erwin by Quest
2021 SPARK Matrix Leader
Enterprise Architecture Tools

2021
SPARK MATRIX
LEADER

Enterprise Architecture
(EA) Tools Market

erwin by Quest : 2021 Spark Matrix Leader in Enterprise Architecture Tools

Enterprise Architecture Tools is a set of applications or a platform that helps to analyze, design, plan and implement concrete business strategies implemented across different operating domains such as IT, technology, business operations, and others. Enterprise Architecture Tools help organizations align their business processes with disruption around IT infrastructure, business applications, and solutions by supporting IT and business leaders throughout their strategic planning and execution processes. With continuous improvements and updates of IT systems and business applications to incorporate ongoing technology disruptions and market trends, Enterprise Architecture tools help organizations in visualizing, analyzing, and controlling the impact of change on various parts of organizations. Organizations can create a detailed business landscape, roadmap, and blueprints - to visualize, track, and manage various ongoing and planned digital transformation projects for different stakeholders within an organization.

Enterprise Architecture Tools help large businesses undergoing a digital transformation to combine processes and applications within a seamless environment. However, modern enterprise architecture strategies are evolved to extend to the end-to-end business operations and not just the domain of IT. Presently, enterprise architecture strategies ensure that the company aligns with the digital transformation strategies and goals to achieve technological growth. Enterprise Architecture has become a necessity for businesses trying to keep up with new technologies such as cloud, IoT, machine learning, intelligent automation, and other emerging trends, which support digital transformation. Enterprise Architecture identifies an organization requirements to determine the possibility of syncing information, businesses, and technology. The framework reliably combines people, data, and technology - to form a comprehensive view of the connections between information technology and organizations.

The enterprise architecture tools market is rapidly expanding, driven by the growing emphasis on business transformation in realizing the organization's strategic vision to improve business agility and responsiveness. Organizations are striving to drive an innovation-driven culture by incorporating ongoing technology disruption and market trends as part of their technology infrastructure and business operations. Modern enterprise architecture tools offer comprehensive functionalities to support various use cases, including

strategic and roadmap planning, business transformation management, cloud transformation, application portfolio management, IT modernization, technology risk management, emerging technology management, integration management, data privacy and governance, and such others.

Enterprise Architecture Tools vendors are continuing to strengthen their capabilities leveraging cutting-edge technologies like out-of-the-box data modeling and reporting, intuitive UI with state-of-the-art usability, advanced visualization, advanced analytics, multi-discipline team collaboration, robust data quality, and governance, amongst others. The leading vendors in the market are making significant investments to incorporate artificial intelligence and machine learning technologies to provide NLP and NLQ driven assistant bots, AI-powered intelligent insights and user experience, and such others. Enterprise Architecture 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. Additionally, enterprise architecture tools vendors are also offering technology differentiating factors 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, the fidelity of the meta-model, and tighter integrations with agile and collaborative tools (Jira, Confluence, Teams, GitLab), amongst others.

While a majority of the enterprise architecture tools may provide all the core functionalities, the breadth and depth of functionalities may differ by different vendors' offerings. Some of the key differentiators include sophistication of technology architecture, degree of flexibility with low code configuration versus customization, product usability, robust visualization capability, the sophistication of analytics and reporting capability, integration and interoperability, and vision and roadmap to support digital transformation initiatives incorporating emerging technology trends.
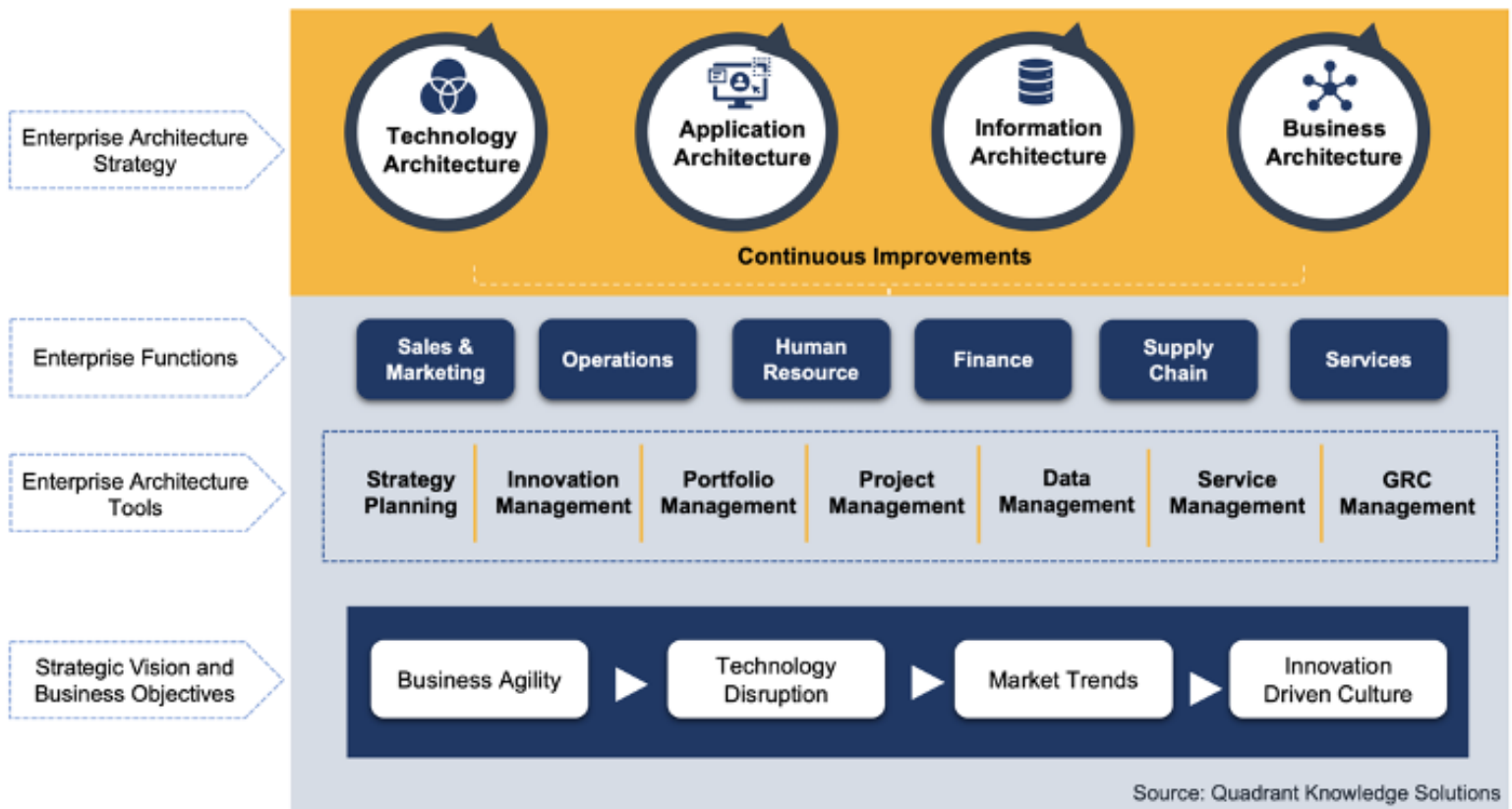
Quadrant Knowledge Solutions' SPARK Matrix: Enterprise Architecture (EA) Tools, 2021 research mainly includes a detailed analysis of the global market regarding short-term and long-term growth opportunities, emerging technology trends, market trends, and future market outlook. The study also provides a comprehensive market forecast analysis of the global market in various geographical regions and the overall market adoption rate as well. This research provides strategic information for technology vendors to better understand the existing market, supporting their growth strategies, and for

users to evaluate different vendors' capabilities, competitive differentiation, and market position.

The research primarily includes a detailed competition analysis and vendor evaluation with the proprietary SPARK Matrix analysis. SPARK Matrix has ranking and positioning of leading Enterprise Architecture Tools vendors with a global impact. The SPARK Matrix includes analysis of vendors, including erwin by Quest, LeanIX, MEGA International, Software AG, BiZZdesign, Avolution, Bee360, ValueBlue, Capsifi, Enterprise Architecture Solutions, Planview, Ardoq, UNICOM Systems, BOC Group, Orbus Software, and Qualiware.

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

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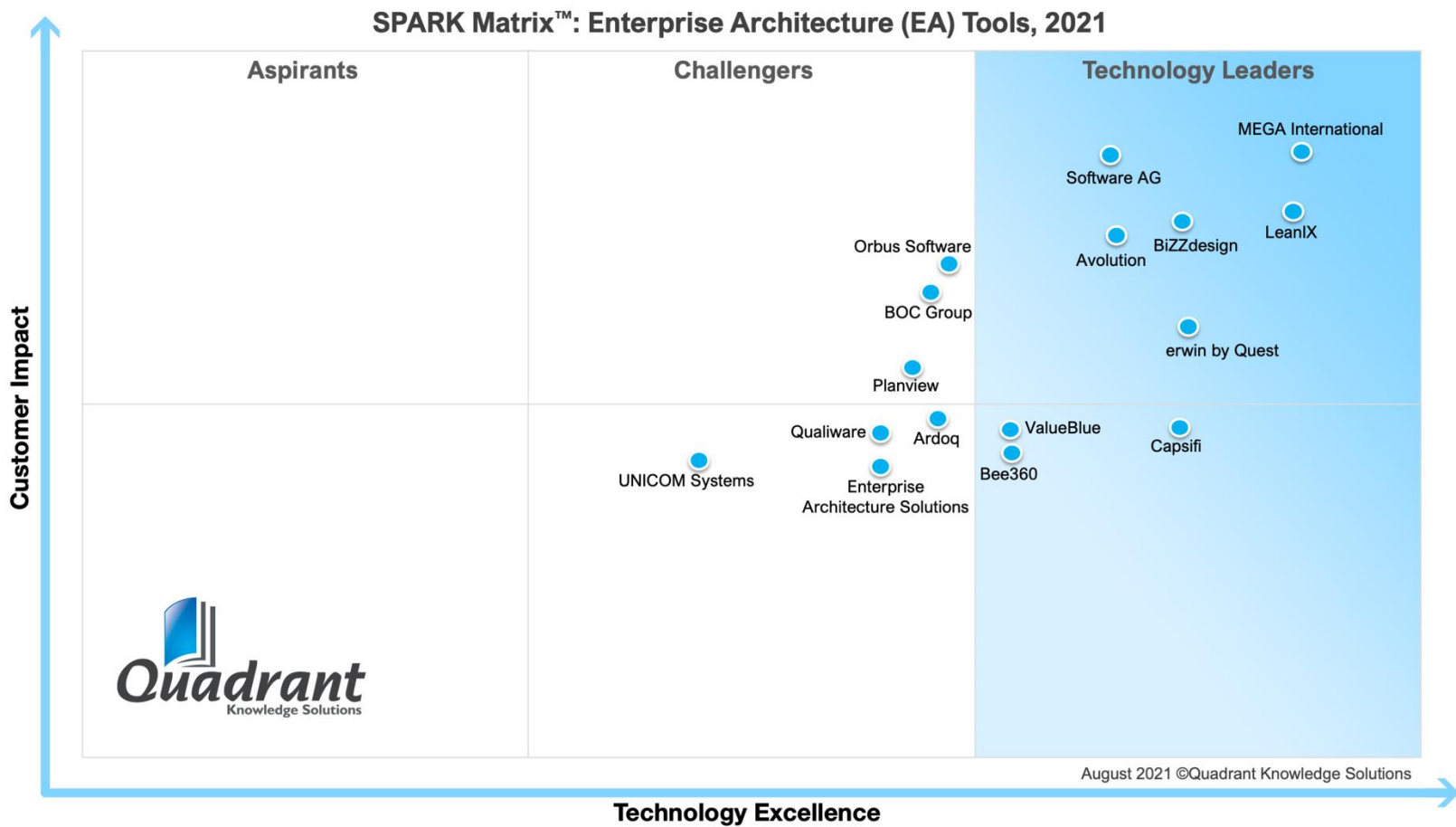
SPARK Matrix Analysis of the Enterprise Architecture (EA) Tools Market

Quadrant Knowledge Solutions conducted an in-depth analysis of the major Enterprise Architecture Tools vendors by evaluating their product portfolio, market presence, and customer value proposition. The Enterprise Architecture Tools market research provides competitive analysis and a ranking of the leading vendors in 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 the primary research, including expert interviews, analysis of use cases, and Quadrant's internal analysis of the overall Enterprise Architecture (EA) 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 tools market, "erwin by Quest, with its robust functional capabilities, has secured strong ratings across the performance parameters of technology excellence and customer impact. Moreover, it has been positioned amongst the technology leaders in the 2021 SPARK Matrix of the Enterprise Architecture Tools market. erwin's enterprise architecture provides business and IT alignment by evaluating applications, technologies, and data to the value streams and business functions they support. Further, it enables IT and business transformation by helping technology and business leaders to achieve successful and value-driven outcomes."

Figure: 2021 SPARK Matrix
(Strategic Performance Assessment and Ranking)
Enterprise Architecture (EA) Tools Market

SPARK Matrix™: Enterprise Architecture (EA) Tools, 2021

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erwin by Quest in the Global Enterprise Architecture (EA) Tools Market

Headquartered in Melville, New York, erwin by Quest was acquired by Quest Software at the end of 2020. erwin is a provider of enterprise architecture, data modeling, and data intelligence solutions. The key features and functionalities offered by the erwin Evolve offering for enterprise architecture and business process modeling are flexible configuration, a central repository, a collaborative web platform, enterprise models, enterprise architecture frameworks, an analytics accelerator, data intelligence integration, third-party integration, web modeling, and reporting amongst others. erwin Evolve can be used stand-alone or as part of the erwin EDGE platform with erwin Data Modeler by Quest and erwin Data Intelligence by Quest to create an enterprise data governance experience for IT and business collaboration to drive meaningful insights, agile innovation, risk management, and business transformation. The platform's integrated data modeling, data governance, enterprise architecture, and business process modeling capabilities help users make smart decisions.

erwin Evolve is a full-featured and configurable set of enterprise architecture, business processing modeling, and analysis tools. Further, it maps IT capabilities to the business functions which supports and determines how people, processes, data, technologies, and applications interact to ensure alignment in achieving enterprise objectives. Such initiatives may include digital transformation, cloud migration, portfolio and infrastructure rationalization, regulatory compliance, and innovation management. The platform provides benefits such as the creation and visualization of complex model analysis, documentation and knowledge retention, decision-making, agility and efficiency, and low risk at a minimal cost.

Furthermore, the enterprise architecture and business process (BP) modeling disciplines rely heavily on each other and share many of the same information visualization and documentation as per the analysis requirements. erwin Evolve is a single yet powerful software suite serving both enterprise architecture and business process use cases. erwin Evolve enables users to effectively tackle complexity and manage the changing environment with operational efficiency.

Furthermore, erwin EDGE is 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. Further, this synergy enables different communities of enterprise stakeholders to discover, understand, govern, and socialize data assets to realize the desired results while mitigating data-related risks. erwin 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 specific to help organizations tackle transformation projects, such as cloud migration.

Analyst Perspective

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

♦   The erwin Evolve enterprise architecture platform is fully featured with a configurable set of enterprise architecture and business process modeling and analysis tools. The platform maps the IT capabilities concerning business functions that support and determines how people, processes, data, technologies, and applications interact to ensure alignment in achieving enterprise objectives. Such initiatives may include digital transformation, cloud migration, portfolio and infrastructure rationalization, regulatory compliance, and innovation management amongst other things.

♦   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 business and IT leaders can address and further manage the complexity.

♦   The erwin Evolve enterprise architecture platform offers insights that help in lowering the risks and costs of IT infrastructure, digital transformation, and innovation management. Also, the enterprise architecture model elements link the dependencies to manage the change quickly 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.

♦ Some of the erwin Evolve benefits include harmonizing enterprise architecture/business process modeling capabilities for greater visibility, control, and intelligence in managing any use case. The software captures, documents, and publishes information for key business functions, creating greater employee awareness and institutional knowledge. Standard operating procedures can be achieved at a faster rate, fueled by actionable insights and value in integrated form across initiatives through better visibility of business outcomes that are resulting in improved performance and profitability. Such harmonization and optimization support employee training and lowers IT costs.

♦ The key differentiators of erwin's enterprise architecture platform include a flexible metamodel with OOTB support for customer/partner configurations which can support multiple frameworks, enhancing the enterprise architecture platform by providing a persona-driven UI with model content across teams through federation and enhanced website management, and intelligent model building with rendering content having different views which are matching the user's language and presenting views in any format which are adapted to those already used by users. Additionally, with the ability to automate enterprise architecture assets and leverage metadata previously harvested from a wide variety of sources using erwin Data Intelligence for data cataloging, erwin provides automation and professional services expertise that goes beyond product configuration and training to support enterprise architecture users with knowledgeable insights and frameworks that enable adoption of best enterprise architecture practices for organizational success.

♦ In terms of geographical presence, erwin has a presence in the European Union, the USA, and the Asia-Pacific region as well. The company caters to various industry verticals including healthcare and life sciences, govt and public sector, IT and telecom, and energy and utilities amongst others. Some of the top use cases of erwin include the digital transformation of the business and IT operations with technology innovation, governance of the SDLC with agile support and data

governance, and application portfolio management to manage the application inventory with optimum cost with application rationalization.

♦ erwin's strategy and technology roadmap includes erwin Evolve 360, a new SaaS platform that will provide customers with a no-code platform to quickly and easily create applications that support an organization's evolving needs over time; Further, this new platform will be coming out in 2021 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. Additional integration will enable Quest customers to leverage related Quest data operations, protection, and governance solutions in conjunction with erwin Evolve as a fuller, comprehensive data empowerment platform that will provide expanded support of use cases for application performance management and other key enterprise architecture organizational initiatives.

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