

Introduction

Cloud adoption is critical for successful IT modernization to support digital transformation initiatives. Competing in the global economy for customers, investment, and talent requires instant access to relevant data and IT resources that don't compromise on speed, scale, security, or costs. A well-thought-out cloud strategy and consistent execution of this strategy delivers the flexibility and scale that underpins digital business success and data transformation.

To assess cloud adoption maturity, IDC has developed a Cloud Strategy Assessment tool to understand digital business ambitions, cloud strategies, and execution challenges. Based on the results, we have grouped the respondents into three categories — **Cloud Starter**, **Cloud Practitioner**, and **Cloud Master** - to understand what sets the masters apart from their competitors and which best practices we can learn from them in making the cloud and data transformation journey successful.

Well done on your result. Based on your responses to IDC's Cloud Strategy Assessment, your organization has been rated at the second highest level of cloud maturity — a **Cloud Practitioner**. This means your organization is generally in line with the rest of the industry and has prepared itself for the highest levels of cloud and data success. While you are doing well, there is still a bit more to do, to be fully cloud and data ready. To create a true competitive advantage, your focus must shift from a tactical approach to a more strategic, fully aligned way of thinking across all areas of the business.

The key priorities for organizations accelerating their digital transformation journeys are IT modernization, successful cloud adoption, and progress in becoming data-driven. They want to use cloud and data transformation initiatives to improve efficiency, business performance, and the speed of innovation. Delivering on digital business mandates requires a well-thought-out cloud strategy and set of technologies to drive innovation, all without compromising on cost control, security, or regulatory obligations. Providing a flexible IT delivery model and relevant data at speed, while aligning with business needs, is critical. Developing a successful cloud and data strategy will form the bedrock on which to digitally transform your organization in a saleable and agile manner.

As a **Cloud Practitioner**, your key priorities are to define and measure metrics to track migration and application operations in public cloud, standardize migration processes and workload evaluations, and automate operations. You also need to overcome the complexities of cloud operations to further progress and scale your cloud migration and modernization strategy.

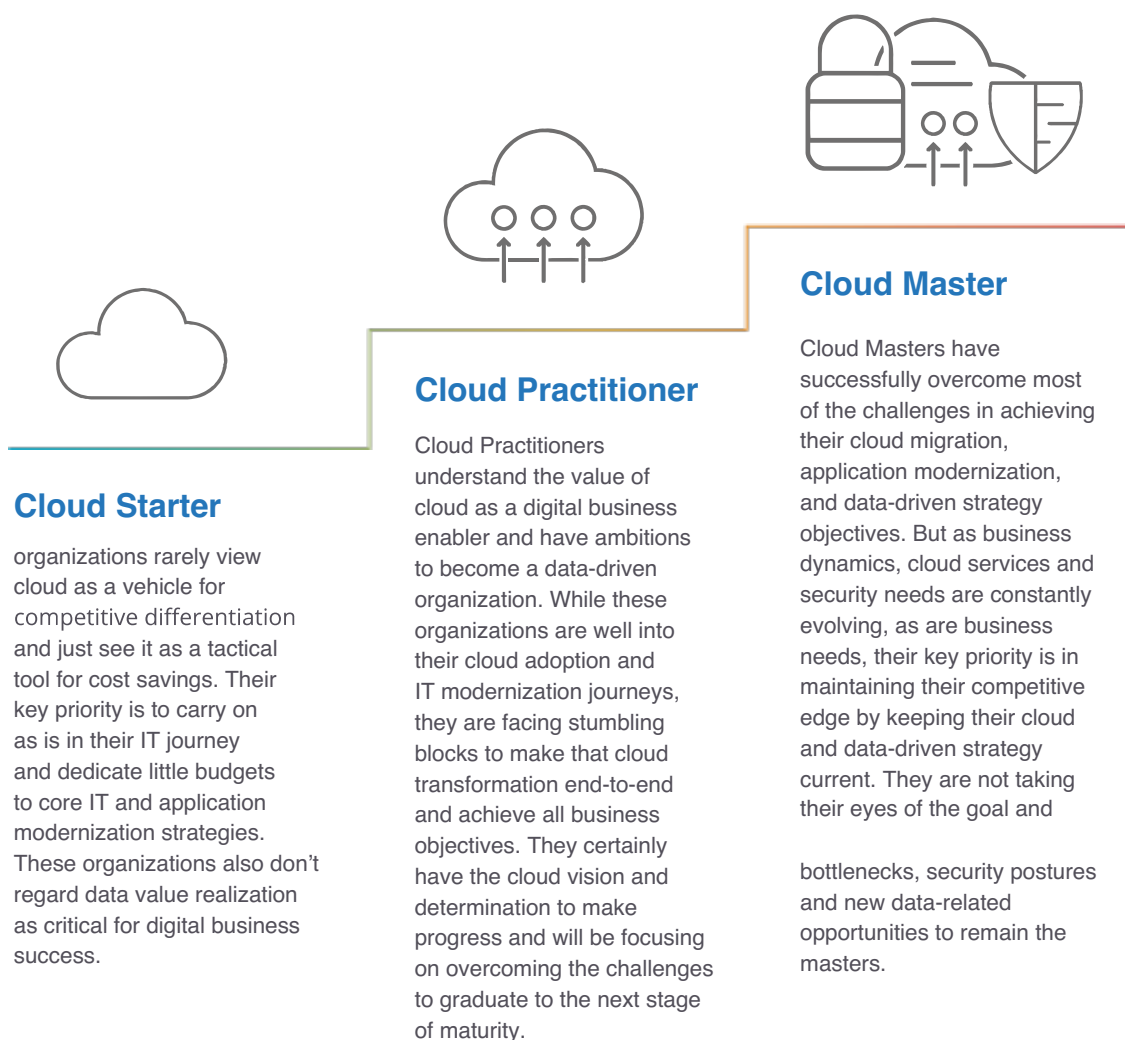
***Cloud Practitioner** organizations have already addressed the low-hanging fruit, seen the business benefits of the cloud strategy, and have the determination to make progress. They need to maintain the momentum and invest in transforming legacy business processes and legacy applications to graduate to the next stage.*

Ranking Explanation

Organizations who view cloud as a critical technology and the foundation of their digital transformation, as opposed to just a tactical way to save costs, will be in a better position to capitalize on new digital initiatives, yield higher returns and ultimately make your cloud strategy a success.

The key to successful digital transformation is the ability to make IT a business enabler by leveraging cloud and business data. The better an organization is in its vision, execution and overcoming challenges along the way, the higher they are in the maturity curve giving them a competitive differentiation.

The IDC Cloud Strategy Assessment ranks organisations by three maturity levels - **Cloud Starters**, **Cloud Practitioners** and **Cloud Masters**.

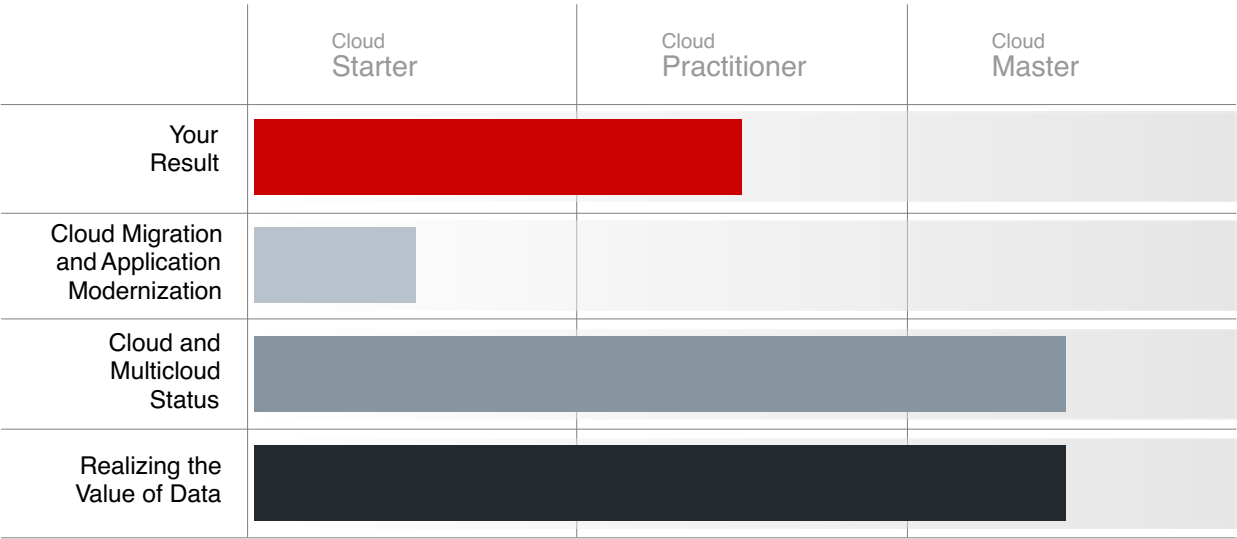


Your Ranking

Organizations can only successfully compete in the global economy if their cloud and data-related strategies are world-class and the execution is consistent, adaptive, and takes advantage of the relevant cloud and data-enabling technologies. IDC's Cloud Strategy Assessment scores organizations on their cloud strategy maturity by looking at three core elements — **cloud migration and application modernization, multicloud status, and data value realization**.

Cloud Practitioner

You are well under way with your cloud journey. Based on your responses to IDC's Cloud Strategy Assessment, your organization has been rated at the second highest level of cloud maturity — **Cloud Practitioner**. This means your organization is generally in line with the rest of the industry and is progressing consistently to achieve cloud excellence. While you are doing well, there is still more to do on the execution of your cloud strategy, making cloud and data a key competitive differentiator.



Your results indicate that there are many areas to be addressed to successfully develop your cloud and data strategy. This report will give you advice on some key areas to prioritize as you look to progress to the next stage of cloud adoption. Let's turn to the next page and dig into the tangible actions you can take to progress.



Cloud Migration and Application Modernization

Welcome to the cloud migration and application modernization chapter of this report. IDC research shows that an effective cloud adoption and legacy application modernization strategy, built on the right fundamentals, is a critical element of a successful digital transformation strategy. A consistent and planned strategy to migrate to cloud-like, services-driven infrastructures and to transform legacy applications enables enterprisewide digital transformation. This section will assess your maturity and progress in key areas of cloud migration and application modernization and help determine where you need to focus to yield the best results.

This section of the report assesses the status of your organization's cloud migration and application modernization strategy. It is based on what's driving your key investment decisions, the challenges you are facing, and how initiatives are being prioritized within your cloud strategy.

	Cloud Starter	Cloud Practitioner	Cloud Master
Overall Performance			
Cloud Migration and Application Modernization			

In respect to your cloud migration and application modernization approach, your score indicates that you are lagging behind your Cloud Practitioner peers. Legacy application transformation and consistent cloud adoption is an area where you should improve. To catch up with your peers, take steps to address this aspect more seriously. Have a look into individual assessment areas within this section to better understand what changes you could make to improve your position.

Question 1

What is the key driver of your cloud migration and application modernization strategy?

You really understand the transformational potential of moving to the cloud and you explore the cloud's potential to support new business models and revenue streams relating to data monetization. To stay ahead of your competitors, make sure that you constantly improve your cloud operations as well, so that your costs are under control, you can drive great operational efficiency and automation in your cloud operations, and you are compliant with relevant regulations.

Question 2

To what degree are these challenges impacting your cloud strategy?

For a Cloud Practitioner, you are still dealing with many challenges when implementing your cloud strategy, and you are behind your Cloud Practitioner peers in this area. The move to the cloud is more than a simple technology upgrade — it is transforming not only your technology platform but also your processes, your staffing requirements, your security procedures, and how you collaborate with other parts of your business. To move to the next stage of cloud maturity, you need to define the starting point for your cloud journey. Do an audit of the challenges you encounter in implementing your cloud strategy, rank them in order of importance, cost, and complexity, start with the easy ones to achieve some quick successes, and plan to address the more complex challenges. Reach out to an experienced partner for additional resources, support, and guidance.

Question 3

Looking at your 2-3 year strategy, please rank the importance of the following initiatives?

You are only prioritizing a small number of cloud-related initiatives. As a Cloud Practitioner, you should have progressed further along your cloud journey. A typical cloud journey starts with creating IT efficiencies within the datacenter, freeing up IT resources and satisfying security, regulatory compliance, and data governance requirements. As a next step, organizations are typically looking to implement an agile, cloud-based application architecture using microservices and containers. Finally, they are building an intelligent core to implement and scale analytics, machine learning, and artificial intelligence. To do that, they need to automate and orchestrate the exchange of data within their ecosystem to develop new digital experiences that drive customer satisfaction and revenue.

As a Cloud Practitioner, you need to get the basics in place and quickly proceed to the more complex initiatives that are taking longer to implement, enabling you can catch up with your Cloud Practitioner peers.

Question 4

To which degree are these cloud migration challenges faced by your organization?

Where to start your cloud journey and which workloads to migrate is not an easy decision. First, you need to establish if there is an organizational need to move to the cloud. While we are seeing a broader trend in the industry, with an increasing number of organizations moving to the cloud, it might not be a good fit for your organization to have every workload and application in the cloud; it all depends on your specific workloads, performance requirements, data sensitivity, regulatory compliance concerns, etc. Once you have decided that cloud is going to be part of your IT infrastructure mix, you need to determine which applications are a good fit for the cloud, which migration strategy fits to which application class, how complex the migration is going to be, and, last but not least, if you have the right cloud skills internally or if you need to select an appropriate external partner for support.

As a Cloud Practitioner, you have already defined your starting point and understand the migration complexities of the different classes of applications. You are on a par with your peers. As a next step, you need to devise a migration strategy (lift and shift, refactor, transform, etc.) for each application class and choose an experienced cloud migration partner if you don't have the skills in-house.



Cloud and Multicloud Status

Cloud is the launchpad for digital transformation, with 69% of organizations operating a multicloud environment today, according to IDC's 2019 Multicloud Survey. Given the advancements in cloud solutions and the importance of security, resilience, cost transparency, and compliance, cloud adoption is more nuanced today.

Successful enterprises are committed to enterprisewide IT transformation in a sustainable and compliant way, making multicloud and hybrid cloud a natural evolution. How they navigate through the multicloud complexities and develop unified monitoring, workflow management, cost management, and compliance determines their multicloud success.

The realization is dawning among savvy enterprises that there is no "silver bullet cloud" that answers all IT issues. Organizations therefore seek to build an interoperable, hybrid, and multicloud IT infrastructure to gain the benefit of cloud without compromising on core IT values of security, resilience, and compliance. Cloud is seen as an operating model rather than a destination.

This section of the report assesses your organization's cloud and multicloud status by evaluating your cloud usage, maturity of hybrid or multicloud environments, and the objectives you have set in relation to your multicloud initiatives — that is, how aligned are your multicloud strategies with business outcomes? Lastly, it explores how well you are executing on your hybrid and multicloud strategies.

	Cloud Starter	Cloud Practitioner	Cloud Master
Overall Performance	<div></div>		
Cloud and Multicloud Status	<div></div>		

Your overall score for this section indicates that you are ahead of your Cloud Starter peers with respect to the progress you have made so far. Very well done. While keeping up with this, you must also look at aspects related to cloud migration and data monetization to improve your overall cloud maturity.

Question 5

Which of these environments represents the majority (>50%) of your IT estate?

You are operating in a multicloud environment which is a combination of several public cloud services. You are leveraging multiple cloud services and don't run the risk of cloud lock-in with one vendor. If you want to take your strategy one step further, you can adopt a unified hybrid cloud strategy and have a higher degree of automation, an API-based application network, and a unified management strategy for all apps across the hybrid cloud environment.

Question 6

Which one of these cloud benefits is the most vital to your business?

Your cloud usage and vision for cloud is very advanced. Good job. You are showing strong capabilities around linking cloud services and benefits to key business objectives such as customer experience. Try focusing on the next steps, such as capitalizing on data to gain a competitive edge and on complementary strategies such as agile application development and DevOps.

Question 7

To what degree are these challenges faced around cloud operations and management

Getting cloud operations and management right is critical for running a successful cloud practice

Your score for this question indicates, you still face many of the early stage challenges in setting up an efficient cloud operations and management practice.

To improve further, you need to ensure good visibility and control of your IT infrastructure, both on-premises and in the cloud, invest in multicloud monitoring, management, automation, and orchestration tools to reduce the need for error-prone manual tasks, set up a strong security, data governance, and regulatory compliance framework, and make sure that you manage your cloud expenses tightly. Once the foundation is in place, you can look at API management, integration, and interoperability, as well as implementing a CI/CD pipeline to automate cloud operations



Realizing the value of data

Data is at the heart of digital transformation and gives enterprises a competitive advantage. Data on its own doesn't mean anything — it is how enterprises treat it as a valuable asset, work with it, manage it, and capitalize on it that brings about the real difference.

Data-driven organizations are more confident about delivering better customer experiences and take confident business decisions.

Capitalizing on and monetizing data is a journey and requires organizations to consider the full data life cycle, from collection to storage to management to analytics. Is there a culture in your organization of treating data as an asset? Are IT confident of delivering the right data to the right hands at the right time without compromising on security and privacy?

"Creating the right foundation to share, manage, and collaborate on data is critical to innovate and improve decision-making capabilities in the digital era"

Carla Arend, IDC, 2020

This section of the report assesses the stage of your organization's data capitalization vision and strategies based on the maturity of your data-driven objectives and your progress in the data value realization journey.

	Cloud Starter	Cloud Practitioner	Cloud Master
Overall Performance	<div></div>		
Realizing the Value of Data	<div></div>		

Your overall score for this section indicates that you are ahead of your Cloud Practitioner peers with respect to the progress you have made. Very well done on your journey so far. While keeping up with this, you must also look at aspects related to cloud migration and cloud operations to improve your overall cloud maturity.

Question 8

At what stage are you on your data value realization journey?

You are operating in a multicloud environment which is a combination of several public cloud services. You are leveraging multiple cloud services and don't run the risk of cloud lock-in with one vendor. If you want to take your strategy one step further, you can adopt a unified hybrid cloud strategy and have a higher degree of automation, an API-based application network, and a unified management strategy for all apps across the hybrid cloud environment.

Question 9

Please indicate how critical these data driven objectives are to your data strategy / organization?

IDC research indicates that the cloud strategies and data strategies of organizations are increasingly converging. To build a great data strategy, you need to create a data map to gain visibility and control of your data, and improve the quality and speed of your data delivery so that you can use the data to create a competitive advantage. You also need to hire data experts to gain new insights from your data and deliver new data-driven revenue streams.

For a Cloud Practitioner, you have already mastered most challenges on your data value realization journey and can focus on other aspects of cloud migration and cloud operations to improve your overall cloud maturity.