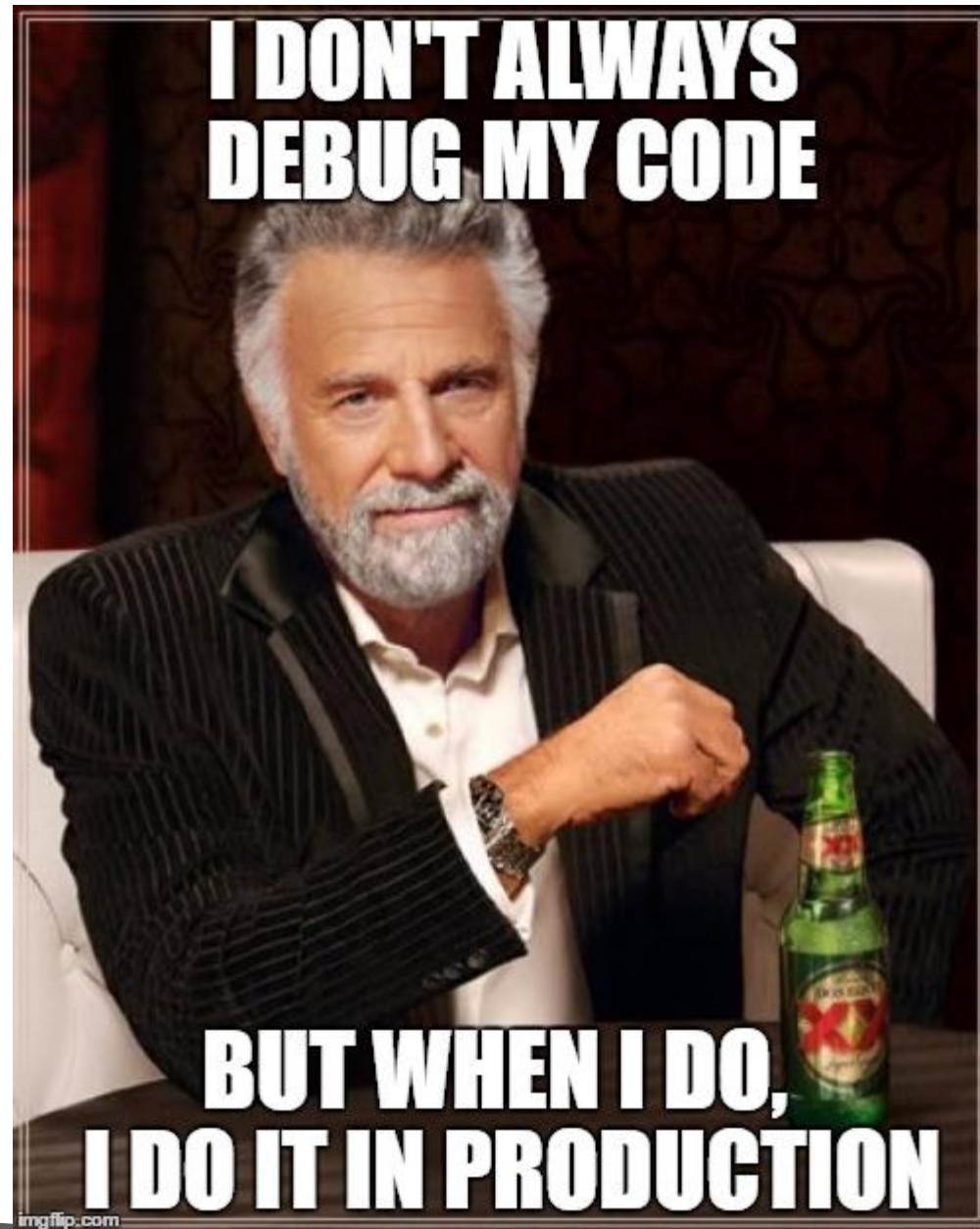
- Inspecting a web app
- Inspecting web app's Request object

More info about RevDeBug:

- Integrates with Microsoft Visual Studio 2013/2015 (starting from Community editions)
- Works with Microsoft .NET, versions from 2.0 to 4.6
- Supports projects in C# and VB.NET (desktop apps, web apps, libraries)
- Recording up to 1 GB
- Recording without Visual Studio managed with configuration file
- Preview of recording in Visual Studio for one assembly only

RevDeBug plans and development

- RevDeBug for Visual Studio (support for .NET Core)
- RevDeBug Server
- RevDeBug Logger





Thank you for your attention

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