

OUR PRODUCTS

ABACUS® is a powerful tool for modelling, understanding, and analysing complex enterprises across people, process and technology. Using world leading, patented technology, ABACUS® analyses the trade-offs between multiple architectures and helps enterprises achieve the optimal roadmap prior to investment.

ABACUS® is a flexible modelling tool that predicts the benefits, effectiveness and cost of alternative strategies. This is achieved through:

- Analysing an enterprise using metrics such as total cost of ownership, performance and reliability, and performing sophisticated trade-off analysis for guided decision making;

Request an
ABACUS® trial



How can we help?

Talk to one of our friendly staff today.

Take the
ABACUS® tour



TALK TO A CONSULTANT

Avolution has the answers for those questions which are too painful to ask. Simply fill out the form below.

Email address:

Your question:

Enquire Now 



DID YOU KNOW?

We have hundreds of members who each day discuss, share and learn about the latest trends in the industry.

- Uniting various levels of a complex enterprise into an integrated, hierarchical, single point of truth; and

- The communication of an enterprise model and analysis using graphs, two dimensional pictures and advanced three dimensional visualisations.

For a list of the benefits of ABACUS® click [here](#).

Answers to many Frequently Asked Questions (FAQs) on ABACUS can be found in the Avolution Community [here](#).



ABACUS STANDARD

The Standard Edition is a low-cost entry level solution providing market-leading flexibility, modelling, documentation and analysis for individual users and departments. ABACUS® Standard works in either a stand-alone mode or as a client collaborating with other clients via a shared server as part of [ABACUS® Enterprise Edition](#).

Download a datasheet for ABACUS Standard [here](#).

Download a high-resolution video walk-thru of ABACUS Standard [here](#).

ABACUS PROFESSIONAL

The Professional Add-On provides a more sophisticated solution than [ABACUS® Standard](#) for advanced users who are skilled in the art of what-if, scenario and trade-off analysis. The ABACUS® Professional Add-On provides a host of in-built evaluators (not just Performance) to provide a revolutionary whole of business (e.g. Process, People and Technology) change management solution. Total cost to own (TCO), performance, reliability, agility and many, many more metrics can be calculated using formulaic, discrete-event and Monte-Carlo techniques. ABACUS® Professional is provided as an add-on to [ABACUS® Standard](#).

Download a datasheet for ABACUS Professional [here](#).

Download a high-resolution video walk-thru of ABACUS Professional [here](#).

ABACUS DESIGNER

The Designer Add-on provides the end-user with the ability through simple 'right-clicks' and 'drag-and-drops' in the standard User Interface (UI) to design new, or modify existing (i.e. [TOGAF](#), [Zachman](#), [DODAF](#) etc) ABACUS libraries to tailor a unique and re-usable framework for all users. ABACUS® Designer is provided as an add-on to [ABACUS® Standard](#).

Other tools have an archaic Relational Database Management System (RDBMS) back-end resulting in an extremely "rigid" meta-model with an inherent inability to add new meta-model types. They simply have a table for each object (i.e. Component) and relation (i.e. Connection) type with a fixed set of columns for properties. When you inevitably want to add a new object or relation type, then a DBA has to hack in to the back-end and either rename a spare table or add a new one! When you inevitably want a new property, again the DBA has to either rename a spare one or create a new one. Accordingly, you will effectively be locked in to their one-and-only meta-model and an expensive consulting contract to make any changes.

ABACUS on the other hand is built on top of a completely open and flexible XML-based hierarchical repository. Quite simply, no other tool in this market comes close to the end-user flexibility offered by ABACUS® Designer. New libraries, frameworks, ontologies and meta-models can be created literally in minutes all through simple and intuitive 'right-clicks' and 'drag-and-drops' in the [ABACUS® Standard](#) UI.

Download a datasheet for ABACUS Designer [here](#).

ABACUS ENTERPRISE EDITION

The Enterprise Edition provides the ability for any number of users to concurrently collaborate on any number of shared repositories. Built on top of a modern and freely available Concurrent Versioning System (CVS) approach (i.e. Subversion), ABACUS® Enterprise Edition allows for truly distributed collaboration and avoids the 'lock-and-block' and 'live-connect' issues typical of other RDBMS solutions.

ABACUS' collaborative solution has been demonstrated through thousands of deployments to scale to thousands of clients sharing a geographically distributed repository. Furthermore, because Enterprise Edition works in a truly collaborative mode whereby users only need to connect to the enterprise server to synchronise their local copy with the server repository (resolving any conflicts as they occur), users don't need to be always connected to the server, i.e. working 'offline' for the majority of the time. Not only does this encourage flexible working and minimise network traffic, there are no physical or performance limitations on the number of user clients that can work collaboratively with ABACUS.

ABACUS Enterprise Edition is a revolutionary approach to collaboration and unlike anything that has ever been implemented in this space before. It is true collaboration, not 'lock-and-block' and 'live connect' like all the other tools. It is the future.

Download a datasheet for ABACUS Enterprise Edition [here](#).

ABACUS PUBLISHER

The Publisher Add-on provides a way to publish entire models to a secure website including any 2D diagrams, 3D visualisations, metrics, charts and reports. ABACUS® Publisher is provided as an add-on to [ABACUS® Standard](#).

Download a datasheet for ABACUS Publisher [here](#).

ABACUS 3D VIEWER

The 3D Viewer is a stand-alone viewer for opening and browsing ABACUS 3D views that have been exported from ABACUS® Standard or published using [ABACUS® Publisher](#). ABACUS® 3D Viewer is freely available and may be downloaded from [here](#) (2Mb). *(Please note: If you get an error message when trying to run the ABACUS 3D Viewer then please see the note below).*

An example 3D fly-thru is available from Avolution's YouTube channel [here](#).

(Please note: If you get an error dialog with the message "ABACUS 3D has encountered a problem and needs to close" or something similar then it is most likely that you need to install the appropriate Microsoft .Net Framework and/or Microsoft DirectX. The necessary .Net Framework (22Mb) and DirectX (53Mb) are freely available and can be downloaded from [here](#) and [here](#), respectively).

Download a sample 3D view of a **4-level Enterprise** model from [here](#).

Download a sample 3D view of a **Software Architecture** model from [here](#).

Download a sample 3D view of an **ITIL customer-centric** model from [here](#).

Download a sample 3D view of an **ArchiMate** model from [here](#).

Download a sample 3D view of a **TOGAF 8.1** model from [here](#).

Download a sample 3D view of a **Capgemini IAF 4** model from [here](#).

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