

# Enterprise Data Center



# Enterprise Data Centers

- **Location & Infrastructure:** Usually on-premises, requiring dedicated space, power, cooling, and security.
- **Power & Cooling:** High-capacity power supply with backup generators, efficient cooling systems (CRAC units, chillers).
- **Security:** Physical security measures such as access controls, surveillance, and monitoring.
- **Staffing & Maintenance:** Skilled personnel for operations, maintenance, and upgrades.
- **Connectivity:** Reliable high-speed connectivity for internal and external networks.
- **Redundancy & Reliability:** N+1 or 2N configurations for critical systems to ensure uptime.
- **Compliance:** Must meet industry standards and regulations based on data sensitivity.

## SERVER HOSTING AND DATA CENTER FACILITIES

1001 Texas provides state of the art hosting and data center facilities allowing customers to host their equipment within its secure premises. 1001 Texas has 2 state of the art Data Centers within 1001 Texas Ave.

The facilities are purpose build, and have been designed with fully redundant systems:

### Security

- . Solid reinforced walls with storm shuttered windows.
- . Premises manned 24/7
- . Reinforced steel doors
- . Tag and PIN entry system with logging
- . CCTV cameras monitoring all aisles and entry points
- . Intrusion detection

### Power

- . Onsite electrical substation
- . 2 separate banks of UPS's providing each rack with 2 independent feeds
- . Onsite generator

### Environmental

- . Fully redundant temperature control system
- . Remote notification of temperature and humidity variation

### Fire Protection

- . FM200 gas suppression system
- . HSSD early detection system
- . Fire detection remote notification and alarm

### Monitoring

- . All systems are monitored from the operations center on a 24/7 basis by engineers onsite to immediately respond to any anomalies.

### Telecommunications infrastructure

- . Telecommunications to this building is provided by multiple fiber rings entering the premises at geographically diverse points.

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## Revision #1

Created 15 September 2025 12:11:08 by Max

Updated 15 September 2025 12:18:02 by Max