Archi - ArchiMate Modelling

What’s New in Archi
**Important Notice**

It's always a good idea to make backup copies of your data before installing and using a new version of Archi. Whilst we make every effort to test the software and check for bugs we cannot guarantee that bugs do not exist in the application nor that your data might be affected by changes in this version of Archi.
Version 3.3.2

New Features

- Added Viewpoint Filter and Direction modes to Visualiser
- Tag support for customisable reports - The "Customizable Report" (the default report) now allows you to put tags on views. These tags can then be used to generate a (sub)report containing only the views matching a selected tag. For a detailed description of supported report directives, look at the _READ_ME_ view in the "Customizable Report" model template.

Bug Fixes

- Fix Magic Connector not working on some Windows touch devices
- [HTML Report] Don't normalise filenames created from view IDs
- Don't allow diagram reference objects to be copied and pasted to different model when in container parent
- [CSV import] Check for invalid characters in Ids
Version 3.3.0

New Features

• Include The Open Group's ArchiMate Exchange plug-in

Bug Fixes

• Fix tree not refreshing when a derived relationship is created/undo
• Externalise some strings
Version 3.2.1

Bug Fixes

- Fix cheat sheet "Create a Map View" not adding identifiers

Version 3.2

New Features

- Improved HTML Report (created by Jean-Baptiste Sarrodie & Quentin Varquet)
- Model Validator
- Generate a View for selected ArchiMate Elements
- Add option to export CSV as ANSI or UTF-8

Bug Fixes

- Some allowed concepts have been removed/added in Viewpoints in line with ArchiMate 2.1 specification
- Fix CSV export adding newline at end of file
- Restore the 3-pixel margin in Note figures (regression)
- Allow "+" characters in parsed URLs
Review of some of the new features in version 3.2

HTML Reports

HTML reporting has been improved (thanks to Jean-Baptiste Sarrodie & Quentin Varquet) providing a navigable output:

![HTML Report Diagram]

Model Validator

The Validator offers advice and warnings on the integrity of an ArchiMate model. It can highlight the following issues:

- Empty Views (Views without diagram elements)
- Invalid Relations (possible if importing from another format)
- Invalid nested elements (visual nesting without a relationship)
- Unused elements and relations (not referenced in a View)
- Invalid elements in a viewpoint (elements that don’t belong in a viewpoint)
Generate a View for selected ArchiMate Elements

You can now generate a new diagram View from selected ArchiMate element(s). Selected ArchiMate element(s) then become the focus of a newly generated View. Any ArchiMate elements that are related to the selected elements are also added to the generated View together with any connections.

This feature allows you to quickly create a new View and Viewpoint specifically for one or more related ArchiMate elements.
Version 3.1.1

Bug Fixes

- [XML file] Save Group child figures' 'y' co-ordinate as a true value (+18 pixels)
- Remove "Export View As Image to Clipboard" option on Linux 64-bit version  (bug in Eclipse)
Version 3.1

New Features

- Export View As Image now uses the View's name as the default file name
- Export View as Image to PDF now uses the size of the image width and height
- Add "Collapse" and "Expand" contextual menu items to Model Tree
- Improvement in application response when there are many Model Tree nodes open
- Note figure borders can be set to "Dog Ear", "Rectangle" or "None"
- New Splash and About dialog
- Add Window->Editor menu items to toggle editor split horizontally or vertically
- New preference to optionally italicise unused elements in the Model Tree
- Add Alt+7 shortcut key for Hints window
- Use a safer method to save models to file (via a temp file)
- Stronger checking of model integrity when saving and loading
- Text fields filter out non-valid xml characters
- New preference to set word wrap style for text in ArchiMate figures to hard, soft or truncated
- New Help menu item "Reset to defaults" which will reset the application settings
- [Properties window] Can now drag and drop relations from the "Model Relations" table in the "Analysis" tab to a View
- [Properties window] Unused relations are shown in italics in the "Model Relations" table in the "Analysis" tab
- New "ArchiMate Concepts" template ("Basic" template has been removed)
- The Java version shipped with the Windows installer and Mac bundle is now version 1.7.0_71

Bug Fixes

- Fixed CSV export not encoded using UTF-8
- Fixed misplaced location of endpoints on Assignment connections
- Fixed connection anchors on Junction types
- Fixed expanded tree node state sometimes not restored when opening Model View
- Fixed Welcome window saving absolute URL to content
- Fixed possible slow shutdown if Model Tree is not open
- Fixed Search widget not remembering "Show All Folders" checked
- Added workaround for Search text field on Mac Yosemite rendering problems
- Fixed not showing correct arrow heads in Visualiser for Access Relations
- Fixed incorrect default Canvas image sizes from pre-3.0 files
- Fixed some menu items were enabled when they shouldn't be
Review of some of the new features in version 3.1

Export View As Image now uses the View's name as the default file name
When exporting a View as an Image, the View's name is used as the file name rather than a default file name.

Export View as Image to PDF now uses the size of the image width and height
When exporting a View and Image in PDF format, the size of the resulting PDF will be the same as the original Image.

Add "Collapse" and "Expand" contextual menus to Model Tree
You can now right-click on a model root or a folder in the Model Tree and select the "Collapse" or "Expand" contextual menu item to either collapse or expand the tree node and all of its sub-nodes.

Improvement in application response when there are many Model Tree nodes open
When there are many tree nodes open in the Models window, the application 's responsiveness is much faster. This is due to using a different algorithm to determine if elements and relations are unused in diagram Views (shown in italics).

Note figure borders can be set to "Dog Ear", "Rectangle" or "None"
You can now set the border appearance of Notes in diagrams.

New splash screen and "About" dialog
Some new branding and easier access to the system configuration details.
Add Window->Editor menu items to toggle editor split horizontally or vertically

With the new Window->Editor menu items, "Toggle Split Horizontal" and "Toggle Split Vertical" you can split a diagram View in order to work on two different parts of the same diagram. *(Note - there is a bug in Eclipse where closing a split diagram View in a model that needs saving will present a dialog box asking you to "Save Parts". If this occurs, click "OK" to dismiss the dialog. This will not affect anything).*
**New preference to optionally italicise unused elements in the Model Tree**

There is now a preference to not italicise unused elements and relations in the Model Tree. This can improve performance when working with large models with many tree nodes open.

**Use a safer method to save models to file (via a temp file)**

Archi now uses a safer method to save models, saving to a temporary file first. This ensures that if an error occurs when saving, the original model file is untouched.

**Stronger checking of model integrity when saving and loading**

Archi now uses a stronger method of checking the integrity of models when they are loaded from file and saved to file.

**Text fields filter out non-valid XML characters**

It was possible to copy and paste non-valid characters into text fields which could corrupt a model when saving to XML. This is no longer the case as these illegal characters are now filtered out when pasting or adding text.

**New preference to set word wrap style for text in ArchiMate figures to hard, soft or truncated**

There is now a preference (Diagram -> Appearance) to set the style of word wrap in an ArchiMate figure:
Hard:

Business and Information Project

Soft:

Business Transformation Project

Truncated:

Business Transform... Project
Version 3

New Features

- Built on Eclipse 4.4 with new look and feel
- Can set theme for look and feel in preferences
- The Magic Connector can now create connections in both directions (source->target and target->source)
- The Magic Connector’s menu items are now written as relationship phrases (e.g. "Realised by")
- Export to CSV now exports three CSV files - elements, relations and properties
- Import new and changed data from CSV files
- New Find/Replace functionality
- Views can now be exported in PDF format (embedded SVG)
- ArchiMate, Sketch and Canvas Model Reference figures now use scalable icons
- View Reference figure names are now editable (rename referenced View)
- New preference to show or hide Status bar
- New preference to set default width and height for new ArchiMate elements
- The "Select All" action in Diagram Views now selects all elements and connections
- The "Select All" action is enabled on the Model Tree, Visualiser and Navigator
- Figure icons are grey when figure disabled (when the element is not part of a Viewpoint)
- The Jasper Reports export wizard dialog now remembers the last settings when Archi is closed
- The Mac version of Archi is now bundled with Java version 1.7.0_67
- The Java version shipped with the Windows installer is now version 1.7.0_67
- Uses Jasper Reports version 5.6.0
- Jasper Reports - Can set location of user templates folder in Preferences
- Assignment connection endpoints are improved
- Default figure width and height are now saved in the *.archimate file as values
- Added new Zoom command "Actual Size"

Bug Fixes

- Some relationship rules fixed
- Connection bendpoints - snap to grid now snaps to nearest grid point
- Fixed Full Screen Mode not hiding application Shell on Linux
- Fixed HTML Report not generated if documentation text included a hyperlink with regex character
- Fixed cannot open archive type model file (Canvas with images) if "#" character in file name
- Fixed main line colour menu item enabled when line colour derived from fill colour
Review of some of the new features in version 3

Built on Eclipse 4.4 with new look and feel

Archi is now built on the latest version of Eclipse’s Rich Client Platform 4.4. This future-proofs the development of Archi and also provides the means for improved windowing and user interface elements based on CSS rendering. UI look and feel themes are supported.

Can set theme for look and feel in preferences

You can now set the application UI theme in preferences. Themes depend on the operating system. Archi 3 ships with default themes as used by Eclipse 4 itself. Future versions of Archi may ship with additional themes.
Magic Connector

The Magic Connector is now bi-directional and uses more intelligent phrasing in the popup menu.

Import and Export to CSV files

You can import and export a model’s data to CSV format (Comma Separated Values). The data is exported in three different files - "elements.csv", "relations.csv" and "properties.csv".
New Find/Replace functionality

Find and Replace functionality based on element names has now been implemented in the Models Tree and in Views.

New preference to set default width and height for new ArchiMate elements

You can now set default width and height for newly created ArchiMate elements.