Minutes of the EuroLLVM 2016 "How to make LLVM more friendly to out-of-tree consumers ?" BoF

Scope:
Library users are people who are not modifying LLVM itself. They are simply using (possibly pre-built binaries) LLVM libraries via public interfaces (whatever that means).

Requirements?

• Who is trying to use LLVM as a library?
  • OpenCL/OpenGL library use LLVM backend + JIT
  • Out-of-tree backend
  • Use MC get binary information
  • Out-of-tree optimization pass
  • Disassembly
  • Binary translation
• What parts of the API surface are useful?
  • LLVM 3.4 - 3.5: silent failure, compiles fine, but breaks during runtime

Open questions:

• Deprecation policy?
• Migration documentation?
  • prefer this one
  • Why those API changes: if using this, replace it with that because ...
• Automated refactoring tools (go fix equivalents using the clang rewriter?)
  • helpful
• Legacy namespace mode?
  • not much enthusiasm
• API breaks intentional? http://ebb.org/bkuhn/blog/2014/01/26/llvm.html

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