



Tigerstripe



Tigerstripe 0.4 (Alizé) Release Review

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Communication Channel: eclipse.technology.tigerstripe



Introduction

- **Tigerstripe is a Technology sub-project in incubation**
 - <http://www.eclipse.org/tigerstripe>
 - <http://wiki.eclipse.org/Tigerstripe>
- **Previous release was:**
 - **First release as on Eclipse.org**
 - **Focusing on migrating from being a pure end-user tool, to becoming a framework.**
- **This releases focuses on**
 - **Support for Ganymede**
 - **Improved support for model componentization**
 - **Modeling through Artifact Patterns**
 - **Addition of “packages” to current meta-model.**



Tigerstripe “Alizé” Features

- **Support for Ganymede**
 - Refactored some of the older code to enable Ganymede (was using internal APIs around refactoring)
 - Upgraded bundles to use latest of EMF, MDT, GMF, GEF.
- **“Packages” now 1st class citizens of Meta-Model**
 - “Package Artifacts” introduced in metamodel
 - Can be annotated, or used with stereotypes
 - Available as any other artifact during code generation



Tigerstripe “Alizé” Features (cont.)

- **Enhanced Support for Model componentization**
 - Allow to split models across large number of Tigerstripe projects
 - tested with 2,500 model elements across 80+ projects without performance hit
 - Providing Buckminster integration to automatically materialize inter-dependent Tigerstripe models from repository
 - Better control of generated content per-project
 - Tigerstripe Modules (read-only projects) now supporting annotations packaging transparently.



Tigerstripe “Alizé” Features (end)

- **Artifact Patterns**

- Allow users to define their own pattern-based creation wizards/palette-tools thru ext. pt
- Allow to “skin” the Tigerstripe meta-model to tailor the workbench for related domains
 - Thru a set of custom decorators
 - Allows to address related domains, without having to change the underlying metamodel



Non-Code Aspects

Tigerstripe

- **Documentation**
 - Help index included in release.
- **Online Documentation thru Wiki**
 - **Workbench Tutorials**
http://wiki.eclipse.org/Tigerstripe_Tutorials
 - **APIs documentation**
http://wiki.eclipse.org/Tigerstripe_APIs
 - **More on Wiki**
 - Tips-n-tricks, FAQ.



APIs

- **APIs conform with Eclipse Quality Standards**
- **APIs have undergone serious re-factoring from commercial version as part of namespace change**
- **Organized around 3 groups**
 - **Infrastructure API (I-API): to create/edit Tigerstripe projects and resources**
 - **Model API (M-API): handle all model aspects, artifacts, scoping, etc.**
 - **Alignment with EMF core happening in parallel.**
 - **“Old flavor” still preferred supported until EMF migration complete**
 - **Annotation API (A-API): handle generic model/resource annotations**



Architectural Issues

- **Annotations framework**
 - Completely independent of other Tigerstripe Code, integration provided for IJavaElement and IResource.
 - Now integrated with GMF diagrams as well. Client simply need to provide custom “Adapter”
- **EMF**
 - Diagrams are EMF/GMF based but not core Model Manager.
 - Minimum progress on EMF migration of core, waiting for meta-model to fully stabilize (which should be the case by this release)
- **Buckminster integration**
 - Plugin currently hosted on Tigerstripe project CVS repository.



Tool Usability

Tigerstripe

- **Artifact Patterns to “skin” the meta-model**
 - UI decoration and custom actions controlled through ext. points.
- **Integration with Buckminster to materialize complex Tigerstripe models from repository automatically**
- **Overall improved support for model componentization and Tigerstripe module support.**



End-of-Life

Tigerstripe

- **No feature was end-of-lifed during this release**



Bugzilla

Tigerstripe

- **Current State**
 - **128 Bugzillas (including 48 Enhancements)**
 - **0 P1 & P2s**
- **Resolved bugs**
 - **74 Bugs (including 7 Enhancements)**



Standards

Tigerstripe

- **Tigerstripe requires Java1.5 or later and Eclipse 3.4.x**
- **UML2 import/export through use of UML2 component**



UI Usability

Tigerstripe

- **Follow User Interface Guidelines**
- **Complete integrated MDD environment**
 - **Modeling & scoping**
 - **Diagramming**
 - **Generation**

All from a single perspective
- **UI feedback from User Community inside TeleManagement Forum and Cisco-internal users**
 - **Implemented enhancements as suggested/reported by user community**



Schedule

Date	Build	Comment
2008-07-23	0.4M0	First milestone build for Ganymede
2008-09-05	0.4M1	Feature Complete
2008-09-19	0.4	Planned release date

0.4M1, and final release was delayed by 2 wks as a result of lower resources over summer.

Details at http://wiki.eclipse.org/Tigerstripe_0.4_stream



Communities

Tigerstripe

- **Active communication/monitoring of newsgroup, bugzilla.**
- **Submitted 2 talks for EclipseSummit**
 - **On Tigerstripe Annotation Framework (co-authored with Xored)**
 - **On Tigerstripe Workbench (intro to project)**
- **Active participation to TeleManagement Forum Technical Teams**
 - **Tigerstripe official choice for upcoming standards.**



IP Issues

Tigerstripe

- **Closely tracking IP issues**

- **IPLog up2date at**

<http://www.eclipse.org/tigerstripe/IPLog.php>

- **Project released under EPL**



Project Plan

Tigerstripe

- **0.4 Release stream published at**
http://wiki.eclipse.org/Tigerstripe_0.4_Stream
- **Next release: 0.5 (“Bora”) planned November, 2008**
- **Next release goals**
 - **Progress EMF migration**
 - **Backlog of Bugzillas**
 - **No major feature enhancement**