

Advanced Debugging Techniques with dfSplat

A presentation by:
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About Antwise

- Antwise offers
 - DataFlex consulting services
 - Components / OSS subscriptions
 - Linux Web Hosting
 - VMware vSphere consulting
 - Vimalin
- VDF Guidance

VDF-Guidance

- Main site
- [Project server](#) (sign up!)
 - Uses Redmine and as such has
 - Bug tracker
 - Activity Tracker
 - Downloads
 - Repository viewer
 - Wiki
- Subversion server

Why dfSplat?

- Until VDF12 we had an integrated debugger, The Hammer lost debugging
- Extra possibilities
- Because we can
- Extendable

History

- Bored while waiting for presentations at VMworld 2008.
- Got basics to work
- VMworld 2009, Sonny, apple, iPhone...
- [PJ](#) Outside Lands 2009
- Back to work, no time
- 2015, hello Object Inspector, property tooltips

History cont.

- End of 2019 – early 2020
 - Codemax editor removed, scintilla instead
 - Closing the gap on feature parity with Studio (attach, breakpoints, restart, cli)
 - Watch Points (data breakpoints)
 - Automated profiling
 - Extend Object inspector, add Panel Inspector
 - Protect function evaluation

Debugging basics

- Heisenberg principle
- Truthful
- Presentation & navigation
- After the fact

Debugging basics

Debugger controls debuggee

Context switch

It's all about:

- Breakpoints (INT 3)
- Inspecting data

What is dfSplat?

- Debugger built on DAWs debugging components (dev. License required)
- Companion debugger for The Hammer
- Standalone or from the Studio Tool menu

How-to run?

- Download at <https://projects.vdf-guidance.com/projects/dfsplat>
- The latest blessed release is always available for download as a zip file.
- HOW TO INSTALL?
 - download zip at files section
 - unzip to a new folder (don't overwrite an old install)
 - compile in DF19.0 – DF19.1
 - Run standalone or drop binary in The Hammer Programs folder (TH3+ knows how-to use it)
 - profit?

Why would you use it?

- It is an extra tool to have
- Support for DataFlex version 12.0 until 19.1

Demo time

- Tooltips
- Attach
- Object inspector / Panel inspector
- Watch Points!
- Profiling
- Memory leak

Time's up

- Questions?

Pssst.. Also check out:

<https://dataflex.wiki/>

<https://www.reddit.com/r/dataflex>