UNICOM Systems, Inc.
A Division of UNICOM Global

System Architect®

DoDAF 2.0 for an Information Advantage

Highlights

- **DoDAF 2:** *System Architect, the most widely used DoDAF tool, has compliant, data centric support for all viewpoints of DoDAF 2 and its DM2 metamodel.*

- **Powerful Reporting and Analysis:** *Helps you evaluate architectures across multiple systems and perform capability analysis planning.*

- **Cause-Effect and Heatmap Analysis**: *Provides Explorer-type visual impact analysis and analytics for accurate analysis and planning.*

- **OSLC Integrations:** *Supports latest-technology OSLC integrations to decision analysis tools such as UNICOM Focal Point, requirements tools such as IBM DOORS Next Gen, and other tools in the lifecycle, enabling traceability and a federated view of information, and high return on investment (ROI) of your architecture.*

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.

UNICOM System Architect enables you to build operational and system architectures using the DoDAF 2 standard.

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/