

# **Saudi Arabia System Infrastructure Software Market, By Type (System & Network Management Software, Security Software, Storage Software, System Software), By Application (Building Management System, Cloud Integration, Data Center Infrastructure Management, Network Integration, Others), By End User (BFSI, Telecommunications & IT, Transportation & Logistics, Oil & Gas, Manufacturing, Retail, Others), By Region, Competition, Forecast and Opportunities, 2019-2029F**

<https://marketpublishers.com/r/SD9AB3F733D3EN.html>

Date: May 2024

Pages: 82

Price: US\$ 3,500.00 (Single User License)

ID: SD9AB3F733D3EN

## **Abstracts**

Saudi Arabia System Infrastructure Software Market was valued at USD 6.56 Billion in 2023 and is anticipated to project robust growth in the forecast period with a CAGR of 10.10% through 2029. The system infrastructure software market refers to the segment of the software industry that focuses on developing and providing essential software solutions and tools to manage, maintain, and optimize the foundational technology infrastructure of organizations. This technology infrastructure encompasses various components, including servers, storage systems, networks, data centers, and cloud environments. System infrastructure software plays a critical role in ensuring the efficient operation, security, and scalability of these IT assets.

Key components of the system infrastructure software market include operating systems, virtualization software, network management tools, data storage solutions, and security software. These solutions are designed to streamline IT operations, enhance data processing capabilities, and fortify cybersecurity measures. The market serves a

broad spectrum of customers, ranging from small and medium-sized enterprises to large corporations and government entities, all of which rely on system infrastructure software to support their digital initiatives, ensure data integrity, and optimize their IT environments for maximum performance. As technology continues to evolve, the system infrastructure software market remains dynamic, constantly adapting to meet the ever-changing demands of modern businesses and their technology infrastructure needs.

## Key Market Drivers

### Digital Transformation Initiatives

Saudi Arabia is undergoing a significant digital transformation, primarily propelled by Vision 2030, an ambitious plan to diversify the economy. This transformation has led to increased investments in technology and system infrastructure software. The government, along with various sectors such as healthcare, education, and finance, is keen to leverage technology to enhance productivity and competitiveness.

The system infrastructure software plays a pivotal role. Organizations are investing in modernizing their infrastructure to support digital initiatives. This includes upgrading servers, storage solutions, and networking equipment, and deploying virtualization and cloud computing technologies. As digital transformation advances, the demand for system infrastructure software will continue to surge.

### Expanding IT Sector

Saudi Arabia's IT sector has been expanding rapidly, thanks to investments in education, local talent development, and the establishment of IT hubs and technology parks. With the growth of the IT sector comes an increased demand for system infrastructure software. Businesses are looking to enhance their IT capabilities and infrastructure, which includes systems for network management, data storage, and virtualization.

The IT industry in Saudi Arabia is also attracting international technology companies, which further bolsters the demand for system infrastructure software. This creates a competitive environment in which local and international vendors offer innovative solutions to cater to the burgeoning market.

### Cloud Computing Adoption

The adoption of cloud computing in Saudi Arabia has been on the rise. Businesses are recognizing the advantages of cloud solutions, including cost-efficiency, scalability, and flexibility. To harness the full potential of cloud technology, organizations require system infrastructure software for managing and securing their cloud-based resources.

Cloud infrastructure management, security, and monitoring solutions are in high demand. Businesses are looking to optimize their cloud environments, automate processes, and enhance security to safeguard their critical data.

### Cybersecurity Concerns

Cybersecurity has emerged as a paramount concern for organizations in Saudi Arabia. With the increasing frequency and sophistication of cyberattacks, businesses and government entities are ramping up their efforts to protect their digital assets. System infrastructure software, including firewalls, intrusion detection systems, and encryption tools, is crucial in fortifying their IT defenses.

As Saudi Arabia's critical infrastructure increasingly relies on interconnected systems, the need for robust cybersecurity solutions becomes even more critical. This results in a continuous demand for state-of-the-art system infrastructure software to safeguard against evolving cyber threats.

### Data Management and Analytics

Data has become a valuable asset for organizations. In Saudi Arabia, businesses are focusing on effective data management and analytics to gain insights and make informed decisions. System infrastructure software that supports data storage, processing, and analysis is integral to this process.

Tools for big data analytics, business intelligence, and data warehousing are in high demand as organizations seek to harness the power of their data for improved decision-making and business outcomes.

### Regulatory Compliance

Saudi Arabia has implemented various regulations and compliance standards, such as the Saudi Cybersecurity Law. These regulations are aimed at ensuring the security and integrity of IT systems. Meeting these compliance requirements necessitates the use of

system infrastructure software for monitoring, auditing, and ensuring adherence to these regulations.

The Saudi Arabia system infrastructure software market is being driven by digital transformation, the expansion of the IT sector, cloud adoption, cybersecurity concerns, data management, and the need for regulatory compliance. These drivers reflect the evolving landscape of technology adoption and business priorities in the Kingdom, which will continue to fuel the demand for system infrastructure software.

Government Policies are Likely to Enhance the Market in the Upcoming Years.

### Vision 2030 and Digital Transformation

Vision 2030 is Saudi Arabia's ambitious blueprint for the future, aimed at diversifying the economy and reducing its reliance on oil. A central pillar of Vision 2030 is digital transformation. The government is committed to harnessing technology to drive economic growth and enhance the quality of life. This policy necessitates substantial investments in system infrastructure software to support digital initiatives, such as e-government services, smart cities, and data-driven decision-making. The demand for infrastructure software is amplified as the country pushes forward with its digital transformation goals.

### National Transformation Program (NTP)

The National Transformation Program (NTP) is a key component of Vision 2030, outlining specific initiatives and targets for various sectors. In the context of system infrastructure software, the NTP places a significant focus on modernizing and expanding IT infrastructure to enable digitalization. This includes upgrading network infrastructure, data centers, and cloud computing capabilities. As a result, organizations across sectors are compelled to invest in system infrastructure software solutions that align with NTP objectives to ensure their readiness for the digital future.

### Data Protection and Cybersecurity Regulations

Saudi Arabia has implemented stringent regulations for data protection and cybersecurity to ensure the security and integrity of digital assets. The Saudi Data and Artificial Intelligence Authority (SDAIA) plays a pivotal role in formulating and enforcing these regulations. These policies require organizations to implement robust cybersecurity measures and data protection protocols. System infrastructure software,

such as firewalls, intrusion detection systems, and encryption solutions, is crucial to achieving compliance and safeguarding sensitive data from cyber threats. This regulatory environment significantly influences the system infrastructure software market as organizations strive to adhere to these security and compliance standards.

### Saudization and Technology Workforce Development

Saudization is a government policy that aims to increase the employment of Saudi nationals in the private sector, including the technology industry. The government offers incentives to companies that hire and train local talent, creating a strong impetus for the development of the local technology workforce. Simultaneously, the government supports the growth of the local technology ecosystem. This policy fosters the emergence of local technology companies, including those specializing in system infrastructure software. It aims to reduce the dependency on foreign labor and technology solutions, further enhancing the nation's technology landscape.

### Smart City Initiatives

Saudi Arabia is making significant investments in smart city initiatives to create sustainable and connected urban environments. Smart cities rely heavily on advanced IT infrastructure and system infrastructure software to enable smart services, data analytics, and data-driven decision-making. The government's commitment to smart city projects fuels demand for infrastructure software that supports the implementation and maintenance of these technologies, including networking solutions, data centers, and IoT infrastructure.

### Localization of Cloud Services

The government actively encourages the localization of cloud services by requiring cloud service providers to establish data centers within the country. This policy aims to enhance data sovereignty, security, and regulatory compliance while stimulating the growth of the digital economy. System infrastructure software plays a critical role in ensuring the efficiency, security, and compliance of cloud operations. Consequently, cloud service providers and their customers need to invest in appropriate infrastructure software to support their operations.

Saudi Arabia's government policies, encompassing Vision 2030, NTP, data protection regulations, Saudization, smart city initiatives, and the localization of cloud services, have a profound impact on the system infrastructure software market. These policies

create a conducive environment for investment in digital infrastructure, cybersecurity, and the growth of a local technology ecosystem.

## Key Market Challenges

### Rapid Technological Advancements

The Saudi Arabian system infrastructure software market faces the significant challenge of keeping pace with the rapid advancements in technology. Technology is evolving at an unprecedented rate, with new software solutions, hardware, and infrastructure technologies emerging regularly. This continuous evolution creates several challenges for businesses and organizations in Saudi Arabia:

Updating and upgrading system infrastructure software to stay current with the latest technologies can be costly. Many organizations, especially smaller ones, struggle to allocate the necessary funds for regular technology refreshes.

As technology advances, the demand for skilled IT professionals who can manage and implement system infrastructure software also grows. Saudi Arabia's Saudization policies aim to increase the employment of local talent, but it can still be challenging to find professionals with the required skills.

Many businesses in Saudi Arabia still rely on legacy systems that may not be compatible with the latest system infrastructure software. Migrating from legacy systems to modern infrastructure can be complex and expensive.

As technology advances, so do the methods and tactics of cyber threats. Ensuring that system infrastructure software is up to date and can defend against the latest security threats is a perpetual challenge.

To overcome this challenge, Saudi Arabian organizations need to regularly assess their infrastructure software, invest in training and development for their IT workforce, and plan for technology updates in their budgets. Government and industry partnerships can also help by providing support and resources to facilitate technology adoption and adaptation.

### Regulatory and Compliance Complexity

The regulatory and compliance landscape in Saudi Arabia poses a significant challenge



to the system infrastructure software market. The government has implemented stringent data protection and cybersecurity regulations, such as the Saudi Cybersecurity Law, to ensure the security and integrity of digital assets. While these regulations are crucial for safeguarding sensitive data, they add complexity and costs for businesses:

Ensuring compliance with these regulations can be complex, time-consuming, and costly. Businesses must invest in system infrastructure software that can facilitate compliance monitoring and reporting.

The localization of cloud services, another government policy, mandates that cloud data must be stored within the country. This raises concerns regarding data sovereignty, data residency, and cross-border data transfers, which can affect the choice of system infrastructure software and cloud providers.

The regulatory landscape is continuously evolving, with new regulations and amendments. Staying abreast of these changes and adapting system infrastructure software accordingly can be a constant challenge.

Many organizations must allocate substantial resources to ensure compliance. Smaller businesses and startups may find it particularly challenging to manage these costs.

To address these challenges, organizations in Saudi Arabia should maintain a proactive approach to compliance. This includes regular compliance audits, the adoption of compliance-friendly infrastructure software, and staying informed about regulatory changes. Collaboration with experts in compliance and legal matters can also be beneficial to navigate the complex regulatory environment effectively. Moreover, government-business collaboration can lead to the development of resources and tools that facilitate compliance and ease the regulatory burden on organizations.

## Key Market Trends

### Rapid Adoption of Cloud-Based Infrastructure Software:

In recent years, Saudi Arabia has witnessed a significant surge in the adoption of cloud-based infrastructure software solutions. Organizations across various sectors, including finance, healthcare, government, and telecommunications, are increasingly migrating their operations to cloud platforms to enhance flexibility, scalability, and cost-efficiency. This trend is primarily driven by the growing awareness of the benefits offered by cloud computing, such as reduced capital expenditure, simplified management, and improved

collaboration. Additionally, the government's initiatives to promote digital transformation and diversify the economy further accelerate the adoption of cloud-based infrastructure software among enterprises in Saudi Arabia.

Cloud-based infrastructure software offers several advantages over traditional on-premises solutions. It allows organizations to access computing resources on-demand, eliminating the need for large upfront investments in hardware and infrastructure maintenance. Moreover, cloud platforms provide enhanced security features, enabling organizations to mitigate cyber threats and comply with data protection regulations more effectively. As a result, businesses in Saudi Arabia are increasingly leveraging cloud-based infrastructure software to streamline their operations, drive innovation, and gain a competitive edge in the market.

The COVID-19 pandemic has underscored the importance of cloud technology in enabling remote work and business continuity. As organizations adapt to the new normal of remote operations, the demand for cloud-based infrastructure software is expected to witness continued growth in Saudi Arabia. Leading technology providers are investing in expanding their cloud infrastructure and offering tailored solutions to cater to the evolving needs of businesses in the region. Overall, the rapid adoption of cloud-based infrastructure software is a prominent trend shaping the Saudi Arabia System Infrastructure Software Market, driving innovation and transformation across industries.

## Segmental Insights

### End User Insights

The Telecommunications & IT segment emerged as the dominating segment in 2023. The Telecommunications & IT sector typically experiences rapid technological advancements. To remain competitive and meet the demands of an increasingly digital society, telecom and IT companies often invest heavily in infrastructure software. They need to manage complex networks, data centers, and cloud environments efficiently. Saudi Arabia, like many other countries, is undergoing digital transformation. Telecommunications and IT companies play a pivotal role in facilitating this transformation, necessitating advanced system infrastructure software for digital services, data management, and network optimization. With the growth of the telecom industry in Saudi Arabia, including the rollout of 5G networks and the expansion of broadband services, the need for robust infrastructure software for network management, security, and data handling becomes paramount. Data centers are



fundamental to the IT and telecom sectors, and data center infrastructure management (DCIM) software is crucial for ensuring optimal performance, energy efficiency, and security within data centers. As data center operations expand, so does the demand for DCIM software. The telecom and IT sectors are highly susceptible to cyber threats. Robust cybersecurity solutions, which are part of system infrastructure software, are vital to protect sensitive data and networks. Cybersecurity remains a top priority, driving demand for related software solutions. Cloud services are integral to the telecom and IT sectors, and cloud integration software is needed to seamlessly connect on-premises systems with cloud platforms. This is essential for the scalable and efficient delivery of digital services. Network infrastructure is a critical component of telecom and IT operations. Network management software helps ensure that networks are performing optimally, which is essential for delivering reliable services.

## Regional Insights

The Northern & Central Region held the largest market share in 2023. It is home to the capital city, Riyadh, and other major cities such as Dammam and Hofuf. The Region is also the economic hub of the country, with a strong focus on oil and gas, petrochemicals, and manufacturing. The dominance of the Northern & Central Region in holding the largest market share in the Saudi Arabia System Infrastructure Software Market can be attributed to several key factors. Firstly, this region serves as the economic and commercial hub of the country, housing major cities such as Riyadh and Jeddah, which are significant centers for business and government operations. Consequently, there is a higher concentration of enterprises and organizations in need of robust system infrastructure software solutions to support their operations and facilitate digital transformation initiatives.

The Northern & Central Region boasts a strong infrastructure backbone, including advanced telecommunications networks and data centers, which provide a conducive environment for the deployment and utilization of system infrastructure software. This infrastructure readiness enhances the adoption of software solutions across various industries, including banking, telecommunications, government, healthcare, and manufacturing, driving the market growth in the region. Government initiatives aimed at promoting digitalization and technological innovation, such as Vision 2030, have fueled investment in IT infrastructure and software solutions across the Kingdom. The Northern & Central Region, being a focal point for government initiatives and investments, has witnessed significant traction in the adoption of system infrastructure software among public sector entities and large enterprises.

The presence of leading technology vendors and solution providers, along with a robust ecosystem of IT service providers and system integrators, in the Northern & Central Region has contributed to the market dominance. These players offer a wide range of software products and services tailored to the specific needs of businesses operating in the region, thereby driving adoption and market share growth. The combination of economic prominence, advanced infrastructure, government support, and a thriving ecosystem of technology providers has positioned the Northern & Central Region as the leader in the Saudi Arabia System Infrastructure Software Market.

### Key Market Players

Microsoft Corporation

Oracle Corporation

IBM Corporation

SAP SE

Huawei Technologies Co., Ltd.

Dell Technologies Inc.

Cisco Systems, Inc.

Red Hat, Inc.

Citrix Software Group Inc.

Amazon Web Services, Inc.

### Report Scope:

In this report, the Saudi Arabia System Infrastructure Software Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Saudi Arabia System Infrastructure Software Market, By Type:

*Saudi Arabia System Infrastructure Software Market, By Type (System & Network Management Software, Security So...*

System & Network Management Software

Security Software

Storage Software

System Software

Saudi Arabia System Infrastructure Software Market, By Application:

Building Management System

Cloud Integration

Data Center Infrastructure Management

Network Integration

Others

Saudi Arabia System Infrastructure Software Market, By End User:

BFSI

Telecommunications & IT

Transportation & Logistics

Oil & Gas

Manufacturing

Retail

Others

Saudi Arabia System Infrastructure Software Market, By Region:

Northern & Central Region

Western Region

Eastern Region

Southern Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia System Infrastructure Software Market.

Available Customizations:

Saudi Arabia System Infrastructure Software Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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