

# MULTI-TENANT DATA CENTER EFFICIENCIES.

---

## **3 KEY EFFICIENCIES WHEN MOVING OPERATIONS OFF-SITE**

# KEY EFFICIENCIES.

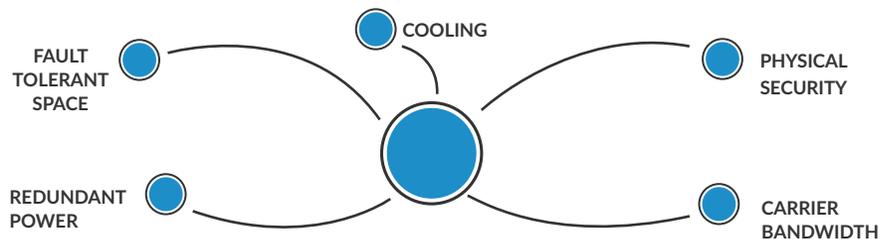
Multi-tenant data centers can offer businesses many cost-effective benefits, including scalability and enhanced operational efficiency, improved business continuity, as well as security and compliance.

---

## INTRODUCTION

Multi-tenant data centers can offer businesses many cost-effective benefits, including scalability and enhanced operational efficiency, improved business continuity, as well as security and compliance.

Colocation services have many impactful advantages; for most companies, these services equate to overall cost savings and greater resilience for business operations. Also, as more and more companies shift from individual servers to networked systems, there is an increasing understanding that the primary benefits of running complex server rooms in-house are outweighed by the advantages of an outsourced colocation solution.



## Scalability & Operational Efficiencies

The major advantage of scalability is the ability to add space, power and bandwidth to your colocation environment as required. Contrasting to an in-house server room that may be limited with space and cooling options, data centers with sufficient capacity will allow you to grow your IT infrastructure footprint on-demand. Sufficient power density capabilities also allow you to upgrade power as your requirements grow, without the need to invest in additional space or migrate to a new facility with higher power density. Additionally, carrier-neutral colocation facilities offer the ability to connect your infrastructure to a range of bandwidth providers that can help improve the reach and performance of your business applications.

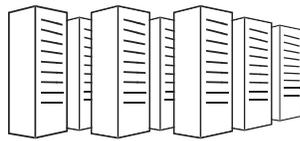
---

# KEY EFFICIENCIES.

---

## Scalability & Operational Efficiencies (cont.)

When comparing the capabilities of a standard server room to a colocation solution, an assessment of power can demonstrate a gap between in-house solutions and utilizing a data center provider. For example, while many in-house server rooms have access to adequate power and cooling, organizations still need to consider if their power solution is appropriate for their application, particularly if a critical incident occurs. If 100% application uptime is key, utilizing a colocation provider that has access to diverse power feeds with dual generator systems and onsite fuel reserves as well as SLA guaranteed uptime would be a massive operational benefit that is typically not feasible with an in-house solution.



**“DATA CENTERS OFFER ORGANIZATIONS THE ABILITY TO MAXIMIZE THE POTENTIAL WITHIN THEIR BUSINESSES THROUGH THE REDUCTION OF OPERATIONAL EXPENDITURES AND THE ABILITY TO FOCUS IT ON THE CORE BUSINESS.”**

Concerning bandwidth, robust connectivity is provided with ease. Direct, onsite access to multiple carriers for a resilient internet connection is another benefit of colocation services. Companies seeking a cost-effective, low-latency solution can benefit from a variety of providers at a carrier-neutral colocation facility.

## Business Continuity & Disaster Recovery

Given the example provided above, the resiliency available in a data center can deliver many benefits to your company's business continuity & disaster recovery plan. Colocation facilities offer customers redundant power designs that are not typically accessible to in-house data centers.

Collocating your infrastructure in a facility with N+1 redundancy mitigates the risk of outages for your applications if a critical incident occurs (i.e. a loss in power grid utility). N+1 refers to components (N) that have surplus backup components (+1), which will become active in the event of scheduled or unforeseen failure and prevent disruptions to power and other equipment.

Utilizing a data center as a primary or backup facility in a different location than your primary office space can also improve business continuity and disaster recovery efforts. Establishing redundant infrastructure in different geographic areas can ensure availability in the event of a critical disruption.

# KEY EFFICIENCIES.

---

## Security & Compliance

Data centers have rigorous security procedures in place to control access to your equipment and data. On-site security personnel monitor access to the facility 24/7, and video surveillance monitors activity inside and outside the data center. Biometric fingerprint access and password protection ensure that admittance to physical space is restricted to authorized contacts chosen by you only.

A secure colocation environment is also vital for organizations in highly regulated industries that must demonstrate compliance with explicit regulations. Many colocation providers undergo annual third-party audits to verify compliance; the certifications they receive are intended to shift the compliance burden from clients to the data center provider - as clients can leverage the reports to satisfy auditors. The American Institute of Certified Public Accountants (AICPA) Service Organization Control (SOC) reports offer detailed information for colocation buyers and provide clients with a level of assurance of corporate controls. These certifications are recognized as industry best practice reporting standards and include the details of the tests performed, test results, as well as the auditor's opinion on the controls.

## IN CLOSING

With the scalability and reliability inherent in a multi-tenant data center, SMB's, as well as enterprises, can quickly scale their infrastructure to accommodate new business projects and opportunities. By offloading unnecessary infrastructure tasks, IT can work more closely with the business to create innovative services - and deploy them more quickly.

Ultimately, companies can take advantage of multi-tenant data centers to accelerate the business, while at the same time lowering their total cost of ownership for infrastructure.

## ABOUT COLOHOUSE

ColoHouse is a leading provider of carrier-neutral data center services in North America, with 24,000 square feet of carrier-grade space available at our SSAE 16 certified, Category 5 hurricane protected facility in Miami. Business environment, regulatory pressures, and disaster recovery concerns demand that data assets remain secure and accessible regardless of where they reside. ColoHouse provides clients with the competitive advantages of industry-leading environment, security and connectivity technologies at best-in-class value.

For details, please visit [ColoHouse.com](http://ColoHouse.com)

# ARE YOU READY

---

## TO GET STARTED WITH COLOCATION?

Download the overview and learn more about our service offering.

[LEARN MORE](#)



ColoHouse.com