



Cloud Computing for Business

Why the Cloud Is Important	2
How You Should Approach It	3
Challenges Businesses Face	4
The TenHats Approach	6
Connect With Us	7



Why Is the Cloud Important?

Cloud computing is a vital part of modern business operations, providing organizations with flexibility, scalability, and cost-effectiveness. However, before they can reap the benefits, organizations must decide which cloud strategy to use: hybrid, public, or private. Each type has its own set of benefits and challenges.

This paper will explore the different types of clouds, their use cases, and the challenges organizations may face when implementing a cloud strategy. It will also provide guidance on how to approach the decision of which type of cloud to use and how to align the cloud strategy with business goals.

A **public cloud** is an infrastructure owned and operated by a third-party provider and made available to the public over the internet.

Public clouds are typically less expensive than private clouds and useful for organizations that want to save on infrastructure costs as long as they don't have specific compliance or security requirements.

A **private cloud** is an infrastructure owned and operated by an organization and is only accessible by that organization. Organizations that have specific compliance or security requirements and want to have more control over their cloud infrastructure find it useful.

A **hybrid cloud** is a combination of a private cloud and one or more public clouds. It allows organizations to keep sensitive data on-premises while leveraging the scalability and cost-effectiveness of public clouds. It is useful for organizations that have specific compliance or security requirements but still want to take advantage of the benefits of public clouds.



“There's no other IT firm that can do the level of work we do for large enterprises.”

– Brian Strong, CEO

How Should You Approach It?



“Our services are designed from the ground up to be reliable and secure to meet the needs of your company.”
– Aaron Sherrill, CTO



When developing a cloud strategy, organizations must determine the appropriate balance of public, private, and hybrid cloud solutions that align with their specific needs. This process includes assessing the organization's current infrastructure and resources, determining the organization's specific needs within the context of different cloud infrastructures, and evaluating cloud providers and solutions.

When assessing the organization's current infrastructure and resources, the process typically involves conducting a thorough analysis and comprehensive inventory of the organization's existing systems, applications, and data. Additionally, the organization should consider the regulatory compliance stipulations they need to meet and choose a cloud provider that can meet those requirements.

Once the organization has a clear understanding of its current infrastructure and resources, it can determine its specific needs within the context of different cloud infrastructures. Only then can organizations evaluate cloud providers and solutions to ensure they align with their specific needs and overall business strategy. Key factors to consider when evaluating providers and solutions include service offerings, security and compliance, performance and reliability, cost, support, location, and reputation.



Challenges Businesses Face

Businesses may face several common challenges when developing a cloud solutions strategy and implementing cloud solutions. Some of these challenges include:

1. Security & Compliance
2. Data Migration
3. Integration
4. Managing Costs
5. Talent & Skills
6. Vendor Lock-in

Security & Compliance

One of the biggest challenges businesses face when dealing with cloud development is ensuring the security and compliance of their data and applications. This includes protecting sensitive data, such as personal information and financial data, from cyber threats and ensuring compliance with regulatory requirements.

Data Migration

Moving data and applications from on-premises systems to the cloud can be complex and time-consuming. Businesses may face challenges such as data compatibility issues, network bandwidth constraints, and maintaining data integrity during the migration process.

Integration

Integrating cloud solutions with existing systems and applications can also be a challenge. Businesses may need to invest in new infrastructure and tools to facilitate integration, and they may also need to change their existing processes and workflows to take full advantage of cloud services.



Challenges Businesses Face

Managing Costs

Cloud services can be more cost-effective than on-premises solutions, but businesses must be careful to manage their costs. This can be challenging due to the pay-as-you-go nature of cloud services and the potential for unexpected costs due to data transfer, storage, and other usage-based charges.

Talent & Skills

Businesses may face challenges in finding and retaining employees with the necessary skills and experience to manage and maintain cloud solutions. This can be especially challenging for small businesses or those without existing IT departments.

Vendor Lock-in

Businesses can become dependent on a particular vendor's cloud services, and it can be difficult and expensive to switch vendors if they decide to move to another provider.

To overcome these challenges, organizations should conduct a thorough evaluation of their current infrastructure and resources, create a comprehensive cloud strategy, and choose a reputable cloud provider with a strong track record of security, compliance, and customer support.



The TenHats Approach

TenHats provides unprecedented expertise in cloud development, helping its clients overcome the common challenges they may face during cloud development. They can provide expert guidance and consulting services to determine the best cloud solutions for specific needs and guide clients through the entire process of cloud development.

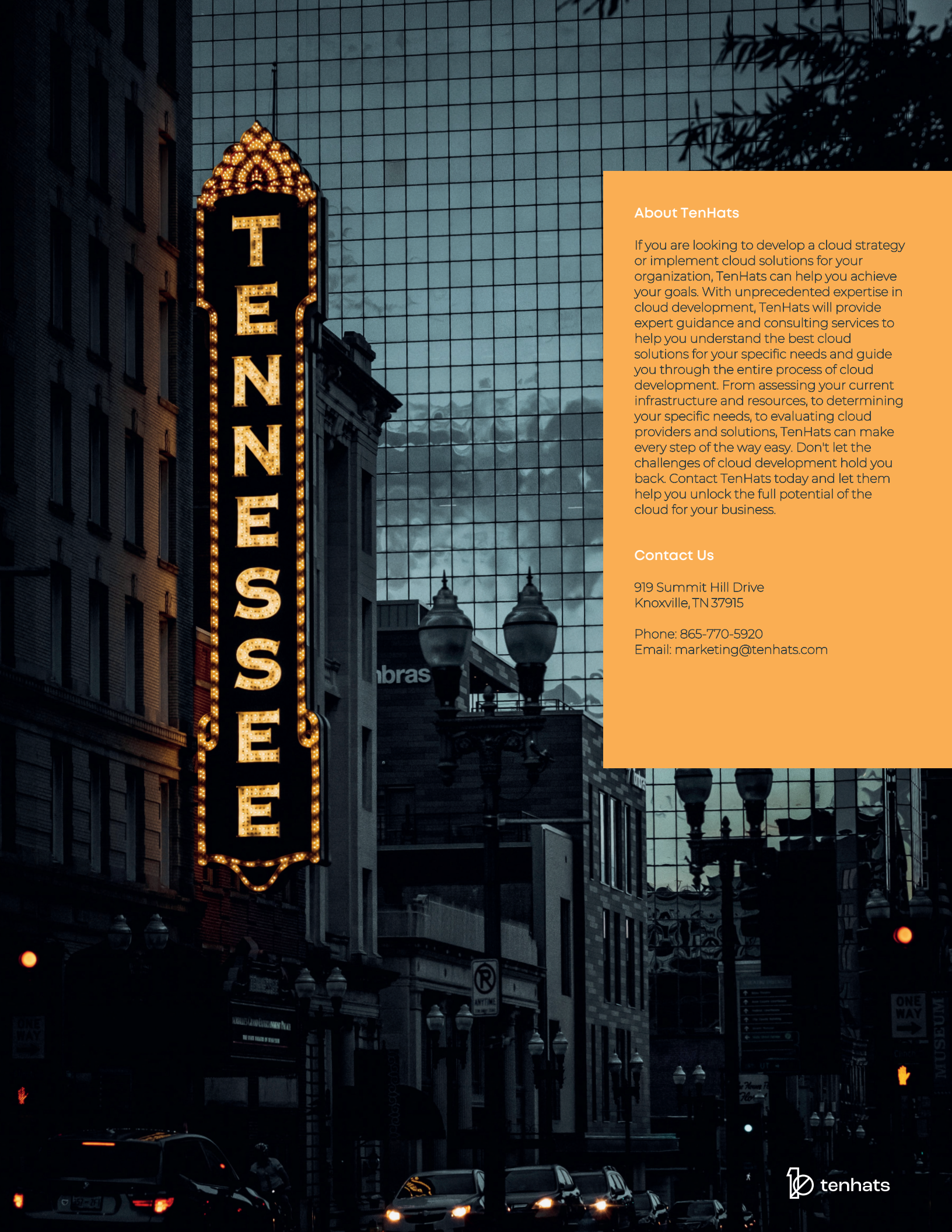
TenHats helps clients ensure the security and compliance of their data and applications. This includes providing security assessments, implementing security controls, and ensuring compliance with regulatory requirements. TenHats assists clients in migrating data and applications from on-premises systems to the cloud by providing data migration services such as data compatibility checks, network bandwidth analysis, and data integrity checks, to ensure a smooth and successful migration.

In addition, TenHats assists its clients in integrating cloud solutions with existing systems and applications. This can include providing integration services, such as infrastructure and tool selection, process and workflow changes, and ongoing maintenance and support. They can also help clients manage costs by providing cost analysis and management services and help clients avoid vendor lock-in by providing them with a range of options and solutions that are not tied to a specific vendor.

TenHats is uniquely positioned to offer its 10,000-square-foot purpose-built data center to its clients. This allows clients to maintain control over their cloud infrastructure with customized solutions tailored to their specific needs while receiving personalized and ongoing support to troubleshoot and resolve issues.

We Put on All the Hats You Don't Want to Wear

- Private & Public Cloud Hosting
- Hybrid Cloud Hosting
- Backup & Disaster Recovery
- Helpdesk
- Colocation
- Infrastructure as a Service
- Managed IT Resources



About TenHats

If you are looking to develop a cloud strategy or implement cloud solutions for your organization, TenHats can help you achieve your goals. With unprecedented expertise in cloud development, TenHats will provide expert guidance and consulting services to help you understand the best cloud solutions for your specific needs and guide you through the entire process of cloud development. From assessing your current infrastructure and resources, to determining your specific needs, to evaluating cloud providers and solutions, TenHats can make every step of the way easy. Don't let the challenges of cloud development hold you back. Contact TenHats today and let them help you unlock the full potential of the cloud for your business.

Contact Us

919 Summit Hill Drive
Knoxville, TN 37915

Phone: 865-770-5920
Email: marketing@tenhats.com