

Data Centers

SoftLayer Technologies®

Contact Us
1-866-398-7638
214-442-0602
softlayer.com

■ What It Is

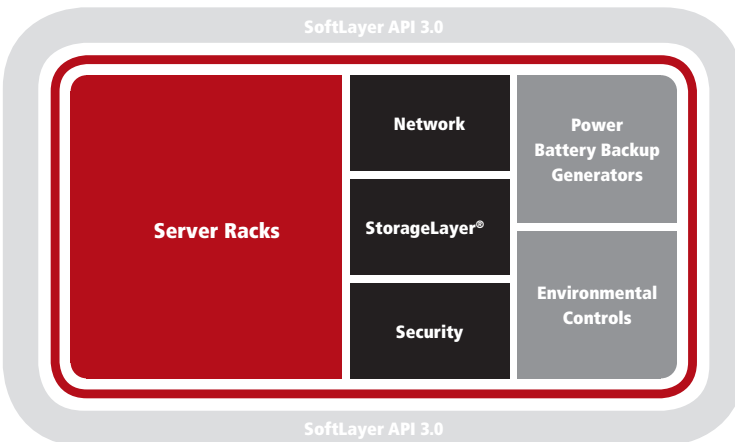
SoftLayer® operates multiple data centers in Dallas, Seattle, and Washington D.C., built upon SoftLayer's unique pod data center design concept. Our data centers are functionally independent with distinct and redundant resources, and fully integrated through SoftLayer's revolutionary network architecture, allowing seamless intra-data center capabilities. SoftLayer customers have direct control over their systems in any SoftLayer data center and full access to all of SoftLayer's backend services—all fully automated and on demand. Our highly trained engineers are available to provide on-site, enterprise-class services in the event a non-automated function is needed.

SoftLayer data centers are SAS 70 Type II Certified, meeting industry-recognized requirements for security and reliability. The exhaustive, third-party certification assessment included extensive testing of the control objectives and activities at all SoftLayer data center facilities, including oversight by executive management, operations and customer service, development and information technology organization, human resources policies and procedures, and risk assessment monitoring.

Additionally, SoftLayer is self-certified with the U.S. Department of Commerce's U.S.-European Union (EU) Safe Harbor framework, verifying that SoftLayer meets the EU's adequacy standard for data and privacy protection. Self-certification and participation in the Safe Harbor framework is entirely voluntary. For official documentation or any questions regarding SoftLayer's SAS 70 Type II Certification and Safe Harbor self-certification, please contact sales@softlayer.com.

■ Data Center Pod Concept

SoftLayer created the unique pod design concept for data center environments. Each data center facility features one or more pods, with each pod built to the same specifications with best-in-class methodologies to support up to 5,000 servers. Leveraging this standardization across all geographic locations, we optimize key data center performance variables, including: space, power, network, personnel, and internal infrastructure.



Current Pod Distribution

Dallas (INFOMART):	5 pods
Seattle (Sabey):	2 pods
Washington, D.C. (Digital Realty):	2 pods

Total Current Capacity

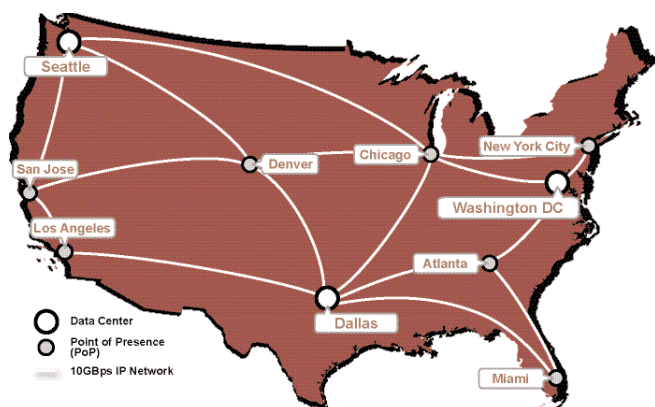
9 pods
1,200 racks
45,000 servers

■ Key Advantages

On-Demand, Virtual Data Center Through IPMI 2.0 server technologies, secure and remote out-of-band management, and proprietary automated solutions, SoftLayer provides a highly scalable, on-demand, virtual data center experience.

Geographic Diversity With fully-featured data centers in Seattle, Dallas, and Washington D.C., SoftLayer provides geographic diversity ideal for maintaining system and data redundancy, as well as for placing systems in the optimal physical location for traffic volume and speeds.

Redundant, Best-in-Class Infrastructure All SoftLayer data centers maintain multiple power feeds, fiber links, dedicated generators, and battery backup. They are built from industry-leading hardware and equipment, ensuring the highest level of performance, reliability, and interoperability.



SoftLayer's Data Center to Data Center Network provides free, dedicated, and secure connection between servers housed in any SoftLayer facility.

- Dedicated 10Gbps fiber link with AboveNet™
- Automatic fail-over through alternate secure connection
- Secure, high-speed data transmission between data centers
- 10 network Points of Presence (POPs) provide direct or non-direct network connections for exceptionally low latency

■ Dallas Facility

SoftLayer Dallas is located inside the recognized Infomart telecom hotel, a private, N+1 facility near downtown Dallas. Infomart is home also to data centers belonging to MCI, Level 3®, Equinix, NTT America, Switch and Data, Verizon, and ViaWest. It sits on three redundant TXU electrical grids, delivering diverse power to each quadrant of the building, with five, on-site, 100-ton water chillers meeting N+1 cooling requirements.

Specifications

- Capacity: more than 25,000 dedicated servers
- 6000 amps 480v input power
- 6 x 750 kVA UPS battery backup units
- 3 x 2 mW diesel generators with on-site fuel storage
- Redundant Liebert 30-ton HVAC units
- Pre-action dry pipe fire suppression
- Proximity security badge access
- Digital security video surveillance

■ Seattle Facility

SoftLayer Seattle is located in a private N+1 data center facility outside the Seattle fault and liquefaction zones. The facility is designed and constructed to sustain a seismic event while maintaining business functions and boasts low latency through superior connections to Seattle's robust fiber optic loops, 55MW of existing electrical capacity, 45 on-site generators with .5-million gallons of on-site fuel storage, and a carrier vault system supported by more than 50 miles of embedded, secure conduits.

Specifications

- Capacity: more than 10,000 dedicated servers
- 2000 amps 480v input power
- 4 x 500 kVA UPS battery backup units
- Multiple 2 mW diesel generators with on-site fuel storage
- Redundant Liebert 30-ton HVAC units
- Pre-action dry pipe fire suppression
- Biometric security system with proximity badge access
- Digital security video surveillance

■ Washington, D.C. Facility

SoftLayer D.C. is located in a private N+1 data center facility just 7 miles from Dulles airport in Chantilly, Virginia. The facility is also home to data centers belonging to AT&T and Verizon Business, and receives power from two redundant Dominion Virginia Power grids. It includes three, on-site, 600-ton cooling towers, fully meeting N+1 cooling requirements.

Specifications

- Capacity: more than 10,000 dedicated servers
- 2000 amps 480v input power
- 8 x 750 kVA UPS battery backup units
- 3 x 2 mW diesel generators with on-site fuel storage
- Redundant 30-ton CRAC units
- FM-200 fire suppression system with VESDA
- Biometric security system
- Digital security video surveillance