

iVAULT

Data Center Information



Location, Location, Location:

Our facility offers our clients the highest levels of security, protection and reliability. It was designed for fault-tolerance and feature fully redundant power grids with multiple feeds from several substations. Onsite uninterrupted power supply (UPS) systems and backup generators provide redundant protection all equipment.

Our network and cable distribution are designed with divergent routes and multiple connections for unsurpassed reliability. Fortress-like physical security controls and procedures keep our clients' mission-critical applications up and running around the clock. All elements in our power and networking infrastructure have been designed to the N+1 high-availability standard.

As a TruSecure Certified facility, we employ stringent security and privacy policies based on auditing standards and industry best practices. Our facility has earned both SAS70 and TruSecure certification and was recently named one of the most trusted leaders in data and network security by Cisco Managed Security Services.

Disaster Recovery Data Center information:

iVault's Data Center resides in upstate New York. Renovated in 2001 to support mission-critical applications, the facility is an N+1 infrastructure with no single points of failure. With a total of 70,000 square feet, the facility includes 30,000 square feet of active data and 20,000 square feet of Class A office space, both on raised floor. The data center is expandable to 50,000 square feet.

Network Environment

iVault's fault-tolerant network environment provides divergent routes and multiple connections in networking cable, via multi-homed Synchronous Optical Network Technology ("SONET") rings. This setup establishes N+1 redundancy for all network devices.

Our self-healing wide area network and fully redundant, high-speed local area network infrastructure (Fast Ethernet/Gigabit Ethernet) provide our clients with highly reliable, secure network solutions that have virtually limitless scalability. As a carrier-neutral provider, iVault is currently interconnected and peering with multiple national international Tier 1 and Tier 2 carriers. We also provide end-to-end Ethernet connectivity between this data center and New York City.

Network Security

We employ stringent security and privacy policies based on auditing standards, industry best practices and TruSecure recommendations. The facility recently earned TruSecure's certification for service providers. Cisco Managed Security Services recently recognized our data center as one of the most trusted leaders in data and network security.

Where Your Data Resides:

Physical Security

The data center has an integrated security approach ensures that our clients' equipment and data benefit from multiple levels of protection at all times. Dedicated security personnel monitor controlled access at the building perimeter and within the data center. Proximity card readers and video surveillance systems monitor and control access within the facility. Additional features of the physical security include:

- * 52 video surveillance cameras
- * Motion sensors
- * Biometric identification readers for Data Center access
- * "External buffer" corridor in the Data Center
- * Proximity badges matched to an individual fingerprint
- * Bonded security staff on duty 24x365

Electric Power

Our Data Center is designed with full N+1 redundancy. At any time, each component is connected with multiple power and networking connections. The center's power design is based on multiple and fully divergent power grids and substations, N+1 Uninterruptible Power Supply (UPS), N+1 generator backup and N+1 generator feeds to the building.

The data center has a highly available electrical infrastructure. The facility has the capability to support over 100 watts per square foot. Our system is built on a tiered electric system that includes:

- * 2 in-house electrical substations
- * 2 separate power grids
- * 2 Kohler 2MW diesel generators powered by a Detroit Diesel 4000 HP engine
- * 3,000 gallons of fuel per generator
- * 100 gallon per hour burn
- * 4-500 KVA PowerWare 9315 UPS systems with Cyberex status switch
- * 14 Kohler transfer switches
- * Kohler parallel switch gear built for 3 generators
- * Generator platform pre-wired for third generator load bank
- * 12-PDI power distribution units model PPB4150G641

Cooling Systems

The data center cooling system is a closed loop, glycol-based system that includes:

- * 4-750 ton HVAC cooling towers supported by 5-600KW chiller pumps
- * 23 air handlers, 4 with humidification systems
- * Cold water (approximately 43 degrees Fahrenheit) provided to each unit, circulated through a heat exchange unit that moves cold air under the data center floor

