erwin by Quest is a Leader in 2022 SPARK Matrix: Enterprise Architecture (EA) Tools

Quadrant
Knowledge Solutions

2022
SPARK MATRIX
LEADER

Enterprise Architecture
(EA) Tools, 2022

erwin by Quest named a Leader in SPARK Matrix: Enterprise Architecture (EA) Tools, 2022

Quadrant Knowledge Solutions defines Enterprise Architecture (EA) tools as "a set of applications or a platform that assists organizations in strategically driven planning, analysis, design, execution, and implementation of business strategies across different operating domains such as IT, technology, and business." They also align business processes with information systems and IT Infrastructures to support strategic and tactical decision-making and provide complete IT transparency with enhanced usability and collaboration across the organizational departments.

EA tools identify the impact of change on business, technology, data, and application architecture by capturing interdependencies and relationships between processes, products, data, people, frameworks, functional capabilities, and others to create and deliver value. Enterprise Architecture Tools ensure rationalizing of application portfolios, robust data privacy and governance policies, development of agile architecture, architectural modeling, and optimizing business operations for executing business objectives, vision, and strategy, as well as mitigation of technology risks. Additionally, EA tools manage emerging technologies to support the organization's use of data, analytics, and artificial intelligence for monitoring, execution, and management of digital-driven business investments.

While Enterprise Architecture (EA) remains a key discipline essential for building disruption-proof business outcomes, recent factors such as accelerated digitization have led organizations to realize the need to extend the philosophy to the entire business and not just to the IT infrastructure, to ensure that the businesses are aligned with the digital transformation strategies and technological growth. EA mainly focuses on bringing legacy processes and applications together to form a seamless environment for businesses to achieve their desired goals. Enterprise architecture tools helps organizations lay out how information, business, and technology flow together to provide a comprehensive view of the inter-relationships within the organizational IT and business processes.

Additionally, EA tools also provides a roadmap for the progression of the IT landscape from its current state to the desired state, along with the transitional states in between. EA tools also aids in the standardization of processes and applications, resulting in greater stability. These standardized processes increase

operational efficiency while lowering potential future risks. Therefore, organizations are using EA platforms to standardize and arrange IT infrastructure in a way that supports operational objectives and also assist in the modernization, growth, and transformation of organizational IT departments.

EA tools is also emerging as an effective tool for holding an architecture repository as well as a platform to generate, manage, and share architecture because of its pragmatic modeling approach. In addition, EA Tool vendors are continuing to strengthen their capabilities by leveraging cutting-edge technologies such as out-of-the-box data modeling and reporting, intuitive UI, advanced visualization, advanced analytics, multi-discipline team collaboration, robust data quality, and governance, amongst others. The EA tool vendors are also making significant investments in incorporating artificial intelligence (AI) and machine learning technologies to provide NLP and NLQ-driven assistant bots, AI-powered intelligent insights and user experience, and such others. Vendors are using AI and deep learning in the relevant context of the architecture in various fields of application, including image recognition, linguistic translation, transformation of models, natural language processing, data normalization, metadata and recognition of business patterns, risk analysis, and others.

EA tool vendors are also focusing on expanding their technology partner ecosystem to offer seamless integration and interoperability with a wide range of third-party applications. The vendors are also offering technology differentiators, including enterprise-level access controls such as asset and role-based access controls, LDAP integration, IP address restriction, single sign-on, ease of integration (APIs/GraphQL, discovery, connectors), content-driven dynamic visualizations, integrated connected knowledge, and tighter integrations with agile and collaborative tools (Jira, Confluence, Teams, GitLab), amongst others. Moving forward, vendors would actively work towards providing further maturity within their artificial intelligence offerings for implementing continuous transformation strategies for organizations in line with adapting to the newer regulations, customer expectations, technologies, and others.

The research includes detailed competition analysis and vendor evaluation with the proprietary SPARK Matrix analysis. SPARK Matrix includes ranking and positioning of leading enterprise architecture tools vendors with a global impact. This study includes an analysis of key vendors, including Ardoq, Avolution, Bee360, BiZZdesign, BOC Group, Capsifi, Enterprise Architecture Solutions, erwin by Quest, LeanIX, MEGA International, Orbus Software, Planview, Qualiware, Software AG, Unicom Systems, and ValueBlue.
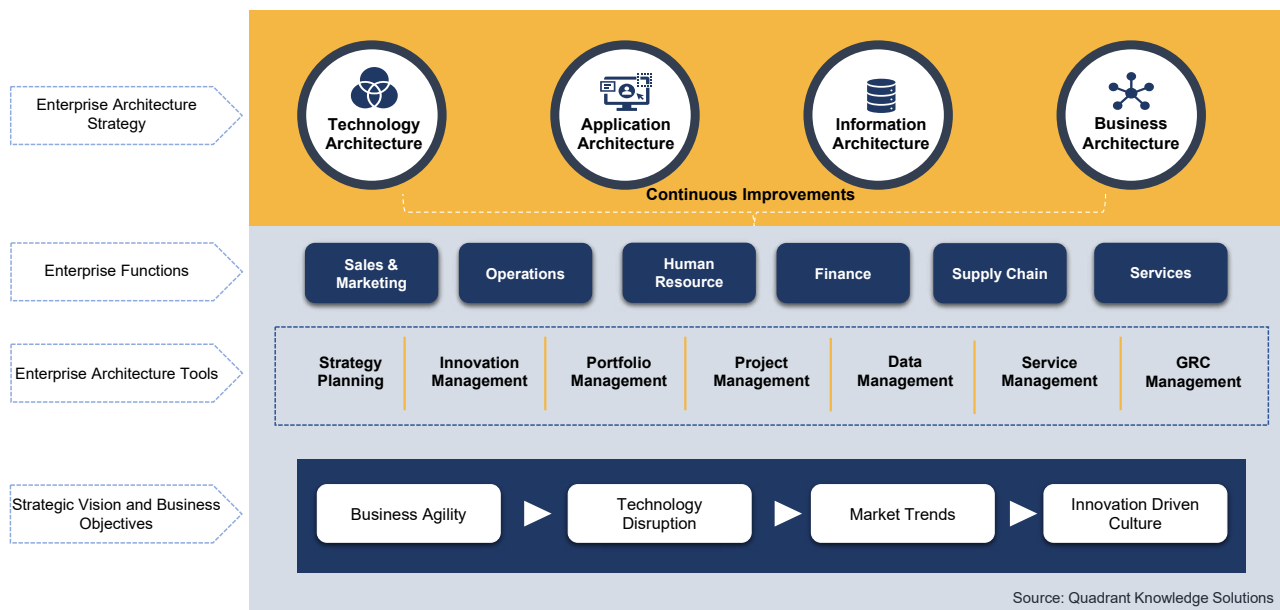
Technology Trends

The following are the key technology drivers as per Quadrant Knowledge Solutions' of Enterprise Architecture (EA) Tools strategic research:

- Enterprise Architecture (EA) tools vendors have democratized EA by providing a persona-driven user interface and modeling content across teams through sharing of information between semi-autonomous and de-centralized lines of business and enhanced website management. Democratization of EA is also pushing the responsibility for collection and maintenance of critical information out to individual teams, which reduces cost and increases efficiency.

- Vendors are focusing on embedding data intelligence into enterprise architecture tools to enable a better understanding of data and ensure its secure handling throughout the organization.

- Enterprise architecture tools vendors are continuously working towards integrating agile practices and management capabilities into their products to reduce the risks associated with larger projects and ensure continual and effective change.

- EA vendors are integrating SaaS optimization strategies with their application portfolio offerings to provide complete visibility into application and control within the organization. Organizations are embedding SaaS optimization features in their APM module and expanding the usage of application portfolio management into the areas of IT procurement, IT security, and IT management. SaaS management, integrated with APM, helps organizations understand their usage of applications and drop the unused applications to reduce cost and build a management layer on the SaaS stack for using enhanced business services and capabilities.

- Organizations are focusing on improving digital customer and employee experience by adding no-code and low-code capabilities to support citizen development.

- Vendors are focusing on expanding application chaining to support the federation of virtualized content across multiple systems in the ecosystem to enable a coherent architecture across discrete systems.

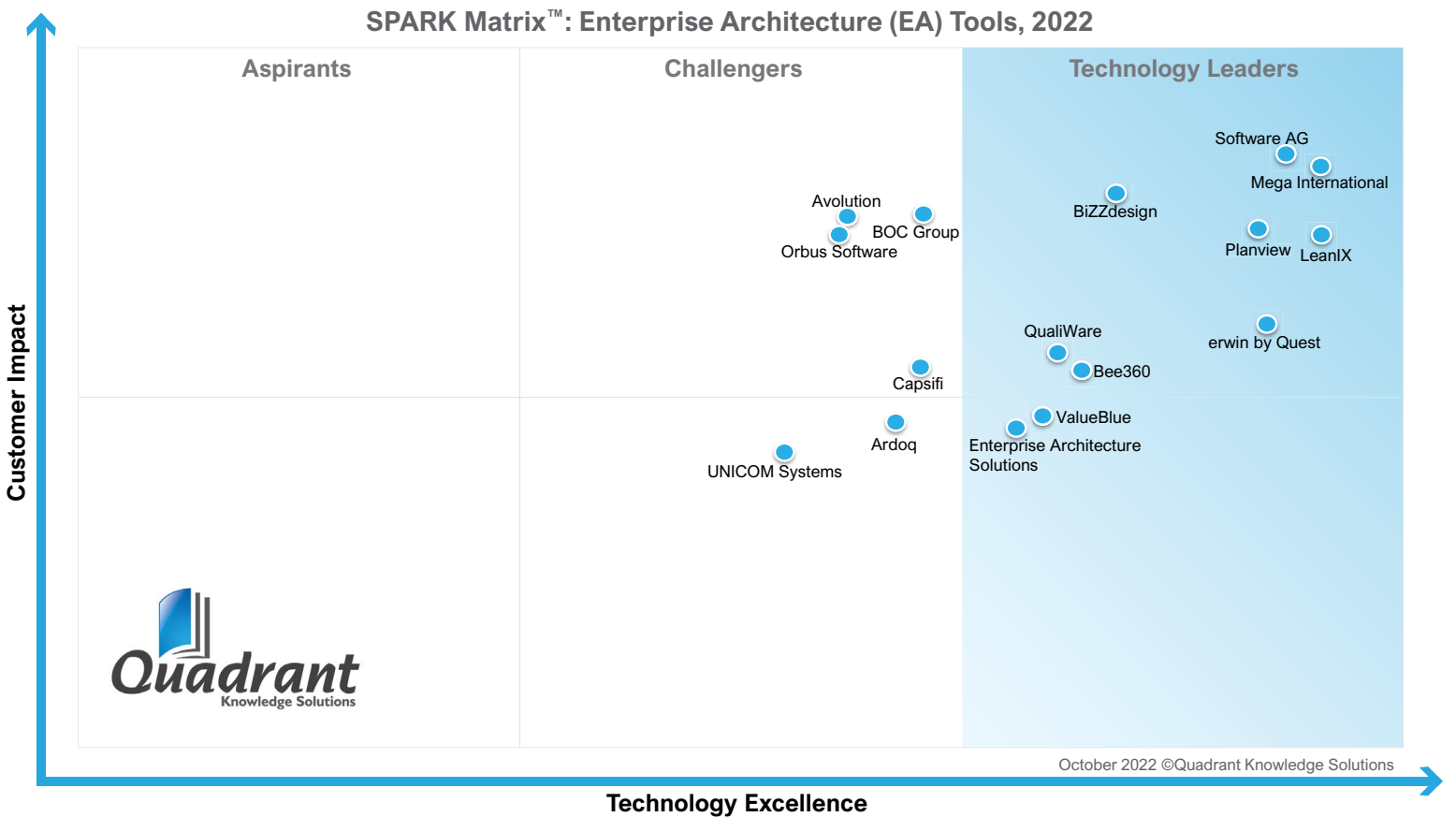**Figure: Enterprise Architecture Planning to Realize Strategic Vision and Business Objectives**

Source: Quadrant Knowledge Solutions

SPARK Matrix Analysis of the Enterprise Architecture (EA) Tools Market

Quadrant Knowledge Solutions conducted an in-depth analysis of the major Enterprise Architecture (EA) Tools vendors by evaluating their product portfolio, market presence, and customer value proposition. Enterprise Architecture (EA) Tools market outlook provides competitive analysis and a ranking of the leading vendors in the form of a proprietary SPARK Matrix™. SPARK Matrix analysis offers a snapshot of key market participants and a visual representation of market participants. It offers strategic insights on how each vendor ranks related to their competitors based on their respective technology excellence and customer impact parameters. The evaluation is based on primary research, including expert interviews, analysis of use cases, and Quadrant's internal analysis of the overall enterprise architecture tools market.

Technology Excellence	Weightage
Sophistication of Technology	20%
Competitive Differentiation Strategy	20%
Application Diversity	15%
Scalability	15%
Integration & Interoperability	15%
Vision & Roadmap	15%

Customer Impact	Weightage
Product Strategy & Performance	20%
Market Presence	20%
Proven Record	15%
Ease of Deployment & Use	15%
Customer Service Excellence	15%
Unique Value Proposition	15%

According to the SPARK Matrix analysis of the global Enterprise Architecture (EA) market, "erwin by Quest, with its unique enterprise-grade Enterprise Architecture Tools, has secured strong ratings across the performance parameters of technology excellence and customer impact and has been positioned amongst the technology leaders in the 2022 SPARK Matrix of the Enterprise Architecture (EA) Tools market."

Figure: 2022 SPARK Matrix™
(Strategic Performance Assessment and Ranking)
Enterprise Architecture (EA) Tools Market

SPARK Matrix™: Enterprise Architecture (EA) Tools, 2022

October 2022 ©Quadrant Knowledge Solutions

erwin by Quest

Backed by Quest Software, founded in 1987 and headquartered in California, [erwin erwin by Quest](#) is a provider of enterprise architecture, data modeling and data intelligence software. erwin by Quest solutions for IT and business collaboration help companies drive meaningful insights, agile innovations, risk management, and business transformation. Furthermore, erwin by Quest offers integrated data modeling, data governance, enterprise architecture, and business process modeling capabilities to ensure alignment in achieving enterprise objectives. erwin Evolve by Quest supports strategic enterprise architecture and business process modeling initiatives such as digital transformation, cloud migration, portfolio and infrastructure rationalization, regulatory compliance, and innovation management. The key features and functionalities of the erwin enterprise architecture platform include flexible configuration, a central repository, a collaborative web platform, enterprise models, reporting and dashboards, multiple EA frameworks, an analytics accelerator, data intelligence integration, third-party integrations, and web modeling.

erwin Evolve provides advanced visualization, documentation, analytics, and integration capabilities to teams to implement both enterprise architecture and business process modeling within one software suite. Furthermore, erwin Evolve uses business process model and notation diagram capabilities to provide visibility and easy-to-understand intelligence to easily create and visualize complex models. It also leverages an array of analytic capabilities to explore model elements, interdependencies and interrelationships, and understand the impact of change.

erwin Evolve, with its central repository offering, captures all relevant enterprise architecture data in a central or decentralized environment with access from anywhere and automatic mass updates. Furthermore, the web modeler capabilities enable IT and business stakeholders to create, edit, and collaborate on diagrams through a user-friendly interface, and makes it easy to participate in EA/BP modeling, planning, design, and deployment. Additionally, the erwin Evolve analytics accelerator makes content easily accessible to the business intelligence ecosystem to conduct complex analyses to improve business and operating models. Moreover, the company provides access to templates and industry-defined frameworks, such as TOGAF and DoDAF, to accelerate adoption, improve conformance, and drive enterprise architecture management.

erwin Evolve can be used stand-alone or in concert with erwin Data Intelligence by Quest and erwin Data Modeler by Quest for an an integrated and automated platform that combines enterprise modeling and data intelligence software to deliver an enterprise data governance experience. Rather than deploy an isolated technical program, organizations can use data governance as a strategic, ongoing practice to facilitate IT and business collaboration. Furthermore, this synergy enables different communities of enterprise stakeholders to discover, understand, govern, and socialize data assets to achieve the desired results while mitigating data-related risks. erwin by Quest also offers a broad library of erwin Data Connectors to help organizations broaden enterprise data visibility within its solutions and offers targeted products and services to help organizations tackle transformation projects, such as cloud migration.

Analyst Perspective

Following is the analysis of erwin by Quest's capabilities in the global Enterprise Architecture (EA) Tools market:

- erwin Evolve by Quest is a fully featured enterprise architecture platform with a configurable set of enterprise architecture and business process modeling and analysis tools. The platform maps the IT capabilities with relevant business functions that support and determine how people, processes, data, technologies, and applications interact to ensure alignment between IT and business, along with helping achieve enterprise objectives.

- erwin Evolve provides a central source of information about the enterprise and how it operates by using a shared, central repository with integrated views of strategy, capabilities, applications, data assets, etc. These views further capture, understand, and articulate opportunities, challenges, trends, and risks, so that business and IT leaders can address and further manage the complexity. Furthermore, erwin Evolve offers insights that help lower the risks and costs of IT infrastructure, digital transformation, and innovation management. Also, the enterprise architecture model elements link the dependencies for effective change management with easy impact analysis through heatmaps, reports, charts, and graphs – breaking down the organizational silos and harmonizing the data across operational processes, applications, and models with integrations to enterprise applications and third-party tools.

- The key differentiators of the erwin Evolve enterprise architecture platform include a flexible metamodel with out-of-the-box (OOTB) support for customer/partner configuration and the ability to support multiple frameworks; intelligent model building rendering model content within different views matching the user's own language and presenting views in any format as well as adapting to those already used by users; and automation of enterprise architecture assets leveraging scanned metadata from a wide variety of sources by integrating with erwin Data Intelligence by Quest for data cataloging. Furthermore, erwin Evolve allows customers to license the solution for use on on-premises, as a SaaS solution, or as a combination of both (hybrid), giving them complete flexibility and scalability, which makes it stand out in the market against its competitors.

- Quadrant analysts believe that erwin Evolve's democratization of enterprise architecture by providing a persona-driven user interface and its providing model content across teams through enhanced website management are major differentiators for erwin by Quest in the enterprise architecture software market. Additionally, it provides professional services expertise that goes beyond product configuration and training to support enterprise architecture users with accurate insights and frameworks that enable the adoption of best enterprise architecture practices for organizational success.

- In terms of geographical presence, erwin by Quest has a presence in the European Union, the Middle East & Africa, the USA, and Asia Pacific. The company caters to various industry verticals, including healthcare & life sciences, the govt & public sector, IT & telecom, banking & finance, insurance, system integrators, and energy & utilities.

- Some of the top use cases of erwin by Quest include digital transformation, technology innovation, enterprise data governance, application rationalization, data center consolidation, cloud migration planning, data security and risk management, regulatory compliance, and mergers & acquisitions.

- A key challenge for erwin by Quest is the growing competition from both emerging and established vendors in this heavily crowded space.

To strongly compete, the company is focusing on using AI and ML to offer best-of-breed capabilities to its clients. However, the company, with its sophisticated technology platform, comprehensive functional capabilities, and strong customer value proposition, is well-positioned to expand its share in the global enterprise architecture tools market.

- In terms of the future roadmap, erwin by Quest is focusing on extending erwin Evolve workflow capabilities to offer a more advanced set of modeling workflows. Furthermore, a new SaaS platform, erwin Evolve 360, will provide customers with a no-code platform to quickly and easily create applications that support an organization's evolving needs over time. This new platform is set for release in 2022 and will enable customers to address a wider array of use cases. The existing erwin Evolve offering will also continue to be enhanced, including the availability of diagramming, road mapping, and Kanban functionality in Microsoft Teams for greater collaboration and ease of use in a future version of the software. Furthermore, investments in AI and ML capabilities will help organizations to automatically analyze data and create models based on automated information inputs, which may also include the creation of formal diagrams from free-form diagrams with automated conversion between standards. Additionally, the company will strengthen erwin Evolve integration capabilities with other Quest data intelligence, operations and protection software to provide a fully integrated data empowerment offering, expanding support for use cases for application performance management and other key enterprise architecture organizational initiatives.