



# Tigunia's Flexible Compute Private Hosting Data Center

## *Fast, Secure, and State-of-the-Art*

Our Chicago data center is part of a nationwide network of data centers that align with Tigunia's commitment to providing our customers with:



### Simple, cost-effective, and scalable services for every need

With many on-net carriers and cross-connection support to other carriers, we give you access to the internet bandwidth and connectivity services of your choice.



### Security and Compliance focused technology

We provide cross-network alignment on security and compliance best practices to mitigate risk and put clients' minds at ease. Secure and compliant solutions are our top priority.



### Complete Service and Customer Satisfaction

Our datacenter is supported by people who are technical experts, passionate about client success, who realize that solutions are not one-size-fits-all. Our retention rate is 99%.

## High Powered Server Space Featuring:

- 15,650 sq. ft. of raised floor - 89,000 sq. ft. total constructed of masonry and steel
- Facility is audited under SSAE 18 SOC 2 Type II, PCI-DSS\*, GLBA and HIPAA standards annually, as well as ITAR and EU-US Privacy Shield registered
- All infrastructure is concurrently maintainable
- Secure facility with Multi-factor authentication requirements for datacenter access, mantraps, video surveillance, and 24-hour on-prem security personnel
- Pan-tilt-zooms cameras at each doorway throughout the exterior of the facility
- Carrier-neutral, resilient 10 Gb Internet connectivity with high availability
- Diverse upstream feeds via separate paths into facility on an SDWAN using HSRP and other protocols
- Connectivity with 10 different carriers, 9 of them On-Net: AT&T, CenturyLink, Cogent, Comcast, Crown Castle, GTT Communications, Megaport, Windstream, Zayo and Telia Carrier US (not on-net)
- 2N or System Plus power design
- 2MW of initial distribution capacity with each customer cabinet served with redundant A-/B-side power feeds
- Dual-power feeds - two independent electrical feeds coming into the data center from the utility company to prevent interruption to power supply in our cabinets





## High Powered Server Space Featuring:

- Two 2MW Cummins backup generators each with 4,000 gallons of fuel storage, tested regularly
- Multiple MGE 8, 000 625k VA arrays for true 2N redundancy within the electrical system
- 1,550k W of uninterrupted power supply (UPS) critical load capacity
- Redundant chiller plant with N+1 CR AH units in the data hall

## The Hardware:

- Cisco UCS (Unified Computing Systems) provide high-density enterprise grade compute
- High-density cluster nodes and 40GB networking fabric (Powered by Pure Storage)
- All flash storage tiers that are concurrently maintainable, including NVMe, Premium Write Intensive SSD's, and Premium Read Intensive SSD's
- Enterprise flash storage throughout our datacenter providing real world average performance of 145,000 IOPS and 1.1 GB/sec storage throughput
- Every site has two ICX routers, and at least two diverse interconnection links to other sites
- 99.9% uptime SLA, with options to provide up to 99.999% uptime
- High-end, carrier-grade gear that is capable of hundreds of gigabits per second of throughput
- A mix of dark fiber, wave, and carrier circuits to interconnect sites
- Options for fully dedicated hardware compute nodes
- hardware options for you to rack your customized hardware workload in one of our data centers on your virtual network
- Bring Your Own Firewall Appliance (BYOFW) means you can terminate your WAN with any preferred firewall appliance or use one of our secure provided managed firewall virtual appliances or VPN Gateways
- VMs in our stack are automatically balanced between availability and maintenance groups providing better uptime and removing single points of failure

## The Software:

- Tigunia Unified Business Technology Director (Powered by Cisco UCS) provides a portal for ease of administration and secure API controls of your hosted workload
- Unified Business Technology Director also creates a private cloud containing compute, network and storage with a middleware of automation orchestration
- Hyper-V and Virtual Machine Manager, specialized for hosting windows server 2019, and SQL 2019 server workloads

Learn more about how Tigunia can help you with your business's hosting needs. Get in touch with the Tigunia Team:

Call: (866) 562-8911

Email: [connect@tigunia.com](mailto:connect@tigunia.com)

Visit: [tigunia.com](http://tigunia.com)

# tigunia

## About Tigunia:

Tigunia delivers unparalleled full-service technology solutions for medium-sized companies in North America. Covering the complete array of needed IT services, from server infrastructure to executive dashboards, we do this in a way that is the right fit for each of our customers. We never sell you more than you need or leave you needing something else to complete the project. Cloud or on-premise, this is always the customer's choice, and solutions are always based on your goals and agendas, never our own.