



Cloud migration: a practical guide for engineering leaders

In today's rapidly evolving business landscape, cloud migration has become a critical initiative for organizations seeking scalability, cost efficiency, and agility. However, navigating the complexities of cloud migration requires strategic planning and a skilled workforce.

This one-page guide provides essential insights for business leaders embarking on their cloud journey.



1. Understanding cloud migration

Cloud migration refers to the process of transferring an organization's digital assets, services, databases, IT resources, and applications from on-premises infrastructure or one cloud environment to another. It's a strategic move that allows businesses to harness the benefits of cloud computing.

KEY BENEFITS



Enhanced performance

- Transitioning to the cloud provides access to state-of-the-art infrastructure offered by cloud providers.
- Cloud data centers minimize the risk of latency or downtime, ensuring applications and data are available 24/7.



Scalability

- Cloud storage and computing resources can grow with your business.
- Easily add or remove cloud resources based on evolving needs.



Cost savings

- Pay only for the cloud resources you use, avoiding upfront costs of hardware and software.
- Cloud providers offer flexible pricing options tailored to specific needs.



Digital experience transformation

- Remote access: Users can access cloud services and data from anywhere.
- Implications for customer service, sales, internal workflows, and overall business growth.

2. Cloud migration strategy

A clear cloud migration strategy is vital if you decide to move your data to a cloud-based provider. These steps can help you develop a strategy and identify the resources needed to move forward.



Identify your business objectives

What do you hope to achieve? Some businesses undertake this process to reduce costs, improve performance in a key business area, or scale to a new market.



Choose the right cloud provider

Consider factors such as pricing, features, and security when making your decision. Do some research into cloud providers' reputations and their ability to meet any compliance requirements your business may have.



Map out the cloud migration process and journey

Formulate a cloud transition strategy that aligns with your business objectives. Your migration plan should include a detailed timeline, budget, and the resources you will need to successfully migrate your applications and data to the cloud.



Analyze complex applications

Identify and prioritize critical application data, legacy data, and applications you need to keep the business running. Consider how your team is using data in their day-to-day workflows.

3. Your partner for seamless cloud migration

Cloud migration is a process that's well worth the investment, especially for companies that plan to continue to grow. With the right team to oversee your cloud migration, moving data to a source that empowers flexibility, accessibility, and better performance is a powerful advantage.

Andela can help overcome a skills gap that can quickly derail your cloud migration progress and connect you to exceptional engineers at [30-50% less cost](#) than local hires.

[Andela Talent Cloud](#) allows hiring managers to find the right talent for the right role at the right speed and cost with ease. Learn more about [Andela for Enterprises](#) and get in touch to get started.