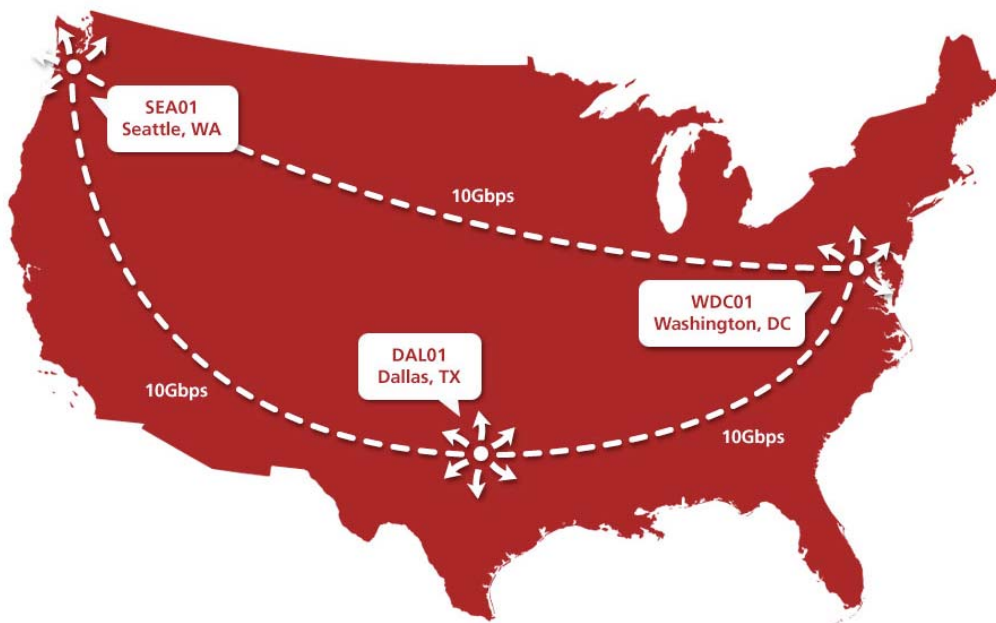


The SoftLayer Network

What it is

The SoftLayer network seamlessly intergrates three distinct and redundant network architectures—public, private, and data center to data center—into the industry’s first “network-within-a-network” topology for maximum accessibility, security, and control. This revolutionary design gives system administrators unfettered access for total management over their server environments without exposure to external threats. Our network is built from best-in-class networking infrastructure hardware and software with exceptional bandwidth and connectivity for the highest speed and reliability.



Key advantages

Secure Network-Within-a-Network Topology — Our proprietary network design delivers the ease of use of a public network with the security of a private one. Systems are fully accessible to administrators but safely off-limits from external users.

Best-in-Class Infrastructure — We leverage industry-standard hardware and software solutions from the industry’s top network and security technology vendors to provide exceptional performance, reliability, protection, and scalability.

High-Speed, Redundant Connectivity — Our network provides maximum performance throughout its entire architecture. Each server rack features 40G of connectivity, for a level of redundancy and throughput ideal for intensive applications including grid, clustering, and high performance computing. Dedicated 10G fiber connections between our geographically diverse data centers provides high-speed throughput with low latency.

Load Balancing — SoftLayer’s enterprise-class load balancing solution utilizes industry-standard techniques (including round-robin, lowest latency, least connections, shortest response and IP persistence) to balance traffic among 2 or more servers, even between geographically diverse data centers. It can be instantly activated and ready to configure, and servers can be added to or removed from the balancing pool on-demand with no downtime.

Hardware Firewalls — SoftLayer’s hardware firewall solutions can be provisioned on-demand without service interruptions for additional and immediately scalable server security. Firewalls are completely in administrators’ control, fully managed through our convenient customer portal.

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Network structure

The SoftLayer network-within-a-network topology integrates three distinct architectures:

PUBLIC NETWORK Handles public traffic to hosted web sites or online resources.

Features multi-homed connectivity to the Internet with bandwidth from multiple, independent carriers.

Carriers

- Internap (5x10Gbps)
- NTT/Verio (2x10Gbps)
- Qwest (10Gbps)
- SAVVIS (10Gbps)
- Global Crossing (10Gbps)
- Level3 (10Gbps)

Technology and tools

- Multiple internet backbone connections
- Cisco Systems 10G network
- Cisco Guard DDOS protection
- Tipping Point IPS/IDS protection
- Arbor Peakflow traffic analysis
- Arbor ATLAS global traffic analyzer

Capabilities

- Automated IP routing and management
- Individual secure private VLAN per customer
- Gigabit speed from server to internet
- Allows on-the-fly addition of servers to existing VLANs
- Allows on-the-fly addition of services to existing servers
- Supports dedicated, VDS, and grid technologies

PRIVATE NETWORK Allows for true out-of-band management through a distinct stand-alone third carrier over SSL, PPTP or IPSEC VPN gateways.

Gateways

- XO Communications (1Gbps)
- Cogent Communications (1Gbps)

Capabilities

- Secure out-of-band management via VPN
- Individual, secure private VLANs per customer
- Unlimited bandwidth for uploads/downloads
- Gigabit server-to-server speeds
- Free server-to-server cross connects
- Secure customer-to-customer cross connects
- Direct access to tools and services including:
 - private OS update servers
 - private local DNS resolvers
 - OS reload and OS change servers
 - SoftLayer software repository
 - centralized NAS/backup
 - McAfee security update server

DC TO DC NETWORK Provides free, dedicated and secure connection between servers housed in any SoftLayer facility.

Capabilities

- Dedicated 10Gbps fiber link with AboveNet
- Automatic fail-over through alternate secure connection
- Secure, high-speed data transmission between data centers

Contact SoftLayer

For more information on SoftLayer and any of our products, contact one of our technically trained sales staff by phone, email, or live chat via our site.

866.398.7638
214.442.0602
sales@softlayer.com
softlayer.com