

ORACLE
Cloud Infrastructure

Transforming your cloud strategy

An IT leader's guide



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Navigating change with the cloud

Organizations – along with everyone else in the world – are dealing with unprecedented levels of change. The global pandemic has only reinforced the need for businesses to rely more on technology and their data as they try to achieve new levels of flexibility, reliability, and continuity. Many businesses have turned their focus on gaining even more value from data, reshaping operations and infrastructure onto the cloud to gain automation efficiencies, and reinforcing a security strategy for improved business resiliency.

All of this ties to having a strong cloud strategy, which can provide the foundation for every function within an organization to be ready for whatever may come next. To successfully meet its changing needs, a business can't be held back by aging, customized technology systems when the speed of innovation, number of security threats, and challenges related to analyzing data are increasing. Businesses everywhere have had to not just adapt, but also transform during this time of change, and are increasingly looking at how the cloud and data can be used to drive business agility.



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Be relentless innovators

When this pandemic is over, it will be clear which companies made moves to drive innovation and which companies didn't. Making the choice now to have a more intelligent cloud with built-in automation can help make that difference, saving you time, money, and energy down the road. Saying goodbye to aging data management platforms, and using AI to sift through your data, can give your business an edge by freeing up IT staff to do what they do best – deliver the innovations that differentiate your products and services, grow market share, and improve profitability.

Go further, faster, first

With businesses facing new customer demands, new business operations conditions, and new market dynamics, the need to quickly migrate applications to the cloud is essential. Seamless integration across all of a company's cloud platforms can deliver the much-needed efficiency and scalability you need to transform your business so you're not only more resilient in uncertain times, but so you are also in a position to move faster, go further, and get to market first.

88%

of organizations
are currently using public
cloud infrastructure services



Have always-on security

Now that a large number of people are working remotely, businesses are rethinking their security solutions. The time has never been better to elevate your security posture by addressing data governance, meeting global compliance, and industry requirements. In turn, modernizing key infrastructure, without increasing costs, has become a recurring theme in the last few months. Whether it's bringing workloads to an existing datacenter, or moving them to the public cloud, reliability and performance are the name of the game. Having confidence in your cybersecurity will enable your business to go far.

Here, you'll learn more about:

- The pros of a "digital first" strategy
- Overcoming IT challenges brought on by the pandemic with the cloud
- What to consider before your next cloud migration project
- The benefits that come with choosing a next-generation cloud
- 38% of IT decision-makers are considering migrating all applications and infrastructure to the cloud
- 88% of organizations are currently using public cloud infrastructure services

Source: [CIO Magazine: How Next-Generation Cloud Paves the Way to the 'Digital First' Enterprise](#)

Assessing your cloud journey

Given this new, unpredictable climate, organizations are leaning more than ever on IT. In turn, IT needs to rely on systems with greater capacity from networks, as well as storage to accommodate a more mobile workforce. Cloud computing can be key in addressing these new challenges because of its elasticity and hyperscale capabilities.

No matter where you're at on your cloud journey, at the core is having a plan in place to maximize the benefits across the entire business. Modernizing any system requires risk assessment, and room for tweaks along the way. It's critical to follow a migration model and best practices to quickly take advantage of the many benefits of cloud.

Oracle paths to cloud



Move to Oracle Cloud

Get enterprise workloads to cloud rapidly, economically, and with flexibility



Modernize your data platform

Reduce data complexity to enable business decisions that drive growth



Secure your cloud

Protect your most valuable data in the cloud



Optimize and innovate

Make cloud a foundation for innovation

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Typical types of cloud deployment projects include the following:

1. Move to Oracle Cloud

With businesses facing unforeseen disruptions, the need to quickly migrate applications to the cloud is evident. Whether you're looking to move Oracle packaged or database applications, run custom applications faster, or migrate VMware workloads, you should be able to realize the benefits of the cloud without needing to rearchitect. Oracle helps you get enterprise workloads to the cloud rapidly, economically, and with flexibility – so you can focus on innovation and driving your business forward.

Customers migrating their enterprise workloads to Oracle Cloud experience:

- 30% to 50% lower service costs
- 55% to 100% better price/performance
- Up to 70% less effort to migrate
- 30% to 40% lower operational costs

Source: [Pique Solutions Report](#)

[Learn more about how to accelerate cloud migrations with Oracle](#)

2. Modernize your data platform

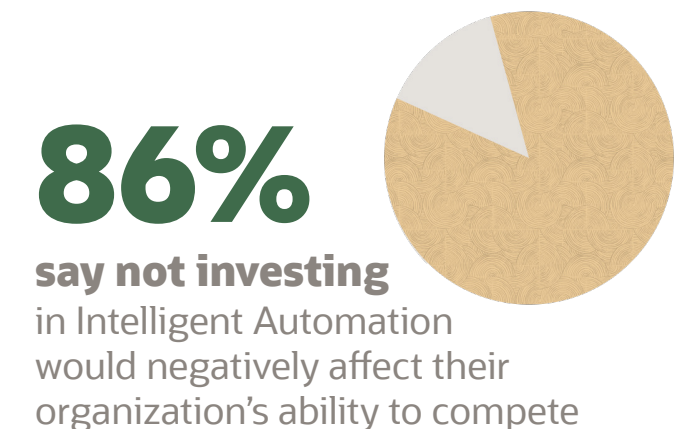
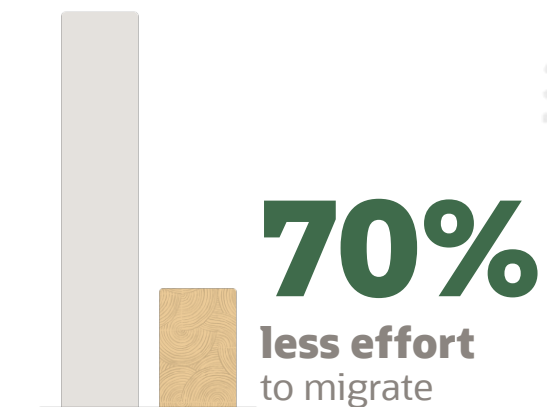
The common denominator driving change for today's industries is data. Innovations based on data are not only resetting customer expectations, but allowing every business to be more nimble, more responsive, and more personalized. Knowing your data means knowing your customers, and cloud computing has delivered an entirely new class of companies that are based entirely on innovative uses of data. When faster and more efficient data management is your goal, or getting better insight from your data, modernizing data platforms on Oracle Cloud helps you reduce data complexity to enable business decisions that drive growth.

- 86% of respondents say they strongly or somewhat agree that not investing in Intelligent Automation (IA) would negatively affect their organization's ability to compete.
- Respondents named improvements to customer experience (36%), innovation (35%), profitability (32%) and product/service quality (31%) among their top four expected benefits from Intelligent Automation (IA).

Source: [HBR The 2025 Imperative: Intelligent Automation Now](#)

[Learn more about how to bring to life limitless possibilities with data by modernizing in the cloud](#)

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3. Secure your cloud

A lack of security used to be a reason to avoid cloud adoption. But now, many organizations have found their cybersecurity profile has improved with cloud deployments – and 63 percent have discovered that the cloud environment has actually improved protection from cyberattacks. Oracle has decades of experience securing data and applications; Oracle Cloud Infrastructure delivers a more secure cloud to our customers, so they can better meet global compliance, data governance, regulatory mandates, and industry requirements.

- 87% of firms view artificial intelligence as a must-have for security controls
- ¾ of firms feel the cloud is more secure than their data center

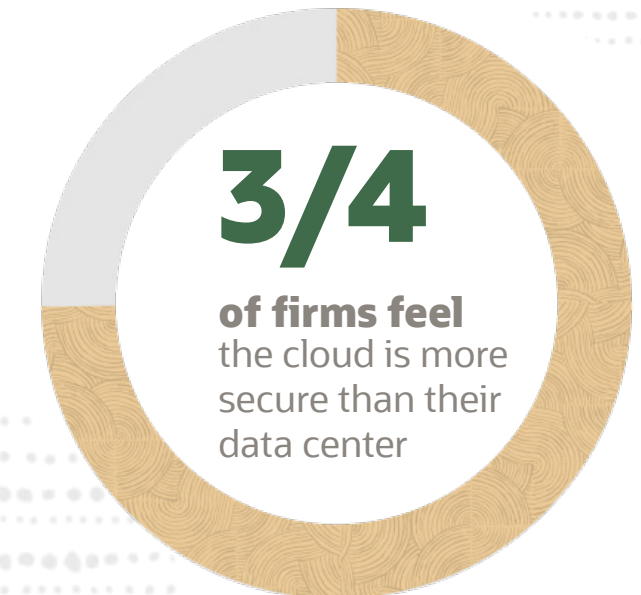
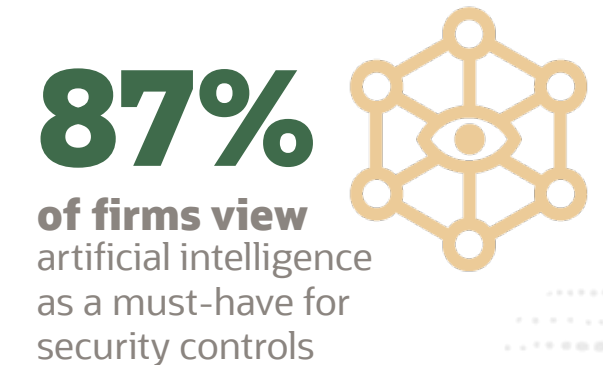
Source: [KPMG Cloud Threat Report](#)

[Learn how Oracle can help you protect your most valuable data in the cloud and on-premises](#)

4. Optimize and innovate

To ensure the highest possible performance for a business, all layers of its infrastructure—including processors, storage, operating systems, databases, and networks—need to be integrated. With Oracle Cloud’s open and integrated application development platform, your developers code less and build more of the web, mobile, and cloud-native applications that you need to drive innovation.

[Learn more about how Oracle cloud helps you develop cloud native applications, and integrate across and build on top of your cloud applications](#)



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The new normal for cloud platforms

As organizations tighten their IT budgets due to the global crisis, they have even more of a reason to digitally transform the way they approach business. The ever-growing need for remote working and social distancing has placed priority on making products and services available to anyone anywhere. This is why cloud-based solutions and increased capacity have become a necessity. And while there are many cloud providers to turn to, it can be difficult to find one with the right combination of a robust infrastructure, automation, and support needed for moving on-premise workloads to cloud.

A common issue for many IT departments is maintaining a now decade-old cloud technology, where performance, security, and migration options were often afterthoughts. These initial clouds were mainly built for two types of customers: those building new businesses on a cloud-native foundation and those shifting non-essential workloads from on-premises. But maintaining this aging infrastructure not only costs money, it takes away valuable personnel from important projects.



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With the cloud becoming the default that runs nearly every new enterprise software application, it's also the first choice for production workloads—giving rise to a next-generation cloud. Organizations expect nothing less than a cloud solution that's optimized specifically for their most demanding workloads, predictably and securely.

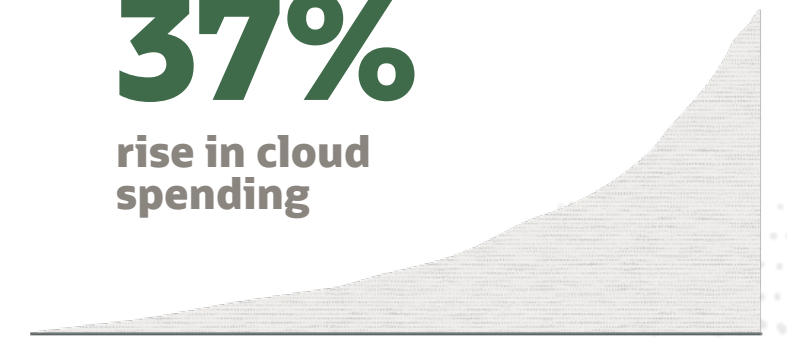
In addition, a strong focus on data is the center of any “digital-first” strategy, and it affects all business decisions and customer interactions. Becoming digital-first is an essential step to achieving digital transformation.

- Cloud spending rose 37% to \$29 billion during the first quarter of 2020 - accelerated by the COVID-19 crisis
- Cloud spending is estimated to rise 19% for the full year, even as IT spending as a whole is forecast to fall 8%
- The latest artificial intelligence models now need 300,000 times more computing power than these models required less than a decade ago

Source: [PwC: Can You Meet Customer Demand for Cloud-based Computing?](#)

37%
rise in cloud spending

\$29 billion



Artificial intelligence models need

300,000x

more computing power

Simplify your next cloud project: a checklist

Before an organization embarks on any cloud migration project, there are several key elements to consider to make it a success.

- ✓ **Develop a plan.**
Discovering where an organization is spending too much, and where to reallocate those resources, is crucial. When moving to cloud, it's worth laying out objectives, issues you're trying to solve, and potential use cases for implementation. It's also critical to meet with key stakeholders early on to maximize the value of the plan and make a strong case for it.
- ✓ **Develop the right skills and resources within an organization.**
With any cloud adoption plan, there will be a workforce skills gap. But keeping that to a minimum is possible. As applications are developed in and migrated, developing skills to manage a new workforce is critical. Minimal code development allows organizations with little domain expertise to utilize cloud native capabilities while also remaining focused on core business practices instead of worrying about IT, data, and analytics.
- ✓ **Assess potential data risks and data loss.**
Without proper planning, there's a risk that sensitive data could be exposed during a migration. As a result, quickly understanding how data can be configured and gets backed up in the cloud is essential.
- ✓ **Identify any unforeseen operational costs.**
The cloud offers pay-as-you-go pricing models for organizations migrating from on-premises. However, it can also bring with it wasted costs. As part of any migration plan, it's critical to understand the cost of storage, compute and data transfer.
- ✓ **Leverage monitoring tools**
Transitioning from on-prem network and application controls to cloud can also be a challenge. So it's important to see the workload performance, and have automatic alerts for specific threats to performance issues.
- ✓ **Assess overall security risks.**
Organizations should take seriously the growing threat landscape. To ensure a strong security posture and safe, seamless migration, it's critical to plan for implementation of security controls early on.

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Being able to continuously adapt and innovate are desirable traits for any business, but in this disrupted environment, they've become mandatory. Having the confidence to quickly scale up, as well as the tools to analyze massive amounts of data don't just happen. They take someone who's tired of lying awake at night, waiting for the next problem to strike. Instead of leaving your company's future to chance, it can be empowering to take control and make choices that will set it—and you—up for continued success.

Start your journey today

Learn more about how the cloud helps you design for change

Experience Oracle Cloud with a free trial

Get in touch with Oracle



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