



Prophet Advanced Developer Toolkit

The iWorks Prophet Advanced Developer Toolkit will help your users unlock the potential of Prophet systems. The toolkit allows your organisation to have more time to analyse results and focus on the critical aspects of your business processes, as well as enabling your teams to become more effective.

What's in the Toolkit?

The first Release of iWorks Prophet Advanced Developer Toolkit is comprised of three modules that are designed to help customers design, build and test products (Prophet Debugger), move the products into production by automating Prophet runs and automatically validating them to ensure that results are correct (Prophet QA) and automate the use of Prophet or support the creation of new user interfaces for Prophet models for different types of end users (Prophet API).

Features

iWorks Prophet Debugger Module

The iWorks Prophet Debugger module now allows the debugger to be used by all Prophet users at a particular customer site.

Users can step through Prophet calculations as they are performed and watch how the values of variables change.

- Step through code line by line or variable by variable
- Easily see the values of variables at any point in the calculations
- Pause or jump to specific parts of the model
- Stop automatically when model errors occur allowing easy analysis of the cause
- Works with your code not the generated C++ code

iWorks Prophet QA Module

The iWorks Prophet QA Module is designed to streamline the regression testing of new library code and system updates before going into a production environment.

The module is a fully built out results comparison tool that has a high level of integration with Prophet.

- Direct access to many model components, such as run structures and settings
- Run multiple pairings from multiple workspaces and compare against master results
- Allowable differences can be specified as an absolute amount or as a percentage
- Exclude specified variables, time periods and simulations from result checks
- Easy to learn with a simple User Interface
- A variety of result reports produced
- Audit trails of every test ever performed

Test	Run	Start	Finish	Time	Compare	Start	Finish	Time
Example Model Office.Exam	Complete	08:50:26	08:51:02	00:00:35.188	Failed	08:51:02	08:54:49	00:03:4
Example Model Office.Exam	Complete	08:54:49	08:54:53	00:00:03.562	Succeeded	08:54:53	08:55:18	00:00:2
Example Model Office.Exam	Failed	08:55:18	08:55:20	00:00:01.641	Skipped			
Example Model Office.Exam	Complete	08:55:20	08:55:21	00:00:01.406	Failed	08:55:21	08:55:24	00:00:0
Example Model Office.Exam	Complete	08:55:24	08:56:13	00:00:48.453	Failed	08:56:13	08:56:15	00:00:0
Total	Failed			00:01:30.250	Failed			00:04:1

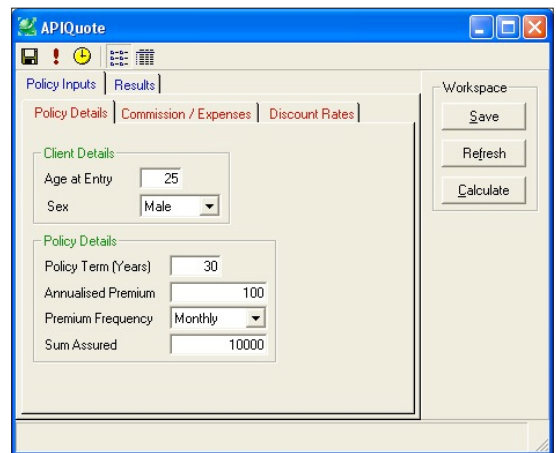
iWorks Prophet API Module

The iWorks Prophet API Module allows external programs to access parts of Prophet models and start Prophet runs.

- Write bespoke applications around Prophet to allow you to control how much and what is visible to users
- Automate routine manual tasks with ease-saving valuable resources and reducing risk
- Standard examples with source code are included, together with comprehensive documentation
- Applications that use the Prophet API can be written in any Windows programming language, such as Microsoft Visual Basic, VBA, C++ or Delphi.

Benefits:

- Reduced operational risks
- Time and cost savings
- Reduce model development to allow greater transparency
- Automate manual processes and allow users with no Prophet experience to interrogate and probe models



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