Point of View

Get Cloud Smart with Amaze®. Win Big with Rapid Cloud Transformation
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**End-user spending on public cloud services**

<table>
<thead>
<tr>
<th>Year</th>
<th>Spending</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>$396 billion</td>
</tr>
<tr>
<td>2022</td>
<td>$482 billion</td>
</tr>
</tbody>
</table>

**Source:** Gartner (August 2021)
Abstract

Cloud migration is fast becoming the most desired strategy for many big and small enterprises. Unlike in the past, when cloud was seen as just a cost-cutting solution, enterprises today look at the cloud for much more. This point-of-view highlights what the industry thinks about cloud transformation, the challenges, and how amaze®, Hexaware's proprietary cloud replatforming product suite, gives a competitive advantage by leveraging automation. It also discusses why technology will be at the forefront when an enterprise thinks about moving to the cloud and how to make sure that the underlying challenges do not become showstoppers.
The ongoing pandemic has made it bold and clear that cloud transformation is not a necessity anymore. It is a prerequisite to survive in the future and save yourself from the burden of ever-increasing IT spends. The cloud migration should not be seen anymore as just a cost-saving exercise. A strategic cloud transformation goes much beyond this and brings you the advantage of rapid and flexible legacy on-premise application and database migration, maximum automation, improved development productivity, agile-based development and deployment, better handling of change requirements, and much more.

A recent survey by Tech Monitor highlights that cloud was cited by tech leaders as one of the 3 fastest spend areas globally. Cloud migration has become a high priority, skills related to the cloud are in great demand, and it has become quite challenging to recruit cloud experts.

As per one research by Gartner®,[1] “global cloud adoption will continue to expand rapidly. Gartner forecasts end-user spending on public cloud services to reach $396 billion in 2021 and grow 21.7% to reach $482 billion in 2022 (see Table 1). Additionally, by 2026, Gartner predicts public cloud spending will exceed 45% of all enterprise IT spending, up from less than 17% in 2021”.

### Worldwide Public Cloud Services End-user Spending Forecast (Millions of U.S. Dollars)

<table>
<thead>
<tr>
<th>Service</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud Business Process Services (BPaaS)</td>
<td>46,066</td>
<td>51,027</td>
<td>55,538</td>
</tr>
<tr>
<td>Cloud Application Infrastructure Services (PaaS)</td>
<td>58,917</td>
<td>80,002</td>
<td>100,636</td>
</tr>
<tr>
<td>Cloud Application Services (SaaS)</td>
<td>120,686</td>
<td>145,509</td>
<td>171,915</td>
</tr>
<tr>
<td>Cloud Management and Security Services</td>
<td>22,664</td>
<td>25,987</td>
<td>29,736</td>
</tr>
<tr>
<td>Cloud System Infrastructure Services (IaaS)</td>
<td>64,286</td>
<td>91,543</td>
<td>121,620</td>
</tr>
<tr>
<td>Desktop as a Service (DaaS)</td>
<td>1,235</td>
<td>2,079</td>
<td>2,710</td>
</tr>
<tr>
<td><strong>Total Market</strong></td>
<td>313,853</td>
<td>396,147</td>
<td>482,155</td>
</tr>
</tbody>
</table>

BPaaS = Business Process as a Service  
IaaS = Infrastructure as a Service  
PaaS = Platform as a Service  
SaaS = Software as a Service  
Note: Totals may not add up due to rounding.  
Source: Gartner (August 2021)
This proves beyond doubt that cloud is the future and will be the backbone of business sustenance. Cloud adoption is inevitable and is no longer just an option.

"We focus on whether enterprises can adopt the cloud easier, faster, and better, in a way that delivers a lot of outcome and value to the enterprise."

Hexaware’s amaze®, an automation-based cloud replatforming product suite, focuses on how to take you there faster, make your business better, and decrease your IT spends considerably by leveraging extreme automation and open-source platforms.
Realizing true value from cloud migration needs to be based on a solid foundation that suits your organizational capabilities and culture. There is no one-size-fits-all solution. If cloud adoption is not executed in the right way by taking right steps at the right time, there are challenges as well. If these challenges are tackled strategically with a thorough consultation by cloud experts from the early stages itself, such challenges can be anticipated quite easily and won’t become showstoppers.

The vision of understanding business benefits from cloud transformation has not evolved much and there is an ample opportunity to realize that migrating an application to the cloud is not just putting an application in the cloud. Being on the cloud and leveraging maximum cloud benefits requires good architectural skills as well as business vision and strategy. Hexaware believes this is an area we should help our customers to understand and leverage. There is a myth that just getting into the cloud brings in high cost savings. We have seen some cases where the costs inflated after moving to the cloud. Cloud migration can save costs, but it all depends on how you use it, how you deploy, how you configure it, how you architect it, and how your application consumes those services.

Hexaware has been assisting its customers consistently (including a few Fortune 500 companies) in adopting cloud in the most cost-efficient, secure, and customizable way, thanks to amaze®. We believe that any enterprise looking for rapid cloud transformation needs to address three key challenges in the first place – cloud-skilled workforce, intelligent architecture that is easy to manage, and state-of-the-art infrastructure that performs seamlessly even during peak load on the application and its related database. Being said that, just having an infrastructure won’t help unless organizations use this infrastructure in their application ecosystem optimally to derive value.
Also, many organizations are worried about how to move an application from a datacenter to a global infrastructure, how secure it is, and how it will influence the business outcomes. Amaze® helps to tackle all these challenges and manages the skillset deficiency as well. It is a game-changer that makes you futuristic in the real sense.

Considering that cloud-related opportunities are going to rise for sure and this will also influence growth of the adjacent components like data, customer experience, security, etc. the cloud education plays a critical role in getting ready for the future and accelerating business transformation.
There is an appreciation in the technology space to look at the cloud as a strategy rather than just a storage solution. The main challenge is how the technology leaders convince their CEOs in articulating a plan and educating the entire enterprise to move to the cloud together.

Technologies in an enterprise are the building blocks for a cloud strategy

The prime building block in an enterprise to build a cloud strategy is the technology stack itself. The technology that an enterprise has been using prior to cloud migration impacts its cloud journey to a great extent. To make the most out of this and turn challenges into opportunities, getting thorough cloud education is inevitable. Cloud education can be four-dimensional to achieve optimum cloud benefits.

**Four Dimensions for Cloud Education:**
- Understanding the Cloud Model
- Technology Research
- Picking the Right Cloud Strategy
- Setting the Leadership Mindset
Understanding the Cloud Model
We have a common thinking that if I have it all in my premise, things are safer. And if I keep it somewhere else, it's not safe. People believe that keeping data in their datacenter is safer. We need to educate them that moving to the cloud doesn’t mean we are making their data vulnerable. In fact, our cloud transformation solution based on amaze® leverages a very secure and robust environment with minimum manual intervention.

Technology Research
Some of the key questions you need to ask yourself when doing technology research for cloud shift- What is the objective that I am trying to achieve, what is the best way to do this, what are the options available, and how do I scale my application. It is the technology that helps enterprises to gain the business outcome. Technology is an evangelist to understand about realizing revenue growth, operational efficiency, profits and margin, and customer satisfaction. Amaze® caters you with the best technologies that are easy to manage and provide maximum ROI in a very short timeframe.

Picking an Apt Cloud Strategy
Moving to cloud is a continuous process and should be backed by a sound strategy that matches your budget, business goals, and of course, the organizational culture. Amaze®, coupled with our diverse cloud expertise, provides you with ample customizable options to zero down on a suitable cloud strategy.

Setting the Leadership Mindset
Shifting to cloud seamlessly requires a top-down approach. If the leadership is convinced that cloud transformation is a vital component for the company’s growth and sustenance, the action plan can be implemented organization-wide more aggressively. From our interactions with various CEOs, we feel that they have a very good understanding about the cloud and are capable to plan a business strategy to drive it for customer satisfaction and business growth.
In terms of technology leaders and their proximity to the CEO, one can say that the pandemic has empowered technology like never before. In many ways, technology has saved the day for enterprises during the pandemic. We have seen that during the lockdown the IT expenses have gone up. The technology today is seen as much more than just IT delivery. It has become a cost-efficient measure and a business driver.

"The pandemic has taken us a decade ahead of what it would have taken otherwise"

The pandemic has helped in accelerated adoption of advanced technology and taken us a decade ahead of what it would have taken otherwise. No enterprise is running today without technology. Technology is an integral part of business enablement. The pandemic has helped us understand the importance of technology and made us realize that technology is not just a support function in an enterprise but a core function in enabling enterprise. Pick any successful organization and you see that it has adopted the best-in-class technology, be it for communication, networking, infrastructure, security, application and data, or even the cloud. IT investments are likely to increase in this area because businesses are realizing savings through this approach and they will push back these savings into the IT investment again for more savings. However, expectations are also rising. So, the service providers are going to have challenges in meeting those.

If we look 2-3 years back, no one may have predicted the kind of technology adoption we witnessed since the pandemic. The pandemic has triggered unexpected growth in certain technologies and the cloud is one of them. But sudden growth comes with its own risks. Thus, enterprises need to have visionary technology leaders. They must engage good advisors and technology vendors/partners to understand the challenges and risks associated with cloud transformation. The role of technologists within their as well as the partner organizations like us is very crucial.
Some of the common challenges here are maintaining steady growth, securing the environment, and making sure that the technology is deployed strategically for desired outcome. Partnership, solutioning, architecting, and technical depth and expertise have become even more important today to help enterprises overcome challenges in the exponential growth of technology.

Amaze® - Your Partner for Impeccable Technology Migration

Amaze® is an enterprise-class cloud replatforming product suite for enterprise Java, .NET, and TIBCO BW applications. It covers everything from cloud readiness assessment to architectural roadmap and deployment for applications, database, middleware, batch, scheduler, etc.

The current version of amaze® is packed with 800+ features for maximum cloud migration benefits with a high level of customization as per your requirements. It comes with a unique algorithm that understands various design patterns and breaks monolithic applications into macro and micro services quite fast. Furthermore, amaze® is automation-led and performs most of the code analysis and refactoring by itself with minimal manual intervention. This ensures that your code is secure at all times.

Our technology facilitates all OLTP transaction databases from Oracle, SQL Server, DB2, and Sybase into the PostgreSQL environment. We also help to move commercial middleware into Spring-based services to provide all the process-level, object-level, and action-level integrations in a very cost-effective manner. When we move applications from on-premise to the cloud by leveraging amaze®, we help customers overcome the licensing limitations and other challenges for maximum TCO reduction.

Our cloud assessment engine detects your problem and we can tell you the solution along with an estimated cost. All this is shown in the assessment report. The report also talks about the scope for implementation of DevOps, CI/CD enablement, and macro and micro services. To increase the consumption of design patterns, we have created an AI engine that learns your specific implementation, customization, or any non-standard practices that you may have adopted.
We have partnered with the hyperscalers like Azure, AWS, and GCP to help our consumers to get the best value for money. Amaze® is the only product that provides enterprise-class migration end to end, be it for application, DB, batch, scheduler, or middleware. It is the only platform that segregates automatically your monolith, fat client, and business implementation into identifiable microservices. It then automates these completely and deploys. It is also the only platform that is platform-agnostic and can deliver in any of these hyperscalers as well as some of the private cloud.

Amaze® ensures unmatchable security and implementation by creating encryption-based algorithms to make sure that your data, apps, and information are protected.
Why we do what we do?

Our cloud transformation solution is based on a solid foundation of what the industry demands now and what it is likely to demand in the future. We analyze the industry requirements thoroughly by following a pentagonal approach.

1. Research by our R&D Team
2. Interaction with Thought Leaders and Analysts
3. Market Research
4. Bottom-up Innovation
5. Identifying Scope of Automation for Ongoing Projects

Our R&D team looks consistently into the challenges that the prospects face and learn how the technology is progressing. We also analyze our ongoing projects and identify real-life opportunities for automation that can add value for our customers meticulously. Our interaction with thought leaders and analyst community provides key directional inputs on what the industry expects from a service provider. We have a dedicated market research team that explores how the hyperscalers are performing, how their platform’s consumption is happening, what our competitors are doing, etc. We have a well-structured product management team to ensure we stay ahead in the race.
All this is complemented strongly by our bottom-up innovation strategy wherein any of our employees are free to come up with ideas that can add value to our customers. Surprisingly, bottom-up innovation has contributed to at least 15% of the 800+ features that amaze® offers.

We pick an application and replatform it to the cloud rapidly in just weeks

Our strategy is to pick an application and replatform it with amaze® in just 3 to 4 weeks that would otherwise take a year to do without amaze®. This ensures active involvement of the customers right from the start and helps us drive the cloud migration journey together in an agile way.
All is Well that Begins Well!

Although cloud transformation is a continuous process, the path you select influences the destination you reach. Amaze® provides optimum mix-and-match of technology and cloud strategy that reduces your TCO by more than 50%, replatforms your applications rapidly to the cloud in just a few weeks, and improves development productivity by 25%. And most importantly, it frees you from the burden of licensing costs and makes your IT spends more rewarding.

So, get on your marks now before someone else takes your spot.
About the Author

Srinivasan Panchapakesan

*Executive Vice President - Management - GTM CLOUD - Hexaware Technologies*

Srinivasan Panchapakesan works with Hexaware as the Global Product and Delivery Head for cloud solutions. He is a goal-driven hands-on leader with over 30 years of IT experience in providing solutions across varied technologies. His expertise includes cloud, agile, DevOps, and modern delivery and solution architecture. With a deep expertise in the domains like healthcare, insurance and life sciences, banking and financial services, capital markets, education, and retail, he has handled several complex business and technological transformation programs successfully for delivering optimum business outcomes to our customers. He is an avid and passionate learner who drives employees to embrace and adapt to new technology trends. His latest innovative and futuristic achievement as a technology evangelist includes Hexaware’s amaze® platform built for providing rapid and extremely cost-efficient cloud solutions.

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About Hexaware  
Hexaware is a global IT services company empowering businesses to realize digital transformation at scale and speed. Our three-pronged strategy of Automate Everything®, Cloudify Everything® and Transform Customer Experiences® endeavors to drive human-machine collaboration for solving complex business problems. We believe technology is a magical thing, and our purpose is to create smiles through great people and technology. We create lasting business value by helping clients offer touchless immersive customer experiences through full-cloud enablement, digital product engineering and extreme automation. Headquartered in New Jersey for North America, London for Europe and Singapore for the Asia Pacific, Hexaware services customers in over two dozen languages from every major time and regulatory zone.

Learn more at [https://www.hexaware.com](https://www.hexaware.com)