

## Excel Software Ships MacA&D 5.1 & MacTranslator 4.1 for Software Design

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Excel Software announces major enhancements to MacA&D for software design and requirements management. The companion MacTranslator tool generates design models from source code for procedural, object-oriented and SQL languages. Both are now 64-bit apps delivered by a 64-bit, Code Signed installer enhanced for use on macOS Mohave. These tools support almost all popular software design methods and notations.

Henderson, Nevada - Excel Software released major enhancements to MacA&D for software design and requirements management. The companion MacTranslator tool generates design models from source code for procedural, object-oriented and SQL languages. Both tools are now 64-bit macOS applications delivered by a 64-bit, Code Signed installer enhanced for use on macOS Mohave.

MacA&D 5.1 supports flow charts, the full 14-diagram UML notation for object-oriented design, structured analysis & design, data models, Business Process Models (BPMN), screen prototypes, system models with simulation, Pert charts and real-time, multi-task design. The integrated environment includes data dictionary, requirements management, code generation, reengineering, design namespaces and scriptable reports.

MacA&D includes model editors for process, data, class, state, screen, structure, object and task models. All model editors support multiple diagram levels, table of contents, multiple diagram notations, configurable color schemes, scaling, rich customization and navigational features plus extensive verification and balancing reports of information flow and consistency between diagrams.

MacTranslator 4.1 scans source code to extract design information into text files that are imported into MacA&D. The entire process from textual code to graphic design is fully automated.

When a developer selects the code folders, language and options, MacTranslator generates a project file of commands to extract the design information. That data is imported into MacA&D to populate the data dictionary and generate a stack of diagrams that reflect the code structure. Selectable features control code organization into diagrams, presentation options or identification of execution threads for representation on separate diagrams.

Together MacA&D and MacTranslator support design, code generation and reengineering for most popular programming languages:

- \* UML Class Models to and from Xojo, Swift, C, Objective-C, PHP, Java or Delphi
- \* Rich Data Models to and from SQL Schema with Indexes, Triggers, Primary and Foreign Keys
- \* Structure Charts to and from procedural C, Pascal, Basic, PHP or Fortran

With 30 years of continuous development and real-world experience by thousands of developers, MacA&D and MacTranslator support almost all popular design methods and notations. These tools are used for desktop, mainframe, embedded, mobile and web applications.

MacA&D 5.1 and MacTranslator 4.1 run on macOS 10.10 or newer computers. Both tools are available in Single User and Site License editions. MacA&D is scalable from a single user to a large development team with capabilities like design namespaces, powerful import and export features and multi-user team documents.

MacA&D comes in a Standard edition at \$395, Desktop edition at \$595 and Developer edition

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at \$995. Each product includes 4 manuals, the Setup & Tutorials, Modeling Guide, User Guide and Code & Reports Guide. MacTranslator at \$495 includes a User Guide with tutorials. Online resources include white papers and demonstration videos.

Excel Software:

<http://www.excelsoftware.com>

MacA&D 5.1:

<http://www.excelsoftware.com/maca&dproducts>

Purchase MacA&D:

<http://www.excelsoftware.com/priceandordering>

Screenshot:

<http://www.excelsoftware.com/image/maca&d3screen.jpg>

App Icon:

[http://www.excelsoftware.com/image/a&d\\_icon\\_128x128.gif](http://www.excelsoftware.com/image/a&d_icon_128x128.gif)

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