

Safe, Secure ParishSOFT Hosting Facility

Facility

The ParishSOFT Data Center (PSDC) is located in a separate facility about three miles from ParishSOFT headquarters. The PSDC building is equipped with cameras, secure access keys, fingerprint readers, raised flooring, redundant power generators, smoke detection and fire suppression systems, and several Power Distribution Units (PDUs) in each room. The building itself is connected to two other data center facilities to provide redundant internet links. All server racks are secured with different keys.

- 10,500 square feet facility with 7,500 square feet of 12" raised floor.
- Separate natural gas and diesel generators can deliver 850 kilovolt-ampere (kVA) capacity
- 375 kVA of uninterruptible power supply (UPS) from dual Liebert units
- 100 tons of Liebert cooling
- Pass card and numeric key door locks with remote lock and unlock
- Environmental monitoring
- Video surveillance with 90-day digital video recorder (DVR)

Configuration

Our SQL database servers are clustered together to provide better scalability, performance and fault tolerance and deliver enterprise-class reliability to our customers. If one server is taken down by any means, there will be no interruption of service. This is also the case if additional servers need to be added. By clustering the servers, the load is distributed and resources are shared among all servers.

For data file storage we use a Storage Area Network (SAN) system that provides scalability, performance and better management. The SAN causes data files to be written to many physical disks at the same time, which lets users save and retrieve files faster than on traditional servers.

Our web servers are placed in a demilitarized zone (DMZ) environment in which a “neutral zone” blocks outside users on a public network from accessing your private network data. These servers are also load balanced to provide redundancy and better performance. The website traffic is secured in different ways depending on the requirements of that site. All sites that require secure traffic are configured with Secure Sockets Layer (SSL). This encrypts data being passed from server to client. All websites require some sort of login procedure to access the actual content.

All data that changes frequently, such as database files, are replicated to the ParishSOFT HQ every 15 minutes.

The PSDC Internet bandwidth is able to reach 10 MB for upload as well as download.

Network Availability

Network performance monitors (NPMs) are in place to monitor all resources and provide notification for any failures. In addition the PSDC is staffed 24x7x365 to ensure your applications are always safe and always online.