

Knowledge Brief

Quadrant Knowledge Solutions

Aspire Systems is a Leader in SPARK Matrix: Cloud-Native Application Development Services, 2022



An Excerpt from Quadrant Knowledge Solutions
"SPARK Matrix: Cloud-Native Application Development Services, 2022"

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According to Quadrant Knowledge Solutions, “Cloud-native Application Development Services vendors provide organizations with the techniques to accurately develop and deploy software to maintain and align business objectives with relevant software releases. These techniques support functionalities such as low code features, cloud consulting, migration, optimization, transformation, and management. Thus, by incorporating cloud-native principles, organizations can migrate from legacy systems to a modern, scalable, secure, and agile development environment.”

With the emerging need for cloudification, organizations have started to build and deploy applications on the cloud to improve business agility and resiliency with zero downtime, and take full advantage of cloud computing by running responsive and reliable cloud-native applications that are scalable and flexible. With cloud-native application development services, vendors are empowering organizations to build and run scalable applications in public, private, and hybrid clouds. Cloud-native application development services enable application development through next-generation technologies like Kubernetes, serverless functions, and microservices & API-first architecture, which help organizations reduce operational risks and build applications faster.

Cloud-native application development services help businesses develop a smarter approach to deliver a consistent digital experience on a strong foundation of the cloud. Vendors focus on open architecture for interoperability to develop applications that capitalize on the cloud environment. Service providers are driving application development processes with DevOps that complement cloud-native applications and focus on continuous delivery, development, and integration to elevate new updates and increase collaboration. While the application landscape was previously dominated by monolithic architecture, new applications built on microservices architecture helps organizations to be responsive to changing customer needs and adapt to new business scenarios more efficiently.

In the coming years, vendors will focus on investing in building IPs and strengthening their partnership ecosystems to offer custom solutions to clients as per their business requirements. Furthermore, vendors are focusing on infusing

next-generation technologies such as blockchain, augmented reality, and virtual reality in their cloud-native application service offerings. Due to the emerging trend of cloud adoption on a large scale, service providers are embedding DevSecOps in their offerings to integrate security as a shared responsibility in the entire application lifecycle.

Cloud-Native Application Development Service Vendors' Critical Offerings

- **Consulting:** Understanding the need and available IT infrastructure and creating baseline metrics for effective performance.
- **Identification:** Estimating the return on investment and redesigning complexity, cost, and duration.
- **Selection:** Analyzing third-party tools required for integration and selecting public, private, or hybrid cloud environment as per the business requirements.
- **Planning:** Defining cross system dependency, planning delivery of products, and planning various iterations for further enhancements.
- **Cloud Management:** Support for cloud, monitoring services, security and compliance activities, and workflow optimization.
- **Execution:** Validation of the acceptance criteria, a demo of toolkits and services, maintenance, and deployment.

Key Trends of Cloud-Native Application Development Services

- Focus on effective client consulting services to help them accelerate time to value and enhance user experience.
- Investing significantly in building IPs and partnerships for faster and customized application development.

- Vendors are focusing on responsiveness to client requirements for supporting client requirements and building strategies for business use cases.
- Moving toward cloud-native architecture to take advantage of emerging technologies such as AI-driven automation to meet client needs.
- Provide consulting to choose, configure, and integrate the right cloud platform technologies, which help customers build cloud-native architecture.
- Provide facilities for cloud migration that help organizations re-host, refactor, revise, re-platform, rebuild, or replace applications, which is driven by AI-based technologies.
- Integrating low code application development features into the cloud app development process for a faster, scalable, and agile app development environment.
- Cloud-native architecture includes microservices, containers, dynamic orchestration, and continuous delivery to build highly scalable apps that can be seamlessly deployed, adapted, or upgraded.

Market Direction of Cloud-Native Application Development Services

The cloud-native application development services help users develop applications in containers that are deployed in microservices through agile DevOps processes and continuous delivery workflows. The vendors are focusing on developing secure solutions that will extend customers' legacy applications into new container ecosystems to provide them with the necessary tools and technologies for managing the platform. Additionally, vendors assist customers in implementing microservices and container orchestration in a dockerized environment, which helps developers focus on the core application development process. Furthermore, enhancements in serverless computing enable developers to build applications faster, simplify code deployment, and maintain operations regardless of the type of provisioned server.

Quadrant Knowledge Solutions' [SPARK Matrix: Cloud-native Application Development Services, 2022](#) research includes a detailed analysis of the global market regarding short-term and long-term growth opportunities, emerging service trends, market trends, and future market outlook. The study 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, support their growth strategies, and for users to evaluate different vendors' capabilities, competitive differentiation, and market position.

The research includes detailed competition analysis and vendor evaluation with the proprietary SPARK Matrix analysis. SPARK Matrix includes the ranking and positioning of leading Cloud-Native Application Development Services vendors with a global impact. The SPARK Matrix includes an analysis of vendors, including Accenture, Aspire Systems, Brillio, Capgemini, Cognizant, CSS Corp, DMI, DXC Technology, GlobalLogic, Happiest Minds, HCL Technologies, Infosys, LTI, Mphasis, NTT DATA, Softtek, Sonata Software, Sopra Steria, TCS, Virtusa, Wipro, and Zensar.

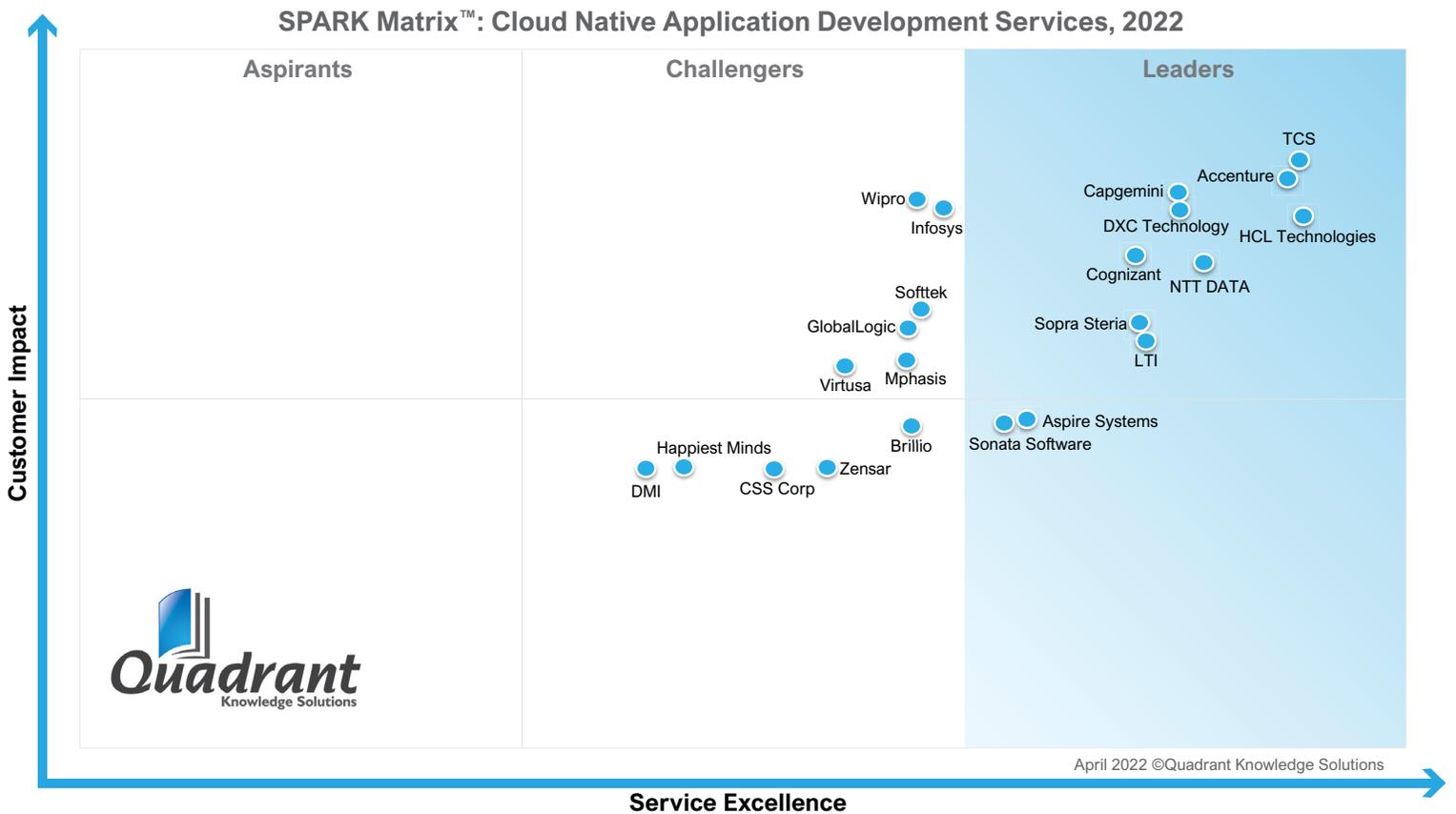
SPARK Matrix Analysis of the Cloud-Native Application Development Services Market

[Quadrant Knowledge Solutions](#) conducted an in-depth analysis of the major Cloud-native Application Development Services vendors by evaluating their service portfolio, market presence, and customer value proposition. The cloud-native application development services market research provides competitive analysis and a ranking of the leading vendors in the form of a proprietary SPARK Matrix™. SPARK Matrix analysis provides a snapshot of key market participants and a visual representation of market participants. It provides strategic insights on how each vendor ranks related to their competitors based on their respective service 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 cloud-native application development services market.

Service Excellence	Weightage	Customer Impact	Weightage
Sophistication of Service Capabilities	25%	Diversity of Client Base	25%
Competitive Differentiation Strategy	25%	Market Presence	25%
Industry Experience & Domain Knowledge	25%	Proven Record	25%
Global Reach & Service Capabilities	15%	Customer Service Excellence	15%
Vision & Roadmap	10%	Unique Value Proposition	10%

According to the SPARK Matrix analysis of the global cloud-native application development services market, “Aspire Systems, with robust functionalities of its cloud-native application development services market, has secured strong ratings across the performance parameters of service excellence and customer impact and has been positioned amongst the leaders in the 2022 SPARK Matrix of the cloud-native application development services market.”

Figure: 2022 SPARK Matrix™
 (Strategic Performance Assessment and Ranking)
 Cloud-native Application Development Services Market



Aspire Systems in the Global Cloud-Native Application Development Services Market

Founded in 1996 and headquartered in Singapore, [Aspire Systems](#) is a global technology service provider that offers product engineering, enterprise solutions, independent testing services, and IT infrastructure support services to its clients. Aspire Systems, with its cloud native application services, accelerates application development and scales up services based on market demands. Aspires Systems' comprehensive cloud native application development services comprise cloud consulting, cloud replatforming, cloud optimization, automation testing framework, monolithic to microservices migration, microservices development on cloud, and others.

Aspire Systems, through its accelerator, supports microservices development in .Net Java, LAMP, and MEAN stack, along with helping enterprises implement a progressive and incremental replatforming journey to the cloud. Aspire Systems also optimizes enterprises that are already on the cloud by implementing DevOps and serverless technologies and containerizing their micro services. Aspire Systems' cloud native application development services help organizations deal with complex process requirements with the pay-as-you-go model.

Aspire Systems, with its Tech Cello offerings, accelerates SaaS and microservices applications development or migration on the cloud with a framework that supports microservices architecture and has custom tenant administration and monitoring. Furthermore, the DevOps provisioning portal and dashboard for AWS and Azure help clients accelerate their offerings on the cloud. Aspire Systems' cloud native application development services leverage cloud technology, microservices, DevOps, containers, and platform as a service to effectively commoditize applications as per clients' requirements.

Aspire Systems, with its cloud native application development services, offers easy access to multiple languages and frameworks, the ability to scale up and down as per the business requirements, automation powered by DevOps, end-to-end product development and app monitoring services, containers for packaging and versioning, and hybrid architecture for its clients. Aspire Systems also offers the auto redundancy feature that can automatically handle outages and enable corrective actions in the event of failure, wherein application processing instantly

moves from one data center to another without interrupting the service. Aspire Systems has a strong partner ecosystem that helps it to avoid any delay in its deliverables to its customers.

Analyst Perspective

Following is the analysis of Aspire Systems' capabilities in the cloud-native application development services market:

- Aspire Systems, with its cloud native application development services, helps enterprises to accelerate their application development by reducing the time to market and enabling a high degree of scalability. Its reliable technology expertise helps its clients globally to increase application uptime and improve performance. Aspire Systems provides the advantage of cloud elasticity to its clients, who can adjust to increased resources as per their requirements.
- Some of the key differentiators of Aspire Systems include its demonstrated expertise in cloud-native solutions through the framework and solutions built in-house, such as TechCello, AFTA, and Alicia. Aspire Systems' in-house tools such as ROI calculators and decision trees help clients choose the right approach in the transformation program. The company is forging partnerships with cloud providers to offer solutions directly to customers in the local market. Furthermore, the 'center of excellence for cloud' and 'DevOps with labs' features are available for customers to try out proof of concepts and new solutions, making Aspire Systems stand out in the market against its competitors.
- Some of the use cases for Aspire Systems include cloud replatforming from on-premise to cloud, monolithic to microservices modernization, cloud optimization, reduction of license cost, architecture modernization, and CloudOps.
- In terms of geographical presence, Aspire Systems has a significant presence in the USA, followed by the European Union, the Middle East and Africa, and Asia Pacific. The company holds a strong customer base, including the leading brands across industry verticals such as software and technology, banking and financial services, retail,

insurance, education, logistics and transportation, manufacturing, healthcare and life sciences, and automotive.

- The primary challenges for Aspire Systems include the growing competition in the cloud native application development services market from emerging vendors with innovative service offerings that are targeting organizations to gain a strong market position. However, with its comprehensive technology, innovative service offerings, and effective competitive and growth strategies, Aspire Systems is well-positioned to grow its share in the cloud native application development services market while targeting all enterprises.
- In terms of the future roadmap, Aspire Systems is focusing on increased collaboration with business verticals such as software, BFS, retail, and insurance to deliver business use cases that leverage cloud native solutions. Aspire Systems is also streamlining its focus on cloud native application development and supporting clients by splitting up traditional IT support verticals into three separate service lines- DevOps, CloudOps, and infrastructure support. Furthermore, Aspire Systems is focusing on strategic acquisitions and the establishment of nearshore development centers to focus on and penetrate the European and USA markets.