

IDE CHOICE AT TIVO

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Outline

- TiVo's evaluation of IDE choices
- IDEA's Haxe plugin development
- Snapshot of features implemented
- What is the landscape today?
- Roadmap for IDEA's Haxe plugin
- Q & A



Evaluation

IDE Feature	IntelliJ IDEA	Flash Develop	Sublime Text	Powerflasher FDT	IDE Feature	IntelliJ IDEA	Flash Develop	Sublime Text	Powerflasher FDT
Multi-OS					Multi-build projects				
Multi-lingual promise					Package explorer				
Free					Go to declaration				
Open sourced					Find usages				
Syntax, Live parsing					Code generation				
Code outline					Refactoring				
Code completion					Advanced Refactoring				
Code analysis / hints					NME builds				
Organize imports					hxcpp debugger				
Error navigation					Flash debugger				
Hierarchy Views					Unit test integration				



IDEA's Haxe plugin development

- PSI elements for classes, methods, fields, properties. For improved:
 - Code analysis
 - Code completion
 - Structure views
 - Reference resolution
- AST based PSI tree (not stub based)
- allows injecting Compiler generated AST
- Issues tracked, fixed; Unit tests fixed; CI enabled



















































Snapshot of features implemented

- Structure views:
 - Type hierarchy,
 - Method & Call hierarchies
- Code inspections, analysis
- Code hints intentions
- Advanced Refactoring
- Code generation
- Reference resolution
- Code completion (with compiler)
- Improved indexing, find usages
- hxcpp-debugger integration
- OpenFL/lime toolchain integration
- IDEA 13.1.5, 13.1.6, 14.0.4, 14.1.1, 14.1.3 supported
- MUnit (partial) integration






































































How it was then?

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How it is today?

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Roadmap for IDEA Haxe plugin

- Compiler generated AST
- Compiler assisted live parsing, error checking
- Completeness in build targets
- Functionally complete to language spec
- HaxeDoc and tooltips
- MUnit integration for test generation, running
- Mcover integration for coverage
- Improved robustness
- Issues fixed



Reference

- Roadmap for IntelliJ IDEA plugin

[https://github.com/TiVo/intellij-haxe/wiki/Roadmap--\(Master-TODO\)](https://github.com/TiVo/intellij-haxe/wiki/Roadmap--(Master-TODO))

- Comparison of IDEs available for Haxe

https://en.wikipedia.org/wiki/Comparison_of_IDE_choices_for_Haxe_programmers



Q & A

