

# Xtext and Xtend 2.6.0 Release Plan

**Date 2014/05/22**

## ***Xbase: Finalizing Xbase APIs***

With 2.6.0 we want to make the most important Xbase APIs public:

### **Xbase Grammars and EPackages**

All XbaseWithAnnotations and all super grammars shall be stable after 2.6.0.

*Actions:*

Do clean ups and add missing features:

- !Add Traditional For-Loop ([Bug 371957](#))
- !Add Synchronized block ([Bug 418753](#))
- !Instantiating Inner Classes ([427279](#))
- !Multiple Switch-Cases (“Fall through”) ([Bug 400453](#))
- !Check for overly restrictiveness ([Bug 384143](#) , [Bug 384273](#))
- !Switches should “contain” a named element ([Bug 382277](#))
- !Add compound operators ([Bug 379178](#))
- !non-wildcard static imports ([365159](#))

### **Xbase JvmModelInferer**

We want to publish API for implementing model inference. We don't want to break existing clients (too much).

*Actions:*

- Revise existing API and see what we would want to change ([Bug 381976](#) ,
- Clean-up API or put something new besides ([Bug 427288](#))
- Think about rename refactoring ([Bug 404353](#))

**![Xbase] Public API for adding imports ([Bug 427295](#))**

**[Xbase] Remove old Type- and ScopeProvider ([Bug 411010](#))**

**[Xbase] Revise Interpreter (this binding) ([Bug 368810](#))**

**[Xbase] Recognize default methods as not being abstract  
Check compile and run against Java 8 ([Bug 427298](#))**

### **[Xbase/Xtend] Split up libraries**

- Extract the smallest possible library
- Extract the compile-time library ([Bug 420136](#))
- Allow for use with a stripped down guava. ([Bug 427301](#))

- Try to live without library ([Bug 414775](#))

**![Xbase/Xtend] Optionally Compile to Java 8 Lambdas ([Bug 427313](#))**

Add a compilation target setting, when Java 8 is used, compile down to Java 8 lambdas.

**![Xtend] Support for anonymous classes ([402388](#))**

**![Xtend] Support for inner classes ([Inner classes](#))**

**![Xbase] Open Implementation (see [\[Xbase\] Open Implementation](#))**

**[Xbase/Xtend] Debugger**

- Improve Performance ([Bug 427315](#))

**[Xtext] Gradle Plugin for using Xtext languages in Gradle builds ([Bug 427316](#))**

**[Xtend] Gradle Plugin for Xtend ()**

**![Xbase/Xtend] Opinionated compiler checks**

- [\[validation\] optionally enforce parenthesis for method calls](#)

- [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=426594](https://bugs.eclipse.org/bugs/show_bug.cgi?id=426594)

- [\[validation\] optionally enforce 'return' keyword for method returns](#)

**![Xtext] Tasks (TODO, etc. Labels) ([Bug 380449](#))**

**![Xtext] Fix partial parsing (as done for Xtend already) ([Bug 427338](#))**

**![Xbase] Improve perf. by avoiding construction of URIs in JvmTypes.  
([Bug 427321](#))**

? **[Xtext] Multiple editors on same resource (see [\[editor\] upgrade to TextFileDocumentProvider](#))**

**![Xtext] Clustering for generator and standalone ([Bug 427339](#) , [Bug 427340](#))**

**[Xtext] Pass delta to generator hook (see [\[IGenerator\] Enable generating artifacts from multiple resources](#))**