TENFOUR

DATA CENTER

OVERVIEW

When data is the currency of the modern market, security, speed, and availability mean the difference between success and failure.

Data Centers are equated with the common compute, storage, and network infrastructure functions required to deliver business applications and capabilities. Whether owned by an organization or a third party, traditional Data Center expenditures include investments in the people, processes and technology required to operate them, as well as the capital investments needed to maintain and upgrade environmental requirements, such as air conditioning, electrical power, backup generators, construction, and physical security.

But as Digital Age businesses have evolved to collect and analyze more and more data, the demands on Data Centers and IT have increased exponentially. Cloud-first strategies are providing compute, storage, and operational efficiencies, but are also presenting IT teams with a critical challenge: How can they transform their business to adopt new Cloud-based, always-on applications and services while continuing to maintain legacy compute systems and Data Centers?

We're here to help answer that question.

With TenFour's Data Center service, we deliver all of the infrastructure associated with your Data Center no matter where or how you need it: private, public, or in the Cloud. We can even implement and support infrastructure inside your private Data Center. We work with 17 Data Centers around the U.S., where we implement private Data Center in a public facility. Or we can connect you to any Cloud Data Center you choose via private connectivity in our Wide Area Network (WAN) solution. Most enterprises choose a combination of all three, making TenFour uniquely qualified to meet your needs.

Our Data Center utility service was developed to help businesses plan and implement a hosted private Cloud infrastructure with embedded engineering and operational support for compute, storage, and network infrastructure. Our private Cloud enables organizations to maintain their legacy systems while adopting and integrating new applications services (SaaS) or Cloud-based development Platforms (Paas). That means you can take advantage of a "Cloud" model for your legacy systems that can't yet—or ever—be migrated to the Cloud while you're moving your other apps to the Cloud.

BUSINESS SOLUTIONS

Flexibility

TenFour's private Cloud infrastructure integrates with private and multi-domain public Cloud providers. This enables a full integration or transition of applications and data between private and public domains. Customers have a choice of implementing a private or a Hybrid Cloud Strategy which may present opportunities to significantly reduce overall IT spend.

Reliability

Since reliability and availability of Data Center facilities are of critical importance, TenFour only partners with best-in-class Data Center hosting facilities which offer 99.999% reliability along with 24x7x365 remote hands for on-site support. Additionally, our selected Data Center facilities offer a carrier neutral network exchange to enable high capacity interconnections with any of the major public Cloud providers.

Cost

TenFour's utility-based financial model enables organizations to build the compute and storage initially required and then scale accordingly as business needs change. This provides customers with a hybrid consumption model and frees up their capital to facilitate their own business growth.

ADDED VALUE

Location Agnostic

It doesn't matter where your infrastructure sits or if it's public or private. We provide a location-agnostic approach to optimizing power, compute and storage.

Availability & Visibility

We provide 99.999% Data Center service availability, but our 24x7x365, U.S.-based Network Operations Center (NOC) is always available to proactively or immediately solve problems should they arise. We offer co-management so you have access to all the embedded data collection tools for real-time reporting and full read/write access and control.

Reduced Technology Debt

Our ongoing lifecycle service updates your software and hardware to address critical vulnerabilities, bugs, or new functionality, and implements mitigation strategies. Aging and obsolete technology leads to defects and security vulnerability. We refresh your infrastructure equipment every 4-5 years so you can remove the risks associated with outdated, end-of-life equipment.

Dependability

We use fully redundant and rigorously tested software and hardware components in conjunction with TenFour's reference architectures to make implementation, operations, and administration as streamlined and worry-free as possible.

Security

TenFour's commitment to quality assurance includes fully testing all system changes, including operating system and security patches prior to implementing them in a production environment.

Lifecycle Management

TenFour provides scheduled, regular updates and emergency patch management for all hardware, software and operating systems. These updates and refreshes are maintained to deliver a secure and reliable Data Center infrastructure.

SERVICE FEATURES

The features and capabilities supported by our Data Center utility service include the following.

Server & Hypervisor Operational Support

- Performance Capacity Management
- Server Administration
- Monitoring
- Backup
- Recovery
- Systems Configuration
- Patch Management

Storage Administration & Support Functions

- Manage Current Storage Environment
  - Identify any storage shortages
  - Alert & resolve any performance issues & notify end-users
  - Ensure data is available to all applications
- Backup
  - Maintain proper backup schedule
  - Restore & recover data as requested
- Monitor Current Storage Environment
  - Usage performance availability reporting on status
- Capacity Planning
  - Forecast storage growth
  - Determine allocation of different storage types

Data Center Network

- Monitor & Manage Network Capacity & Performance Between Access, Compute & Storage Environments
- IP Address Management
- Domain Name System (DNS)
- Security

Operating System
(Microsoft Windows Server & Red Hat Linux)

- Monitoring
- Backup
- Recovery
- Systems Configuration
- Patch Management

END TO END

At TenFour we understand that an organization's Data Center does not function alone. That's why our Data Center platform is designed to easily connect with and support all other applications of the infrastructure delivered by TenFour via its various utility services.
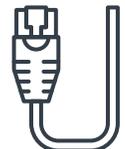
| Wide Area Network | Local Area Network | Unified Communications & Collaboration | Internet of Things | Network Security | Physical Infrastructure |

BUSINESS USE CASES

Cloud-First Strategy

Business Problem: A customer wants to reduce overall IT costs by adopting a Cloud-First strategy, which could include moving some business-critical systems to Software-as-a-Service providers, such as Salesforce, SAP (Cloud), or Workday. This migration could result in the reduction of 50% or more of their server and storage capacities. They are finding it difficult to justify the resources needed to support a scaled-back environment.

TenFour's Solution: TenFour provides the hosting facility and all operational support to accommodate a private Cloud environment that interconnects with the existing customer site and public Cloud infrastructures. This provides the customer with a highly secure hosted Data Center with embedded operational support, enabling them to decommission their existing Data Center and scale back the operational expenses associated with supporting their own facilities.

Outgrown Data Center

Business Problem: A customer has outgrown their current Data Center/server room and does not have the capability to expand without incurring significant capital expense to build additional facilities such as a raised floor, power distribution, back-up generators, fire control systems, and physical security.

TenFour's Solution: TenFour provides a fully functional Data Center with embedded operational support for a customer to scale their business and systems without expending any capital expense. TenFour's Data Center as a utility service acts as an extension of the customer's current Data Center for compute, storage and associated network infrastructure. This secondary extension is capable of acting as a Data Center Disaster Recovery site for key applications running in the customer's primary Data Center.

Merger or Acquisition

Business Problem: A customer has just undergone a merger or acquisition and neither one of the companies has a Data Center capable of housing both companies' applications and equipment. The customer must migrate to an existing system/application or develop a new set of applications and infrastructure that will accommodate the combined business functions.

TenFour's Solution: TenFour provides Data Center hosting and operations functions to accommodate the development testing and eventual migration of both companies' data and business functions. The ability to scale while developing applications and eventually promoting to production is a tremendous benefit as the combined companies can limit their financial costs during the transition and transformation. The new infrastructure accommodates a revised network schema including IP address consolidations, data storage and consolidations, application migrations and replacements as well as a new workforce with new processes and business functions.

ABOUT TENFOUR

What got you through the Information Age won't get you through the Digital Age. You need new tools.

We've created a new type of IT infrastructure company. We build exceptional, private domain global IT infrastructure that is simplified, has fewer defects, and costs less to operate than traditional models. And we don't just build and operate IT infrastructures; we own them. We're not a Cloud computing company, but we've taken the Cloud model and extended it beyond compute and storage to core components, platforms, and services, such as routers, switches, wireless access points, IP phones, IoT devices, and so much more which has traditionally been "uncloudable." The best part is: just like electricity and water utilities, you pay only for what you use, when you use it.

At TenFour we're dedicated to helping you achieve the goals that will power the digital future of your business.

LET'S GET STARTED

Reach out to **+1 973 267 5236** or email **hello@tenfour.com** to see how TenFour's Data Center utility service can help ensure your organization's future is built on the strongest foundation possible.