IBM Rational
System Architect

The Next Generation of Enterprise Architecture Is Here

Highlights

- Enables you to build artifacts that represent the architecture across the business, data, application, and technology domains

- Provides the ability to baseline the current architecture, build target architectures, and identify gaps to support business transformation

- Offers rich reporting and analytical features, including visual reporting and impact analysis to support decision-making

- Helps you evaluate the architecture of your systems and conduct capability analysis planning over time

- Supports multiple modeling standards in one repository to address your enterprise

- Support for latest industry standard frameworks such as DoDAF, MODAF, NAF, TOGAF, Archimate, and others

- Support for industry standard patterns such as TMForum Frameworx & FEAF 2

IBM® Rational® System Architect is an enterprise architecture tool that enables you to construct and automatically generate data-driven views of your organization's strategy, business model, data, application landscape, and supporting technologies and infrastructure. Together, these form a mosaic that delivers the insight and analytics necessary to describe current and future states of the enterprise along with interdependencies, risks, life cycles, and standards. Capturing knowledge of all enterprise domains in a single platform gives you the end-to-end views and line-of-sight analysis needed to architect changes to the organization such as those driven by new capabilities, leveraging new technologies and other business drivers.

Empowered with this knowledge, executives, decision makers, and managers can better plan initiatives for improvement, due to their more thorough understanding of the organizational structures, portfolio of business strategies, processes, information flow, applications, and technology infrastructure. They gain visibility of planned initiatives from the business through operations (BizOps) through solution architecture development, release management, and deployment (DevOps).

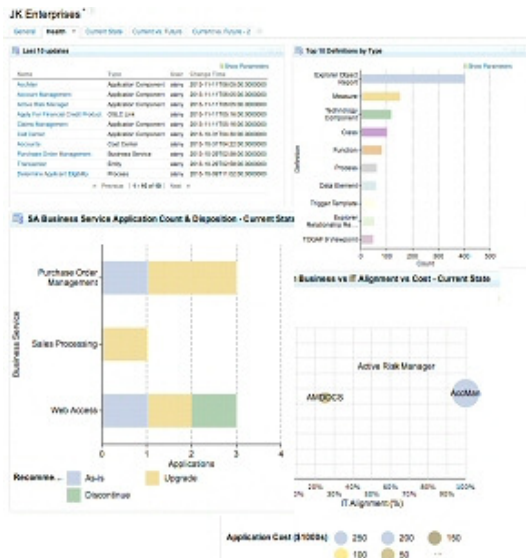Some of the things you can do with System Architect are:
- Engineer solutions that support needed business capabilities
- Steer Continuous Business Planning
- Take advantage of disruptive technologies
- Support business transformation
- Plan migration to the cloud

SA Design Manager = EA and the Semantic Web

The new SA Design Manager provides a web portal that utilizes semantic web technology to produce dashboards of EA information mashed up and integrated with relevant information from other tools and sources of record. The EA is output to Resource Description Framework (RDF) triplestore format, and queried with SPARQL reports published to open social gadget containers in an IBM Jazz web interface.

Executives can view dashboards that 'connect the dots' of the enterprise -- with architecture information seamlessly connected to non-architectural information such as costs, budgeting, bandwidth, and priorities. The end viewer sees the combined results -- and can drill in to view (and edit) the sources. Data can be connected by semantic inference or specific links created using Open Services for Lifecycle Collaboration (OSLC) standards.

SA Design Manager also enables workflow and approvals as teams share the architecture, and sketched models on the web.

SA Design Manager's mashup dashboards reflect SPARQL queries of RDF data from System Architect and other tools

DoDAF, MODAF, NAF

System Architect is a widely used solution for defense architecture frameworks for US Dept of Defense (DoDAF 2), UK Ministry of Defence (MODAF 1.2), and NATO (NAF 3). SA's data-centric support for all views of DoDAF 2 provides ease of use in building and analyzing the architecture. Automation allows generation of inferred views, fit-for-purpose views, and work products.

FEAF

System Architect supports the Federal Enterprise Architecture Framework (FEAF) -- and became the first tool to support FEAF 2 -- which assists U.S. Government departments and agencies in incorporating and using the U.S. Office of Management and Budget (OMB) Reference Models to validate investments.

TOGAF®, Archimate®, Roadmapping

System Architect's TOGAF 9.1-certified support for The Open Group Architecture Framework (TOGAF®) is widely used in the commercial industry for capturing, analyzing, and architecting all aspects of corporate EA. You can also choose Archimate 2.1-certified support, another industry standard for EA. Establish timelines of any EA artifact via a roadmapping solution.

Benefits of System Architect

IBM Rational System Architect provides:

- Real-time, multi-user repository with industry-standard database underneath
- Metamodel easily customizable to great depth & breadth
- Reports and analytics built on the fly with easy-to-use reporting engine
- Workspaces to build architecture in layers -- baseline & future state architectures and solution architectures
- Automatic visualization of Cause-Effect & Landscape Heatmap Explorer diagrams
- Support for latest industry standard frameworks and patterns
- SA Publisher add-on to publish architecture to web
- SA XT thin-client for viewing/editing live architecture on web
- New SA Design Manager for executive dashboards utilizing semantic web

For More Information

To learn more about the IBM Rational System Architect, contact your IBM representative or IBM Business Partner, or visit the following website: **ibm.com**/software/awdtools/systemarchitect/