System Architect®

DoDAF 2.0 for an Information Advantage

UNICOM System Architect® (SA), the widely used Department of Defense Architecture Framework (DoDAF) tool, supports DoDAF 2.0 and provides features and integrations that enable you to get an effective return on investment (ROI) from your architecture, including analysis, analytics, heatmaps, business intelligence dashboards, and web access.

Compliant, Data Centric Support for DM2
With DoDAF 2, the model is king -- System Architect’s data centric approach enables you to enter information and relationships amongst architecture elements through diagrams, definitions, or matrices, and view the result in any of those mediums. With the data centric approach, you can quickly build viewpoints from sources of record -- import a csv spreadsheet of information, drop architecture elements onto a diagram workspace with relationships auto-drawn. Easily navigate the architecture to see what parts of the architecture reference other parts. System Architect provides precise, data centric support for all viewpoints of the DoDAF 2:

- All Viewpoints (AV’s)
- Capability Viewpoints (CV’s)
- Operational Viewpoints (OV’s)
- System Viewpoints (SV’s)
- Services Viewpoints (SvcV’s)
- Data Information Viewpoints (DIV’s)
- Standards Viewpoints (StdV’s)
- Project Viewpoints (PV’s)

Support for Fit-for-Purpose Views
Build new views to show specific sets of information. System Architect is perhaps the most customizable tool on the market -- you can customize the repository's metamodel to great depth and breadth, adding new diagram types, definition types, relationship types, symbol types, and rules. Data centric behavior and inheritance is built into the metamodel language. Use a metamodel GUI to build and maintain new fit-for-purpose views.

Powerful, Easy Cause-Effect Analysis
System Architect’s Explorer diagram allows you to easily build queries that are visualized on a spider diagram to see what is related to what -- not just directly but also indirectly. Get a 50,000-foot view of the architecture -- see who does what activities utilizing what systems at what locations, or cut to the chase and show who utilizes what systems, leaving out the joining information.
Automatic Generation
System Architect provides intelligent, automatic generation of Operational Exchanges, Needlines, System Exchanges, and System Resource Flows from inferred information in the architecture. You can maintain automatic generation and/or manually add such relationships to the architecture, working in a mixed automatic and manual mode.

Landscape and Heat Map Analysis
The System Architect Explorer diagram can be visualized in landscape style, where relationships are visualized by automatically placing architecture artefacts within the box of related architecture artefacts. This box-in-box approach allows you to easily see, for example, Capabilities performed at Locations (not showing the navigated Activities or Systems). You can quickly build a landscape of any combination of architectural relationships.

Then run analytic algorithms to color or iconize the symbols in the landscape to show information -- for example, coloring red the Locations in the architecture that do not have a disaster recovery plan in place.

Alternative Solution Analysis
System Architect provides Workspace functionality that allows you to baseline your architecture, and build a to-be layer on top of that baseline. Or you can use Workspaces to create multiple side-by-side to-be layers to build alternative architecture solutions on top of the baseline. Compare alternative solutions, selectively merge/extract information amongst Workspaces, and then choose one to specify as the new baseline moving forward.

Publish the Architecture
SA/Publisher is an add-on product that enables you publish a static snapshot of your architecture for wide viewing. The website is based on the running of SQL-like report queries against the repository. This enables you to gain tremendous return on investment of your architecture, serving it up to a wide audience to answers questions for different viewers and viewpoints, depending on their navigation through the web portal.

Web Client
SA/XT (for eXtended Team) is a thin-browser sister product of System Architect. Both can be used by stakeholders at the same time to interface into the multi-user repository. SA/XT is near zero-footprint technology that enables you to dial into the architecture to view it, add to it, alter it, or analyze it from any computer on the web as long as you have internet connection and proper credentials. Like with SA/Publisher, your architecture is exposed to a wide audience -- but with SA/XT your team is viewing or altering the live architecture.

OSLC Integrations
System Architect is the cornerstone of an Enterprise Architecture strategy, empowering organizations to expand the value of EA to a broader set of stakeholders and projects within the organization. System Architect is a central piece of an interconnected eco-system that includes portfolio management, solution design, asset management, governance, requirements management, operations management, business process modeling, business intelligence, service management, and change management, all of which are key to driving value. Integrations amongst these tools are now provided via Open Services for Lifecycle Collaboration (OSLC) technology.

For More Information
To learn more about UNICOM System Architect®, contact your UNICOM representative or UNICOM Business Partner, or visit the product website:
www.unicomsi.com/products/system-architect/

© Copyright UNICOM Systems
15335 San Fernando Mission Blvd, Mission Hills, CA 91345; Produced in the United States of America

January 2016. All rights reserved. UNICOM Systems and the UNICOM Systems logo are trademarks of UNICOM® Global. All other brands, product names, trade names, trademarks and service marks used herein are the property of their respective owners.