

INTRODUCTION TO

CLOUD HOSTING

by

MilesWeb[®]



Abstract

This eBook is a comprehensive guide to cloud hosting and its benefits for industries of all sizes. The book explains cloud hosting, how it works, and its advantages over traditional hosting methods.

The content covers its introduction and various cloud hosting models, such as public, private, and hybrid clouds, and explains the benefits of each model. The book also highlights the advantages of cloud hosting for industries, including cost savings, scalability, security, and reliability.

This eBook aims at helping businesses decide if cloud hosting is right for them and how they can use its complete potential.



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Introduction to Cloud Hosting

Cloud hosting involves making applications and websites available over the internet. Cloud hosting pools the computing resources from virtual and physical servers giving way to greater scalability and flexibility. Mostly cloud hosting works on the pay-as-you-go concept where you only have to pay for the resources that you use.

MilesWeb provides managed cloud hosting services for DigitalOcean and VULTR for superior performance and low latency.



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Public Cloud

Public cloud hosting is a type of cloud hosting that uses a shared infrastructure provided by a third party vendor. In this model, businesses rent computing resources, such as servers, storage, and network bandwidth, from the vendor. The vendor manages and maintains the infrastructure, reducing the business's workload.



Private Cloud

Private cloud hosting uses a dedicated infrastructure that is exclusively provided to a single business. The infrastructure can be owned and managed by the company or a third-party vendor. This type of cloud hosting provides more control and customization options but can be more expensive than public cloud hosting.



Hybrid Cloud

Hybrid cloud hosting is a type of cloud hosting that combines both public and private clouds. This model allows businesses to take advantage of the benefits of both public and private clouds. For example, a company may use a private cloud for sensitive data and a public cloud for less sensitive data. This model provides more flexibility and scalability options for businesses.



Multi-Cloud

In simpler terms, 'multi-cloud' means multiple public clouds setup. Multi-cloud deployments involve integrating public clouds from various cloud providers, and a business uses several vendors for cloud hosting, storage, the application stack in a multi-cloud configuration.

MilesWeb is the leading multi-cloud hosting vendor. It offers state-of-the-art infrastructure, **global data centers**, **world-class security**, **advanced CDN** for higher scalability and many more features.



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Managed Cloud Hosting: In a Nutshell

Managed cloud hosting is a specific type of hosting service where the service provider manages and oversees the infrastructure, software, and platform services for clients in a cloud environment.

This type of web hosting has gained increased popularity. This is because the businesses aim to leverage the scalability and flexibility offered by cloud computing by cloud computing while reducing the burden of managing the infrastructure and platform themselves.

MilesWeb provides additional services such as **monitoring, backups, and disaster recovery**, all of which help to ensure that the client's applications and data are always available and protected.

Managed cloud hosting is typically available in several different models, including public, private, and hybrid clouds.

Managed cloud hosting providers offer a wide range of services, including **Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)**.

IaaS provides clients with access to virtualized **computing resources, including servers, storage, and networking**, which can be provisioned and managed by the hosting provider.



Advantages of Cloud Hosting

Cloud hosting offers many advantages over traditional hosting methods. In this chapter, we will explore the benefits of cloud hosting for businesses of all sizes.





Cost Savings

Cloud hosting helps businesses save money on infrastructure costs, such as hardware, software, and maintenance. With cloud hosting, companies can rent the resources they need on-demand, eliminating the need for expensive upfront investments.



Scalability

Cloud hosting is highly scalable, so businesses can easily add or remove resources. This makes it an ideal solution for businesses that experience fluctuations in demand, such as seasonal businesses or startups.



Security

Cloud hosting providers incorporate extensive security measures to protect their infrastructure and customers' data. This includes physical security, such as access control and surveillance, and digital security, such as encryption and firewalls.



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Reliability

Cloud hosting providers have redundant infrastructure in place, which means businesses can rely on their services to be available when needed. With cloud hosting, companies can minimize downtime and ensure their applications and data are always accessible.



Cloud Hosting Is the Need of the Hour

Website and application operators can add and remove resources when using cloud hosting. Support services such as security or data storage can include more **RAM or storage space**. With cloud hosting, you get reliability and flexibility at an affordable price. Cloud hosting provides robust data backup and disaster recovery compared to shared or dedicated hosting on a single server.



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Statistics

Cloud hosting providers have redundant infrastructure in place, which means businesses can rely on their services to be available when needed. With cloud hosting, companies can minimize downtime and ensure their applications and data are always accessible.

2027



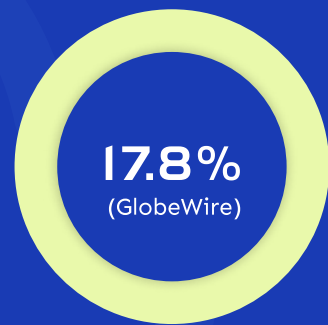
\$1,240.9
billion

2022



\$545.8
billion

CAGR

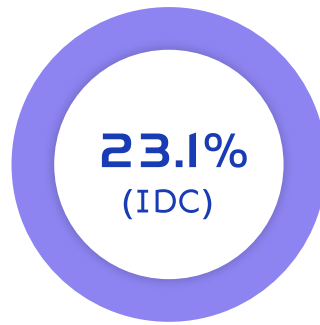


17.8%
(GlobeWire)

A report estimates that the global Cloud Computing Platform Market will reach \$1,240.9 billion by 2027 from \$545.8 billion in 2022, growing at a CAGR of 17.9 %



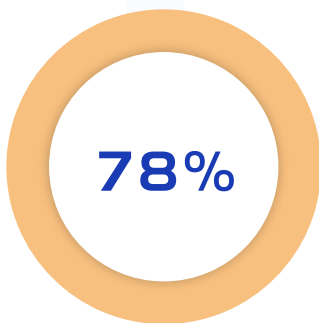
2026



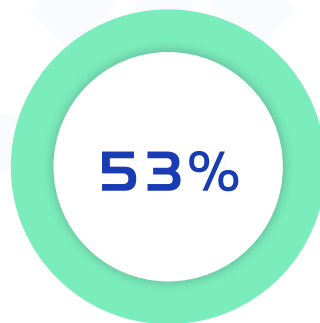
CAGR

According to reports, by 2026, India's public cloud services market is expected to reach \$13.0 billion, growing at a CAGR of 23.1%. [IDC]

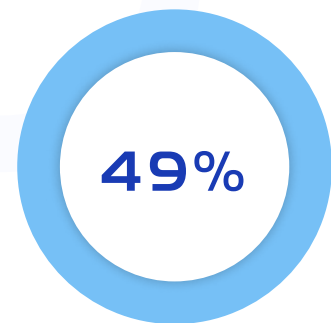
Indian IT
Companies



Healthcare &
BFSI Firms



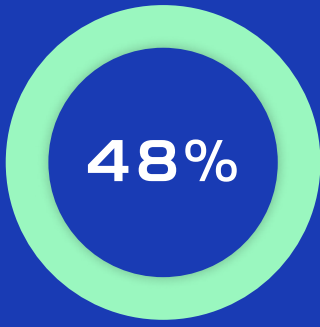
Pharmaceuticals



A survey reveals 78% of Indian IT companies, 53% of Healthcare and BFSI firms, and 49% of Pharmaceuticals have moved to the cloud after 2019. [CXO Today]



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48 % of businesses choose to store their sensitive data in the cloud infrastructure.
[Panda Security]



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How MilesWeb Caters to Cloud Hosting Demands?

✓ Global Data Centers

✓ Security

✓ Scalability

✓ Cost

✓ Support





Global Data Centers

MilesWeb ensures a minimal latency rate and page loading times. They have 64 data centers worldwide for unmatched performance.



Security

MilesWeb integrates all industry-standard digital security measures, backup and disaster recovery solutions.



Scalability

Businesses should also consider the provider's scalability options. MilesWeb offers flexible and scalable solutions to meet the business's changing needs.



Cost

Cost is an important factor to consider. MilesWeb offers affordable and transparent pricing plans that align with their budget.



Support

Support at MilesWeb is incredible! Customers feel at home with MilesWeb. We offer 24x7 support to all cloud hosting clients through live chat, email and phone.



Key Takeaways

With cloud hosting, you can easily scale your resources depending on your website or application's needs. You get a higher uptime and reliability as compared to the other hosting options.

Cloud hosting providers typically offer advanced security features, and while it can be more expensive than shared hosting, it is often more cost-effective than dedicated hosting.

When choosing a cloud hosting provider, it's important to research and choose a reputable provider that can meet your specific needs. Overall, cloud hosting is a powerful and versatile option to help you grow and succeed online.

Grow Online



Succeed Online





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