Edge Cloud Storage

Edge Cloud hosts all of your data in an off-site storage facility.

About the Facility

Location – Central Iowa has consistently been ranked as one of the lowest-risk areas for data center placement. The threat of natural disasters is extremely minimal.

Structure – The buildings have 12" reinforced pre-cast concrete walls with joints reinforced and tested to 200+ MPH winds. The campus is built to suit up to 20,000 square feet of additional data center space on the property.

Power – The facilities have a power density of 225 watts per square foot with redundant power utility feeds delivered underground. This eliminates outages due to wind, snow, and ice. Iowa power costs are among the lowest in the nation.

Cooling – Cooling through packaged HVAC units located at the side of each facility to minimize roof penetrations.

Security – Data center physical security complies with PCI DSS and HIPAA, and is audited annually to meet ISO 20000-1, ISO 27001, and SSAE 18 SOC I Type II, SOC 2 Type II, and SOC 3 requirements. The facilities have bulletproof glass and secure check-in at the main entrances, plus man traps, biometric scanners and tailgate sensors at all other access points. Closed-circuit TV monitored 24/7/365 with video archiving. 24/7 manned Network Operations Center with engineering staff performing hourly walk-arounds.

Redundancy – Redundancy is built into all LightEdge data centers. The facilities are designed to weather nearly any conceivable incident with very minimal downtime. The facility has redundant isolated path power architecture for S+1 diversified electrical, multiple redundant utility transformers, generators, automatic transfer switches (ATSs), main switch panels, UPSs, and PDUs.

Building Security

LightEdge access controls ensure that only authorized personnel required to support the environment and network infrastructure are allowed access to your systems.

- Multi-factor authentication
- 24/7/365 staffed Network Operations Center
- ISO-compliant configuration and inventory management (CMDB)

Data Center Security

- ISO 20000-1 and ISO 27001 certified
- SSAE 18 SOC 1 Type II, SOC 2 Type II and SOC 3 certified, enterprise-class data centers
- Meet requirements for HIPAA and PCI DSS compliance
- Multi-layer physical and logical security systems
- Multi-factor, biometric authentication on all critical entry points

- Bulletproof man-trap for entry authentication

- 24/7/365 monitored video surveillance with 90 days retained

- Onsite NOC staffed around-the-clock in each data center

- Our Images are backed up to Amazon and we do hourly transaction log backups, Daily Differential Backups, and Weekly full backups.

Ransomware Protection

In addition to educating our employees about how to spot ransomware, Ortho2 has several layers of protection with the data center.

- Ensure backups are maintained and restorable; our backups are tested on a monthly basis.
- Patch endpoints. Ortho2 does monthly and quarterly updates on our Windows systems. In addition, we ensure our firewall is up-to-date, and geo-block certain countries.
- Ortho2 has limited access to privileged accounts, and restricted users' ability to install and run software applications on network devices.
- The best thing you can do to prevent ransomware in your office is to educate your employees on what ransomware looks like and to not click on anything that seems suspicious. A strong security program paired with employee education about the warning signs, safe practices, and responses aid tremendously in preventing these threats.