

Multi Public Cloud Services

Hyperscale Infrastructure and Platform Services

A research report comparing provider strengths,
challenges and competitive differentiators



SAP HANA Infrastructure Services

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Who Should Read This Section

This report is relevant to enterprises across industries in the U.S. evaluating providers of SAP HANA infrastructure services for SAP S/4HANA workloads and large-scale HANA databases. In this quadrant, ISG highlights the current market positioning of these U.S. providers based on the depth of their service offerings and market presence.

Businesses are becoming more assured in adopting public cloud infrastructure, primarily due to improved data security and cost-efficiency. Enterprises encounter difficulties in managing vital workloads, particularly those associated with the SAP product line, due to challenges related to data handling, change management and a shortage of skilled personnel. Consequently, there is an increasing reliance on third-party applications that can be seamlessly integrated with SAP S/4 HANA. The expanding wave of digital transformation initiatives prompts enterprises to emphasize

cost reduction, agility, security and industry-specific solutions when migrating SAP workloads.

In 2023, it is noteworthy that providers dedicated resources toward establishing an infrastructure platform that boasts exceptional security, reliability and performance. There has been a growing emphasis on providing tools and services to facilitate the smooth migration of enterprise SAP workloads to cloud platforms. Integrating cutting-edge technologies such as AI and ML into their services enables providers to assist clients in modernizing their SAP applications and enhancing their overall business value.



IT leaders should read this report to better understand SAP HANA infrastructure service providers' relative strengths and weaknesses and learn how their market approaches impact enterprise public cloud strategies.



Software development and technology leaders should read this report to understand the relative positioning and capabilities of SAP HANA infrastructure providers, helping them procure infrastructure and services to migrate their workloads to public cloud platforms.



Sourcing, procurement and vendor management professionals should read this report to better understand the current landscape of SAP HANA infrastructure service providers in the U.S. market.



SAP HANA Infrastructure Services

Definition

This quadrant assesses cloud infrastructures best suited to host SAP's software portfolio, emphasizing SAP S/4HANA workloads and large-scale HANA databases. Participating providers offer IaaS, including infrastructure operations, facilities, provisioning and scaling capacity for SAP workloads.

Key criteria for assessment include the IaaS providers' offering of data migration tools, technical support, system imaging, backup and restore capabilities, disaster recovery solutions, resource usage monitoring and dashboard management solutions. These tools required can be a part of the standard IaaS offerings or provided by partners in a marketplace.

Infrastructure providers that participate in the RISE with SAP program receive a higher rating. However, RISE participation is not a mandatory requirement for inclusion in this quadrant. Ideally, the infrastructure provider should have

a broad ecosystem, including SAP partners, enabling them to support clients in automating and operating their SAP instances in the cloud.

The cloud infrastructure provider should also offer pre-sales support to help clients with migration planning, cloud architecture design, sizing and performance optimization, licensing considerations, system and database configuration, virtual private network configuration and third-party vendor solutions (toolsets). The support analysis focuses on the vendor's service partner ecosystem and their expertise in conducting related migrations and operations.

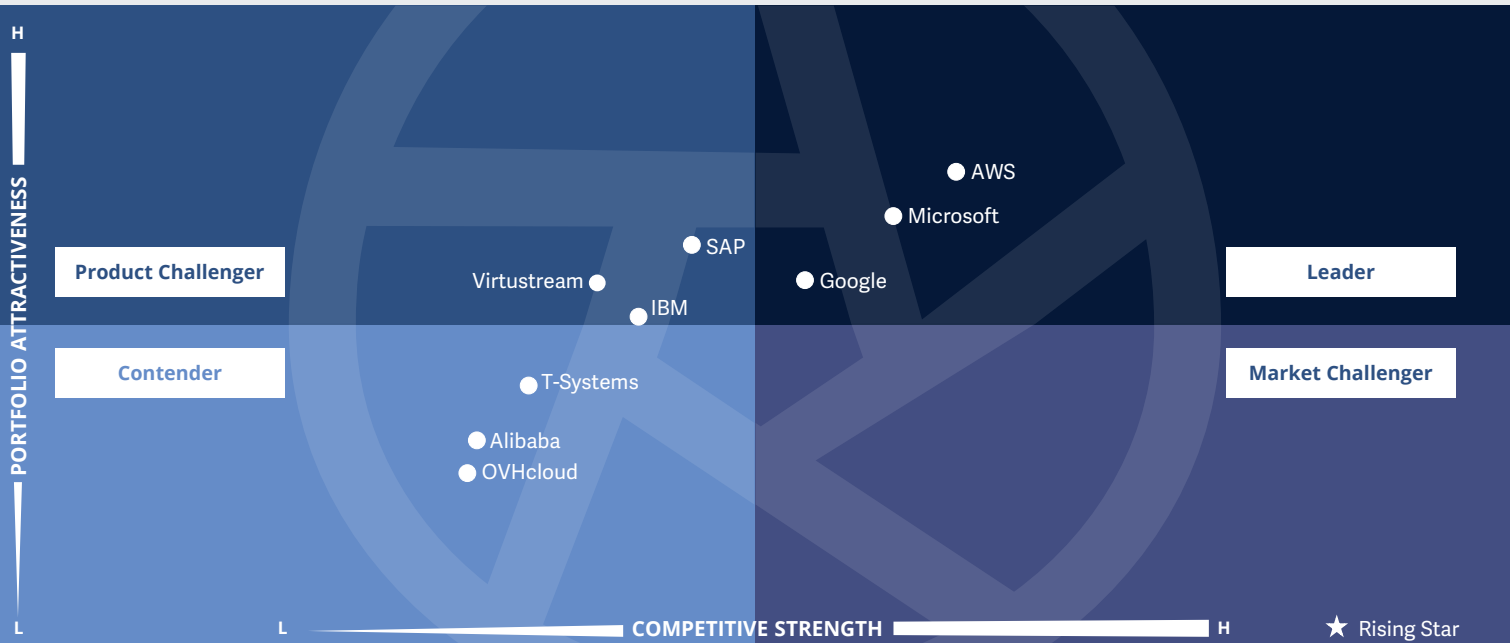
Eligibility Criteria

1. IaaS to include **SAP-certified servers** with storage and connectivity for SAP products. Availability of SAP HANA instances in multiple memory sizes, enabling **on-demand upscaling** to accommodate instance growth and upgrades with minimum service interruptions.
2. Memory capacity exceeding **6 TBs per virtual machine**
3. Easy access, **transparent prices**, consumption-based, reserved instance and dedicated instance billing models
4. Recognized **quality standards and service certifications**, with a strong focus on **data protection** and cybersecurity
5. **Low-cost storage** for backups and archiving
6. **Multi-region** disaster recovery capabilities
7. Automated **backup and restore functionality** (platform-based, proprietary or partner solutions)
8. Frameworks and **tools for application and data migration**
9. An ecosystem of **certified partners** with SAP specialization.



Multi Public Cloud Services
SAP HANA Infrastructure Services

U.S. 2023



The quadrant evaluates service providers offering **SAP product** hosting, particularly SAP S/4HANA, within public cloud shared environments, utilizing **SAP-certified infrastructure** and standard services.

Shashank Rajmane



AWS



“SAP HANA workloads on AWS are a powerful combination that enables enterprises to leverage both platforms’ benefits. AWS offers a wide range of secure infrastructure services and excellent performance for hosting SAP workloads, allowing clients to migrate quickly and safely.”

Shashank Rajmane

Overview

AWS is headquartered in Washington, U.S. and operates in 32 countries. In FY22 the company generated \$80.1 billion in revenue, with compute, storage, and database as its largest segment. It offers various options for customers in the U.S. with SAP HANA, including Bring Your Own License, express edition and trial systems. The company has the largest SAP on the AWS partner ecosystem, providing enterprises across sectors with faster time to value, scalable infrastructure resources and a higher level of availability. AWS has 22 availability zones across six regions in the U.S. to host SAP HANA workloads.

Strengths

Accelerated migration program: Through its AWS ProServe for SAP offering, AWS has helped several U.S.-based enterprises migrate their SAP workloads to AWS faster by providing a value proposition and selecting architecture configurations and options for accelerated migration through best practices from various engagements. AWS also has a rigorous program for its SAP partners that reflects AWS’ commitment to delivering top-tier solutions and support.

Advanced automation capabilities: AWS offers various solutions for automated SAP migrations such as AWS Launch Wizard, AWS Migration Hub Orchestrator, AWS Bckint Agent for SAP HANA, AWS Backup Services for SAP HANA, Amazon CloudWatch Application Insights for SAP HANA and

NetWeaver, and AWS Systems Manager for SAP. For instance, AWS’ Launch Wizard for SAP enables users to develop architecture patterns to automate SAP S/4HANA deployments and achieve high availability configurations quickly.

Broad portfolio for hosting SAP: AWS offers the highest configurations of virtual machines (VM) and cloud service options for hosting SAP workloads. AWS introduced the AWS SDK for SAP ABAP, simplifying SAP process modernization and allowing seamless integration with over 200 AWS services. Its Amazon EC2 High Memory instances offer on-demand pricing and savings plans for up to a 24 TB Nitro VM, enabling upscaling and downscaling to dynamically adapt to business demand.

Caution

Several clients mentioned that the company needs to provide more control mechanisms over the costs of hosting SAP workloads on AWS. Clients are seeking ways to gain better control on infrastructure costs and want to better manage tagging resources while hosting SAP workloads. AWS should consider adding pre-set dashboards to consume SAP transactional data, enabling the use of analytics.



Observations

With the recent increase in demand for migrating mission-critical workloads to cloud environments, more enterprises are experimenting with various combinations of cloud and taking significant risks to become more agile. ISG observes enterprises wanting to rapidly move their SAP applications and workloads to the public cloud. Enterprises must also check partner credentials and migration automation tools while choosing their cloud platform to achieve the desired results. The SAP HANA Infrastructure Services provides numerous advancements, especially pertaining to hyperscalers. The top hyperscalers in this space offer automated tools to accelerate RISE with SAP migrations, providing a safe path for hesitating customers and anything that can help seamlessly migrate SAP workloads to their environments. SAP continues to push the RISE with SAP initiative, accelerating cloud migrations. However, typical SAP clients have more than SAP S/4HANA. They simultaneously use legacy ERPs, analytics tools, data warehouses, sales and service automation, CRM, e-commerce, HCM and other SAP or

competitors' products. The U.S. market in this domain remains a battle between AWS and Microsoft Azure. Google Cloud took a price-competitive approach but had limited success. The overall SAP HANA Infrastructure Services will almost certainly continue to grow even further in the coming years, where enterprises will slowly move all their large instances and workloads with complex environments to the public cloud environments.

From the 57 companies assessed for this study, nine have qualified for this quadrant, with three being Leaders.

AWS

AWS offers extensive services for hosting SAP workloads to U.S. clients. Its Launch Wizard for SAP empowers clients to automate S/4HANA deployment efficiently, and the ProServe for SAP offering enables seamless migration to the public cloud with reduced operational costs.

Google

Google excels in delivering virtualized architecture and aiding clients in optimizing their SAP landscape, enhancing infrastructure performance and enabling real-time insights through its strong analytics features.

Microsoft

Microsoft has strengthened its partnership with SAP and focuses on delivering automated migration and operation of SAP workloads on Azure. The provider has significantly enhanced its offerings by integrating GenAI capabilities.





Appendix

Report Author: Shashank Rajmane

Multicloud strategy and FinOps are foundational elements for migrating to public cloud environments

The widespread adoption of cloud technology in the U.S. is fueling innovation and improving CX. It has pushed enterprises to make significant investments in migrating to public cloud infrastructure. In the last four quarters, ISG has observed a steady demand for cloud computing in the region, mainly due to the increasing digitalization of business operations and the growing need for high-performance computing solutions for business-critical workloads. This demand is primarily driven by the rapid expansion and evolution of various technological segments, with application modernization and AI and ML technologies leading the charge. Enterprises in the U.S. are also looking to reengineer their legacy software applications to align them with current business needs and next-generation cloud infrastructure. This process often necessitates

substantial expertise in transformation capabilities and computational power due to the complexity of these applications. The AI and ML technologies, which form the backbone of many modern digital services and solutions, are known for their intensive consumption of compute resources. The resource-intensive nature of these technologies is a testament to their complexity and sophistication as they involve complex algorithms and processes requiring substantial computational power to function effectively. ML models, for instance, often need to process vast amounts of data in real-time, which requires robust and efficient computing resources. The high demand for these compute resource-intensive technologies underscores the critical role of cloud computing in today's digital landscape. By providing scalable and efficient computing resources on demand, multicloud computing platforms enable businesses and developers to leverage advanced technologies without substantial upfront investment in IT infrastructure.

ISG's choice of Multi Public Cloud Services for the name of this study results from the

Multicloud is becoming the norm and complements **business needs** to achieve **optimum results.**



prominence of multicloud environments in the IT industry. It also corroborates our research, where it was observed that around one-third of all enterprises use at least one public cloud, with the remaining using two public clouds and three cloud providers, respectively, and a small percentage using four or more public clouds. This multicloud environment has created an additional layer of complexity in managing the cloud infrastructure, leading the enterprise community to opt for an external service provider instead of managing complex environments by themselves. However, the skill shortages have made procuring the right resources for these requirements challenging. An individual with exposure and qualifications across multiple clouds is considered more valuable as they can enable effective hybrid cloud implementations and operations across most organizations. Multiple certifications also help ensure alignment and requirement fulfillment for future engagements with multiple clouds. Therefore, organizations are encouraged to leverage service providers to get the necessary skills and technologies to grow their

business and get the most value from the latest advanced technologies to drive innovation and competitive advantage.

Based on ISG's estimates, we have observed that the overall cloud services market has grown by approximately 50 percent in the U.S. since last year. However, when we looked at the global geography, the growth was more than 100 percent during the period. This shows that although the U.S. is one of the major markets in the world, its growth rate is half when compared to the global cloud services growth rate. In the ISG Index™ call for the Americas market, we reported that the combined market (managed services and XaaS) witnessed a seven percent decline in the first nine months of 2023, with the annual contract value (ACV) reaching \$35.4 billion. ISG observed slowing demand for XaaS, with year-to-date spending declining at 16 percent. However, managed services gained traction and grew by six percent, with ACV reaching \$15.7 billion. ISG also observed that a total of 1,090 managed services contracts were signed in the first nine months of 2023. Within Managed Services, the ITO market grew

by 21 percent to \$11.6 billion, while the BPO market slid by 20.5 percent to reach an ACV of \$4.2 billion.

Recently, ISG rolled out the Star of Excellence™ program, which is based on the voice of the customer concept. Here, providers are rated on six parameters, namely Service Delivery, Governance and Compliance, Collaboration and Transparency, Innovation and Thought Leadership, People and Culture Fit, and Business Continuity. The scores and data come from the Star of Excellence™ study that measures CX with providers based on direct client feedback. ISG found that the average provider CX score for the public cloud domain in North America was 79.9 in 2022. Cognizant, Computacenter, DXC Technology, HCLTech, HPE and Infosys are the top six providers with above-average CX scores. Infosys won the overall global public cloud Star of Excellence™ award for 2022.

ISG also conducted an individual research study on Cloud Buyer behavior in 2022. The findings helped several enterprises make better purchasing decisions around choosing

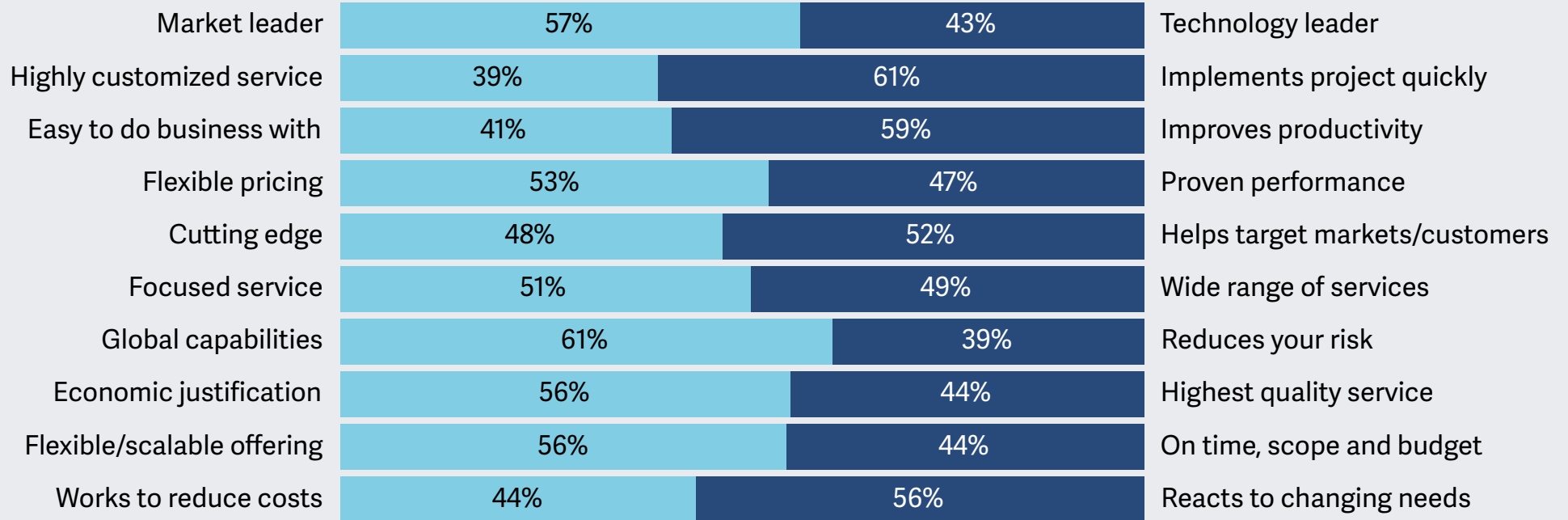
cloud providers and managed services partners. Below is a snapshot of what traits enterprises look for in an MSP to support cloud adoption.

Per the findings, preferred MSP traits varied greatly between organizations that have rapidly adopted the cloud versus those that are more conservative. Organizations that are slowest in migration are more likely to prefer flexibility, scalability and market leaders that can demonstrate financial justification, compared to mature organizations and cloud pioneers who focus on performance, technology expertise and quality.

Some of the trends observed over the last year are as follows:

- **Cloud-native focused approach:** For many enterprises in the U.S., migrating their workloads to public cloud environments by leveraging cloud-native technologies has become a priority. While lift-and-shift can be a quick way to move applications to the cloud, it does not fully leverage the capabilities of cloud-native technologies and can lead to inefficiencies and limitations in the long run. Cloud-native technologies





Source: 2022 ISG Cloud Survey Research



are designed to take full advantage of the cloud environment, and this involves breaking down monolithic applications into smaller, independent microservices that can be developed, deployed and scaled independently. Packaging these microservices into containers provides a consistent and isolated runtime environment across different cloud platforms. The process includes containerization, microservices, serverless computing and orchestration tools like Kubernetes that enable highly scalable, resilient and agile applications, which are key attributes in today's fast-paced digital economy. Service providers are expanding their cloud-native practices to support this transformation. They are helping U.S.-based organizations develop strategies for adopting containerization and microservices, guiding best practices and offering tools and services to facilitate the transition. By doing so, the providers are playing a crucial role in helping enterprises unlock the full potential of the cloud.

- **Mature AIOps offerings:** With the increase in enterprise demand for automated migration and operations, there is a rise in the improvement of intelligent automation capabilities by leveraging AI and ML technologies. As these technologies mature, AIOps solutions will become more powerful and sophisticated. The solutions will be able to identify real problems and provide meaningful insights from large volumes of structured and unstructured data, false positives and false negatives. MSPs are increasing the use of AIOps capabilities and are offering a 30 to 50 percent reduction in their operational activities, depending on their toolset and AI maturity. These AIOps solutions analyze large volumes of data, identify meaningful patterns and provide insights that support proactive responses. Over the years, AIOps solutions have matured to become prescriptive and self-heal some issues in an automated manner.
- **FinOps has become table stakes:** Enterprises have been experiencing a surge in cloud consumption, making managing and optimizing cloud expenses a top priority

for many businesses. FinOps has helped several clients eliminate cloud waste and bring financial accountability to the variable spend model of the cloud, enabling teams to make business trade-offs between speed, cost and quality. As a result of these benefits, FinOps has grown increasingly popular. This growth is driven by the increasing need for businesses to gain better visibility into their cloud costs and usage and align their cloud investments with business outcomes. ISG has observed that no single FinOps tool offers all functionalities; therefore, clients can choose service providers that integrate FinOps tools to provide comprehensive cost management dashboards.

The **Consulting and Transformation Services for Large Accounts** quadrant for the U.S. geography continued the growth momentum in the last four quarters. Some key reasons include enterprises understanding the true business value of moving to the public cloud, which has led to increased adoption of cloud technology. It has also made the enterprise community realize that leveraging multiple cloud technologies will enable them to use

the best technologies, leading to improved CX and increased revenues. However, enterprises have been cautious about what workloads to move to the public cloud, pausing some future migration projects and focusing on optimizing the workloads on existing cloud environments. There is an increased focus on integrating AI and ML technologies to automate processes, resulting in cost savings and process improvements. Large global U.S.-based enterprises are looking at service providers with industry-specific solutions, cloud-native transformation capabilities, automation-focused migrations and expertise in hybrid cloud integrations. In that vein, service providers in the U.S. are focusing on a business-value-driven strategy to aid enterprises in efficiently assessing workload migration to ideal landing zones, including multiple public cloud infrastructures (which could be a part of a hybrid cloud strategy). The providers are also growing their cloud-native practice and helping clients with their container and microservices strategy. As enterprise customers realize that the lift-and-shift method of migrating to the cloud will not benefit them in the long term,



workloads must be rearchitected by leveraging cloud-native technologies.

In offering **Consulting and Transformation Services for Midmarket** on public cloud infrastructure, providers continue to focus on targeting their sweet spot, SMEs, as the large global service providers fail to give attention to these enterprise segments. The midmarket providers have been nimble and accommodating to go above and beyond to satisfy clients' requirements. This attribute has enabled the providers to bring out innovative solutions, with automation being a key element in the engagements. Several midmarket providers also leverage proprietary and third-party automation platforms to automate most of the manual tasks in any transformation engagements, such as application discovery, migration readiness assessment, roadmap creation, application severity mapping, migrating to the decided landing zones and much more.

With U.S.-based SMEs at a nascent stage of cloud technology adoption compared to mature global enterprises, most migration engagements continue using the lift-and-shift

methodology to accelerate the migration process. The SMEs also have comparatively less experience moving to the cloud, with their apprehensions toward securing their data on the cloud covered by the service providers' secure transformation expertise and capabilities. ISG has observed that enterprises are engaging at an increased capacity with the midmarket providers as they offer far better flexibility and agility toward any requirements than large service providers. Enterprises are happy with the outcomes and awarding more contracts to these midmarket providers.

In the U.S., the public cloud **Managed Services for Large Accounts** market has been growing steadily and has the highest share compared to other markets. Per last year's individual research conducted by ISG, we observed that most large global organizations have already started to use two or more hyperscalers (2.4 clouds on average) for different applications, and we believe this trend will scale up considerably. This multicloud ecosystem has created an additional layer of complexity. ISG also saw providers investing significantly in developing next-generation AI- and ML-led

automation solutions by leveraging large learning models (LLMs) to predict and identify bottlenecks, improve the accuracy of budgeting and forecasts and enhance the overall operational efficiency. GenAI has been one of the hot topics, and providers have developed several solutions and use cases around this to help clients improve their CX. Based on this research, ISG additionally noted that almost all providers offered FinOps services, which have become table stakes and are increasingly challenging for the service providers to find new ways of optimizing cloud resources and reducing cloud bills.

Apart from the traditional managed services, providers have been developing comprehensive offerings that include automated provisioning and orchestration, service scheduling, cost controls, container management, workflow automation, cloud resource optimization, and more to differentiate the managed public cloud service offerings. Service providers have also started curating industry-specific solutions using their vast experience catering to clients in those industries. This expertise enables them to create customized managed services aligned

to particular industry vertical regulations and compliance requirements.

In the U.S., the public cloud **Managed Services for Midmarket** has been growing rapidly. Due to relatively less exposure and experience with cloud technology, SMEs often need service providers to support them in decisions around cloud configuration, security, data lakes and analytics, DevOps automation and cost optimization. Midmarket clients show increasing interest in cloud-native application development frameworks as well. Enterprise clients who find cloud platforms challenging to understand and those who do not have the time to undergo extensive training and certification will most likely find the midmarket service providers as ideal partners to accelerate their agile development toward a cloud-native app development organization. Enterprises continue to demand service providers' support for DevOps automation to enable CI/CD pipeline automation, which prompts the need to support container utilization. Cost management and cloud resource consumption control have also been prominent in several deals.



The cloud financial management practice has rapidly grown in the last four quarters, and **FinOps Services and Cloud Optimization** are becoming increasingly important for businesses of all sizes. Enterprises often require service providers' assistance to assess options to reduce rising cloud bills. With FinOps services and tools in their managed service offering, midmarket service providers can enable clients to check their multicloud spending, optimize consumption and cloud resources, and reduce cloud waste and bills. As the complexity of managing cloud costs increases, many organizations choose to outsource their FinOps functions to MSPs, with almost all their conversations with clients around FinOps and improving efficiencies. Enterprises also realize the importance of incorporating FinOps practices early in their cloud migration projects for better management and cost optimization. With businesses becoming more accountable for their cloud costs using FinOps, using cloud resources is more efficient, resulting in better financial outcomes. As a result, the FinOps domain continues to grow with an increasing demand for FinOps practitioners with solid

technical skills. This leads to a greater emphasis on training and upskilling within the industry. Based on the recent survey by the FinOps Foundation, the average FinOps team size has grown by 75 percent in the last 12 months, and it is expected to grow by another 50 percent in the coming year. Enterprises are also starting to link their sustainability goals with their FinOps practices, as companies can reduce their environmental impact by optimizing their cloud usage. These trends indicate that FinOps is critical to a successful cloud management strategy. With more businesses migrating to the cloud, the demand for FinOps Managed Services is expected to continue growing.

The **Hyperscale Infrastructure and Platform Services** market continues to be very competitive. Providers such as Amazon Web Services (AWS), Microsoft Azure and Google Cloud dominate the U.S. market, leveraging their extensive infrastructure, advanced technology offerings and wide range of services to maintain their leading positions. These major players have continued to invest heavily in expanding their global data center footprint and enhancing their service offerings to meet

the growing demand for cloud-based solutions. There has also been a continued focus on improving energy efficiency and sustainability in data center operations. This is primarily driven by increasing awareness of the environmental impact of data centers and the need to comply with stricter regulations on energy use and carbon emissions. One of the market's major trends in 2023 is increasing investments into GenAI capabilities, where hyperscalers have developed several services and showcased use cases around GenAI so that users start preferring their cloud infrastructure over others. With cloud providers continuing to distinguish their offerings in 2023, enterprises will have the opportunity to make informed decisions about placing their workloads in the future. With a multicloud strategy, applications can access the best-of-breed services available for their use case, whether an industry-specific cloud solution, a specialized database or an AI and ML service. Despite these ongoing trends, the IaaS and PaaS market landscape has not seen significant shifts or disruptions over the past year — the same key players continue to lead the market, and the demand for hyperscale

services remains strong across various industry sectors. However, with the rapid pace of technological advancement and the ever-evolving needs of businesses, ISG predicts that the market will continue to evolve and grow.

With the recent increase in demand for migrating mission-critical workloads to cloud environments, more enterprises are experimenting with various combinations of cloud and taking significant risks to become more agile. ISG observes enterprises wanting to rapidly move their SAP applications and workloads to the public cloud. Enterprises must also check partner credentials and migration automation tools while choosing their cloud platform to achieve the desired results. The SAP HANA Infrastructure Services provides numerous advancements, especially pertaining to hyperscalers. The top hyperscalers in this space offer automated tools to accelerate RISE with SAP migrations, providing a safe path for hesitating customers and anything that can help seamlessly migrate SAP workloads to their environments. SAP continues to push the RISE with SAP initiative, accelerating cloud migrations. However, typical SAP



clients have more than SAP S/4HANA. They simultaneously use legacy ERPs, analytics tools, data warehouses, sales and service automation, CRM, e-commerce, HCM and other SAP or competitors' products. The U.S. market in this domain remains a battle between AWS and Microsoft Azure. Google Cloud took a price-competitive approach but had limited success. The overall **SAP HANA Infrastructure Services** will almost certainly continue to grow even further in the coming years, where enterprises will slowly move all their large instances and workloads with complex environments to the public cloud environments.

The cloud infrastructure underpins most new technological disruptions. To mitigate the increasing costs and complexity of managing services on major public clouds such as AWS, Azure and Google Cloud, enterprises outsource their transformational and operational activities through the service provider community. They leverage advanced technologies and AI- and ML-led automation to efficiently migrate and manage workloads on the public cloud.





Provider Classifications: Quadrant Key

Product Challengers offer a product and service portfolio that reflect excellent service and technology stacks. These providers and vendors deliver an unmatched broad and deep range of capabilities. They show evidence of investing to enhance their market presence and competitive strengths.

Contenders offer services and products meeting the evaluation criteria that qualifies them to be included in the IPL quadrant. These promising service providers or vendors show evidence of rapidly investing in products/ services and a follow sensible market approach with a goal of becoming a Product or Market Challenger within 12 to 18 months.

Leaders have a comprehensive product and service offering, a strong market presence and established competitive position. The product portfolios and competitive strategies of Leaders are strongly positioned to win business in the markets covered by the study. The Leaders also represent innovative strength and competitive stability.

Market Challengers have a strong presence in the market and offer a significant edge over other vendors and providers based on competitive strength. Often, Market Challengers are the established and well-known vendors in the regions or vertical markets covered in the study.

★ **Rising Stars** have promising portfolios or the market experience to become a Leader, including the required roadmap and adequate focus on key market trends and customer requirements. Rising Stars also have excellent management and understanding of the local market in the studied region. These vendors and service providers give evidence of significant progress toward their goals in the last 12 months. ISG expects Rising Stars to reach the Leader quadrant within the next 12 to 24 months if they continue their delivery of above-average market impact and strength of innovation.

Not in means the service provider or vendor was not included in this quadrant. Among the possible reasons for this designation: ISG could not obtain enough information to position the company; the company does not provide the relevant service or solution as defined for each quadrant of a study; or the company did not meet the eligibility criteria for the study quadrant. Omission from the quadrant does not imply that the service provider or vendor does not offer or plan to offer this service or solution.



The ISG Provider Lens™ 2023 – Multi Public Cloud Services study analyzes the relevant software vendors/service providers in the U.S. market, based on a multi-phased research and analysis process, and positions these providers based on the ISG Research™ methodology.

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The research and analysis presented in this report includes research from the ISG Provider Lens™ program, ongoing ISG Research™ programs, interviews with ISG advisors, briefings with service providers and analysis of publicly available market information from multiple sources. The data collected for this report represent information that ISG believes to be current as of November 2023 for providers that actively participated and for providers that did not. ISG recognizes that many mergers and acquisitions may have occurred since then, but this report does not reflect these changes.

All revenue references are in U.S. dollars (\$) unless noted otherwise.

The study was divided into the following steps:

1. Definition of Multi Public Cloud Services market
2. Use of questionnaire-based surveys of service providers/vendors across all trend topics
3. Interactive discussions with service providers/vendors on capabilities and use cases
4. Leverage ISG's internal databases and advisor knowledge and experience (wherever applicable)
5. Detailed analysis and evaluation of services and service documentation based on the facts and figures received from providers and other sources.
6. Use of the following main evaluation criteria:
 - * Strategy & vision
 - * Innovation
 - * Brand awareness and presence in the market
 - * Sales and partner landscape
 - * Breadth and depth of portfolio of services offered
 - * Technology advancements



Author & Editor Biographies

Author



Shashank Rajmane
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Shashank Rajmane has more than a decade of extensive experience in research and works as a Principal Analyst at ISG. He leads the efforts for ISG Provider Lens™ studies — Public Cloud Services & Solutions and Private/Hybrid Cloud & Data Center Outsourcing Services. He also authors the U.S. and Global reports. Apart from these, Shashank has been part of many consulting engagements and helping ISG's enterprise clients with their cloud strategy, along with selecting the right service providers/vendors based on their IT-related buying requirements.

He has authored several white papers, thought leadership articles, briefing notes, blogs and service provider intelligence reports, especially in the next-generation hybrid cloud and infrastructure services domain. Shashank has also delivered several workshops, webinars and podcasts and has been quoted in IT journals.

Enterprise Context and Overview Analyst



Chandra Shekhar Sharma
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Chandra Shekhar Sharma is a Research Specialist at ISG and is responsible for supporting ISG Provider Lens™ studies on Public Cloud and Private Hybrid Cloud Data Center Solutions and Services. He supports the lead analysts of multiple regions in the research process and authors the global summary report. Shekhar is responsible for delivering enterprise' perspective for IPL and collaborates with analyst, advisors, and enterprise clients on various ad-hoc research requests.

He comes with over 9 years of research and consulting experience into IT industry. Prior to this role, he has been associated with several custom market and procurement research firms, in which he has delivered actionable insights and recommendations around market sizing & forecasting, industry level trends and drivers, procurement best practices, sourcing models and strategy, competitive benchmarking, market share analysis and vendor landscape for industry verticals such as IT hardware, IT services, transportation and warehousing.





IPL Product Owner

Jan Erik Aase
Partner and Global Head – ISG Provider Lens™

Mr. Aase brings extensive experience in the implementation and research of service integration and management of both IT and business processes. With over 35 years of experience, he is highly skilled at analyzing vendor governance trends and methodologies, identifying inefficiencies in current processes, and advising the industry. Jan Erik has experience on all four sides of the sourcing and vendor governance lifecycle - as a client, an industry analyst, a service provider and an advisor.

Now as a research director, principal analyst and global head of ISG Provider Lens™, he is very well positioned to assess and report on the state of the industry and make recommendations for both enterprises and service provider clients.



ISG Provider Lens™

The ISG Provider Lens™ Quadrant research series is the only service provider evaluation of its kind to combine empirical, data-driven research and market analysis with the real-world experience and observations of ISG's global advisory team. Enterprises will find a wealth of detailed data and market analysis to help guide their selection of appropriate sourcing partners, while ISG advisors use the reports to validate their own market knowledge and make recommendations to ISG's enterprise clients. The research currently covers providers offering their services across multiple geographies globally.

For more information about ISG Provider Lens™ research, please visit this [webpage](#).

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ISG

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Founded in 2006, and based in Stamford, Conn., ISG employs more than 1,600 digital-ready professionals operating in more than 20 countries—a global team known for its innovative thinking, market influence, deep industry and technology expertise, and world-class research and analytical capabilities based on the industry's most comprehensive marketplace data.

For more information, visit isg-one.com.





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