CloudForte®

MOVING THE NEEDLE ON YOUR CLOUD SUCCESS BAROMETER

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According to IDG,[1] cloud is the third most purchased technology in enterprises today and comprises 30% of IT budgets for next year. However, our *Unisys Cloud Maturity Barometer Study 2019* finds that **one in three cloud migrations fail to meet expectations.**[2] [link] While cloud adoption continues to ramp up worldwide, the barometer reading for measuring success and delivering results is not entirely good.

Our independent study shows that organizations are clearly committed to bringing cloud technology to their businesses by transforming critical applications (93%), but why are so many only marginally successful? Our study shows:

- 30% said their cloud migrations failed to meet expectations
- 42% fear they may be behind in technology, and the market may leave them behind
- 37% feel they've missed out on business opportunities due to poor cloud execution or strategy, while 41% fear the competition will innovate first

Clearly, many organizations could do better to "move the needle" further and achieve far better results with cloud. The study indicates that fears of lost opportunities, lagging technology, and competitive challenges are symptoms of broader issues in cloud adoption. To do better, enterprises need to make cloud a center point of their core strategy, aligned with their business goals, application portfolio, and supported with strong planning and execution.

Move the Needle on These Cloud Success Factors

The Unisys Cloud Barometer™ measures the level of organizations' cloud satisfaction across key areas of Business, Competitive, and Technology factors (see sidebar). These factors are essential to addressing cloud expectations. One of the most salient results of our study shows that making cloud a core component of the organization's business is the first step to achieving greater cloud success, including:

- **Leverage agility** to better meet market/customer demands using cloud apps, tools, and infrastructure
- **Gain competitive advantage**(s) using cloud innovations and modernized applications
- **Improve security** through advanced cloud security measures
- **Attain higher productivity** when deploying cloud tools to your workforce

> *Survey data shows that 71% of organizations that use or plan to use third-party services to manage transitions have experienced greater organizational effectiveness.*

[1] IDG. 2019 Cloud Purchase Process.

[2] An independent study conducted by **Reputation Leaders**, August-September 2019, interviewed 1075 CIOs and IT leaders in 13 regions of the USA, LATAM, ASIA-PAC, EMEA and the UK.

Do the Math Yourself: Where's the Needle on Your Cloud Barometer?

The Unisys Cloud Barometer provides a statistically robust measure of how well cloud expectations are being met in six areas across business, competitive, and IT benefits:

How well have your organization's cloud transformation expectations been met?

Weighted scores:

Expectations exceeded	100 points
Expectations mostly met	50 points
Expectations somewhat met	0 points
Well below expectations	0 points
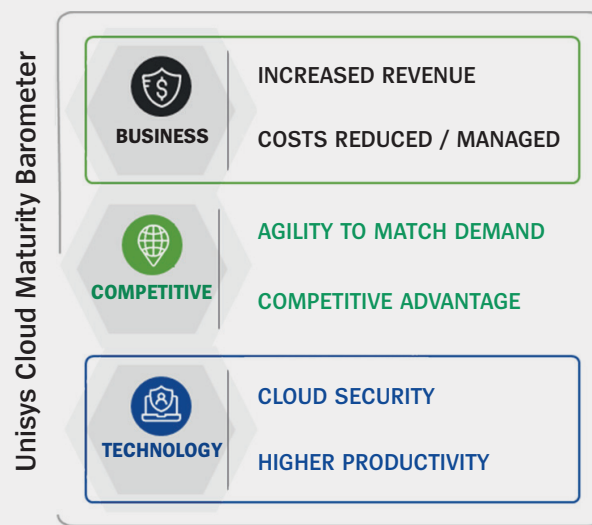
83% of those organizations surveyed that are committed to cloud as their core said organizational effectiveness improved, on average, over 68% for the better (see Figure 1). And 71% indicated they have used or intend to use third-party services to manage their transitions. Results clearly show that implementing core cloud is a foundation for greater success. But transformation to core cloud can be a challenge.
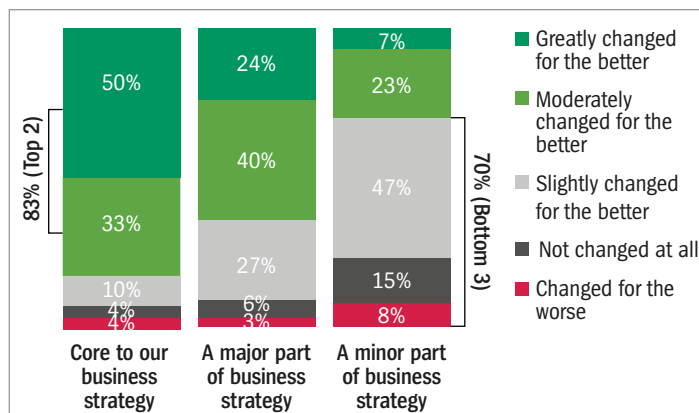

Figure 1. 83% better results when cloud is core to business strategy.

Top Cloud Transformation Challenges

One key take-away from our survey is that building cloud as your business core adds significant value. Yet, on average, two-fifths (41%) of organizations' IT infrastructure is still held on physical data centers or legacy systems. Government and public sector IT lag the most in adoption: cloud is only 19% of their current IT environment. The largest organizations (more than 5,000 employees) are the most likely to be tied to on-premise data centers, at 36%. But safely transforming these legacy and on premises assets to cloud is a concern to the IT professionals we surveyed. Many felt that third-party providers were the best route to achieving success in transforming to a core cloud architecture.

According to our study (see Figure 2), IT leaders indicated that they need third-party support for greater cloud success end-to-end in these key areas:
- Security
- Migration to cloud
- Cloud assessment and planning
- Managing complex hybrid cloud environments
- Application design or infrastructure design
- Tracking results
- Ongoing management and governance
- Roadmaps to success
- Organizational change management
- Architecture and tools
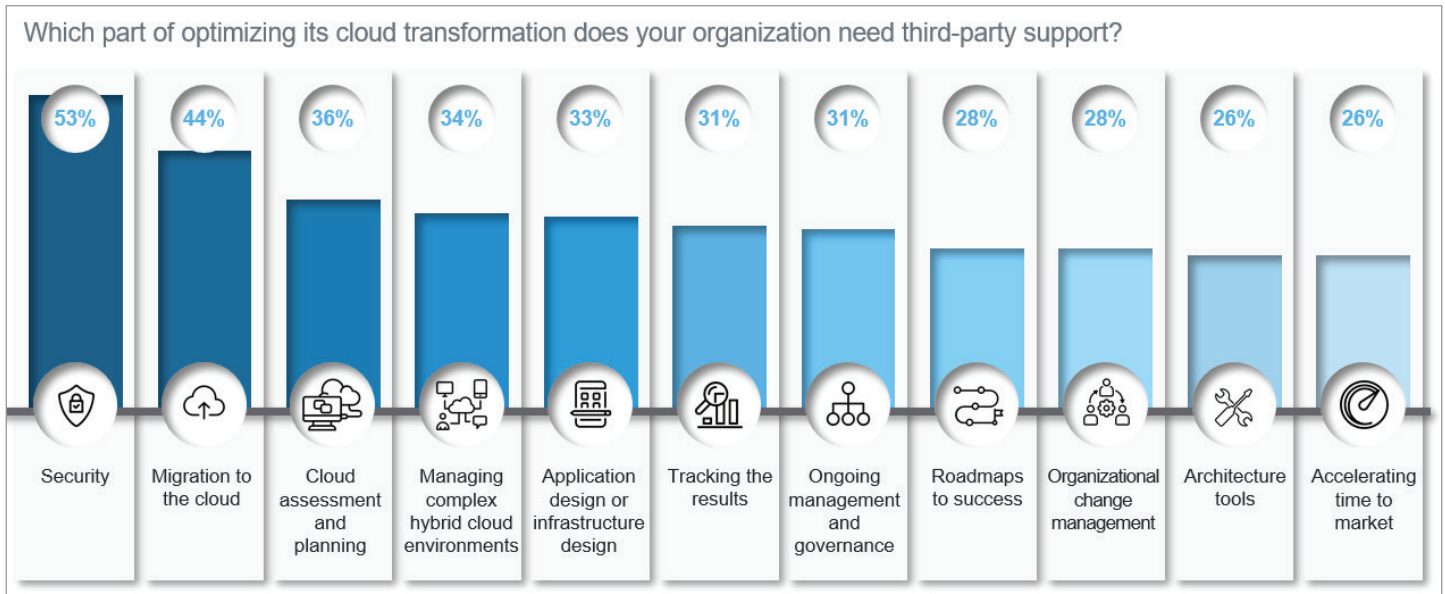- Accelerating time to market

Figure 2. Transformation optimization requiring third-party support.

To improve your chances for success in these areas, Unisys CloudForte® offers a comprehensive array of services that IT leaders are looking for across the spectrum of cloud maturity. Unisys can help wherever a client is in their strategy and execution, from assessment through ongoing cloud operations, including:

Security. Unisys CloudForte Advisory services begins each engagement with a 'security first' mindset. Before any substantive cloud implementation, architects lay the groundwork for a core security foundation that includes assessment of current and future security requirements. All potential cloud designs incorporate the security foundation, which includes Unisys' award-winning Stealth™ technology. All third-party clouds are deployed with best practice security measures, with continual and ongoing security optimization as an optional service.

Our Cloud Compliance Director™ natively connects to your cloud to provide real-time and instantaneous feedback on your level of exposure and compliance to standards such as FISMA, PCI, GDPR, HIPAA, and dozens more. Periodic, real-time compliance evaluations can be performed at any time.

Migration. Unisys system architects and engineers take final designs and begin shadow deployments in parallel with production systems. Services include capabilities for industrial-grade modernization of legacy applications through identification of legacy IT assets and prioritization of their migration to the cloud. After extensive testing of live data, systems are cut over to production and monitored for security, reliability, and performance.

Assessment and Planning. Unisys begins with advisory services delivered through our Cloud Center of Enablement. Using our unique Unisys Cloud Architecture Navigator (UNav™), we employ extensive discovery tools to assess current system states and architectural and application integrity. These metrics are used in the planning stages to ensure an architecture that best suits the specific business goals of every client matched against continually updated industry best practices.

Management, Governance Services, and Tracking Results. From single public cloud to complex hybrid cloud environments, CloudForte Services can manage any and all aspects of a client's cloud. Security, compliance, DR, governance, and daily maintenance are performed worldwide at client sites by over 1,100 certified Unisys technicians. Unisys also provides an automated Software-as-a-Service platform to identify and provision private, public and hybrid cloud services to deliver the most effective and efficient resources for a given task—including cost management. We employ real-time analytics and a transparent, single-pane management for all public, private, and hybrid environments, and pre-populated blueprints in self-service catalogs for simplified implementation and secure governance. And the same single-pane management enables you to track results—from cost to performance to security.

Application and Infrastructure Design and Tools. After Roadmap approval, Unisys Architects can quickly design a safe and secure transformation for applications and infrastructure, choosing from the best available applications and tools. As a leading vendor-neutral service provider, Unisys can help clients select just the right applications and tools from top, trusted vendors.

Unisys CloudForte also delivers full application modernization services. We aid clients in legacy application re-engineering or creating full DevOps environments from the ground up, helping you select the right tools and methods for application portfolio alignment to business objectives.

Roadmaps. Unisys' collaborative model for cloud transformation is a customer-intimate and agile team effort which assigns goals, a team leader, client team members chosen for their expertise, and clearly defined roles for each, matched to the client's goals. Unisys provides every client with extensive Roadmaps of proposed designs for consideration and modification before work begins. Clients can clearly see the schedule, stages, and options available for transforming their environment, with a team uniquely qualified to execute the plan.

Accelerating Time to Market. Best of all, Unisys has developed its own fast-track intellectual property for migrating to the leading cloud (Azure, AWS) platforms, enabling clients to get to the cloud safer and faster than other cloud transformation methods.

Other Opportunities to Move the Needle

In our study, individual interview questions turned up several other notable trends and themes among the respondents that underscore the core cloud challenges we help clients solve. From the data, we found:

Cloud is a business issue. With businesses accelerating digital transformation, our study found almost all the organizations (93%) are already transitioning critical applications to the cloud. However, only one in three are seeing the benefits: 33% of business leaders reported slight or no improvement to organizational effectiveness following cloud transitions.

Clearly, cloud alone does not guarantee success—to meet or exceed expectations, organizations must look at cloud as a cultural and structural transformation—not as a mere technology "fix." The survey numbers bear that out, as 77% believe that cloud is in fact a business issue. Business leaders in the study indicated that the key to successfully capturing the full benefits of cloud, organizations need to include significant training and upskilling of employees.

IT and management within organizations need to transform for greater success—through training, adopting a cultural shift, and embracing agile processes. Unisys heavily emphasizes training and customized, on-site workshop services to help companies truly transform their organizations—from IT to the business suite. Our Cloud Center of Enablement (CCoE) includes a resource service that delivers a wealth of best practices gathered from our global engagements at some of the most complex cloud installations. CCoE includes advisory, infrastructure transformation, operational, optimization, and application modernization services delivered by more than 1100 professionals with cloud certifications. As cloud evolves, CCoE clients benefit from the latest advances through CCoE services. Digital disruption using technologies enabled by cloud adoption including Internet of Things(IOT), artificial Intelligence, and blockchain enable companies to gain a competitive business advantage using CCoE services. Clients can also deploy CCoE resources at their organization, acting continuously on premises on their behalf to ensure systems and practices are fully optimized, compliant, and leverage the latest advances. It's a great 'always on' technical resource.
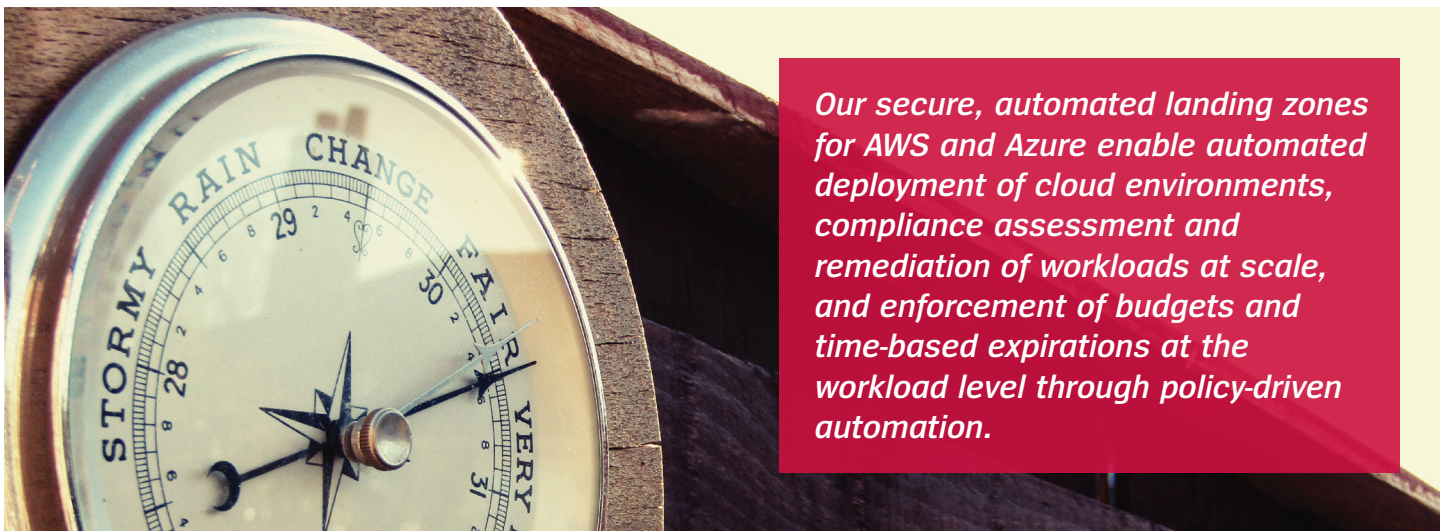
Our secure, automated landing zones for AWS and Azure enable automated deployment of cloud environments, compliance assessment and remediation of workloads at scale, and enforcement of budgets and time-based expirations at the workload level through policy-driven automation.

Multi-cloud is gaining ground yet introduces complexity.
Respondents indicated that 28% had already adopted multi-cloud in their organizations, with mixed results. Multi-cloud complexity—the integration of multiple clouds and potentially multiple cloud services—further stretches the resources within many organizations: they simply do not have the qualified personnel to architect, deploy, and maintain multiple cloud infrastructures, despite the business advantages they stand to gain. However, the survey data shows that those organizations that use or plan to use third-party services to manage such transitions, 71% have experienced greater organizational effectiveness.

With top certifications in all major cloud platforms (Azure, AWS, Google), Unisys can immediately serve organizations by helping them design the right multi-cloud, implement it, train staff, and manage the on-going operations through Unisys services. As a vendor-neutral supplier we are uniquely qualified in assessing and recommending solutions that fit core cloud business needs first. Our U-Nav Cloud Architecture Navigator can assure clients that their multi-cloud environments embody the latest best practices for cost, security, reliability, performance, and operational excellence. Periodic, scheduled Unisys evaluation services ensure that cloud and multi-cloud are all fully optimized, secure, and compliant.

CloudForte for Greater Cloud Success

The *Unisys Cloud Maturity Barometer Study* has shown that to move the needle to greater cloud success, organizations must embrace cloud as a core part of their business strategy to reap the greatest benefits. Those that do, see better returns across all three key success categories—Business, Competitive, and Technology. Increased satisfaction, competitive advantages, and better security are among the rewards that 'core cloud' organizations realize.

To move the needle on your own cloud success, turn to Unisys. Our CloudForte suite of services can accelerate your core cloud adoption through a comprehensive, end-to-end solution for any type of cloud engagement. Our extensive, global expertise and guidance on security, planning, and cloud business strategies create a solid foundation for your core cloud. CloudForte design, deployment, and application modernization transform your legacy assets into digital innovation. And in your on-going business evolution, CloudForte Services keep your systems secure, fully optimized, and ready for any new business challenge.

For more information, visit us at unisys.com/CloudForte

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