CloudLayer™ Computing

SoftLayer Technologies®

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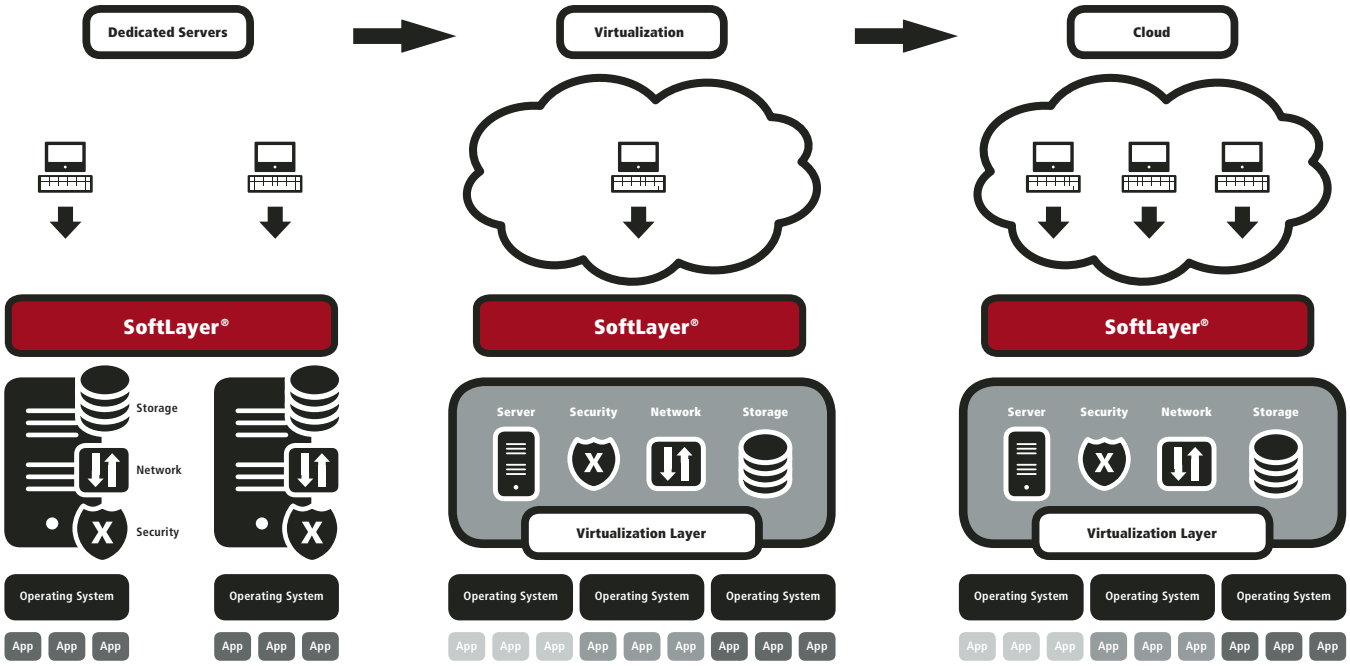
What It Is

CloudLayer™ Computing provides massive, on-demand computing scalability, ideal for optimizing your IT environment with flexible yet robust computing power.

Deploy on-demand computing instances running enterprise-grade and open source operating systems in as few as five minutes. Leveraging SoftLayer's core advantages, automated services expertise, and the leading Citrix® XenServer™ platform, these instances can stand alone or be seamlessly integrated with the rest of your SoftLayer dedicated servers, virtual servers, automated services, and additional CloudLayer services, to create a unified computing environment with unequaled efficiency and interoperability.

Or build your own cloud computing solution from the ground up. SoftLayer dedicated servers paired with leading third-party solutions give you the perfect platform for creating and managing an environment for online applications and other Web 2.0 services.



Key Features and Benefits

Pay As You Go Pricing Hourly and monthly rates with no long-term commitment let you optimize your cost/performance balance and return on computing investment. Pay only for the computing power you need and use.

Dedicated + Virtual + Cloud Integration Dedicated, virtual, and cloud systems and services can be seamlessly integrated via SoftLayer's leading Private Network into a single computing environment controlled through our Customer Portal or API.

Automated Recovery Computing instances automatically recover in the event of the failure of a physical computing resource, maximizing uptime and continuity.

Rapid Deployment Turn services on and off on the fly to massively scale up or down to exactly the amount of computing power you need, exactly when you need it.

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Key Features and Benefits (cont.)

Ease of Use and Control KVM over IP access to computing instances, and full control via Customer Portal and API provides streamlined, simplified management of your solution and a direct connection to all SoftLayer services and tools.

Image Library Capture, template, and store system images for accelerated provisioning and simplified management.

Wide Selection of Virtualization Technologies Build your own cloud computing platform and choose your virtualization solution from a selection of leading third party partners, including VMware®, Microsoft®, Citrix, and Parallels®.

Virtualization Beyond the Box Virtualized networking, security, storage, and management lets you create fully virtual environments, optimizing your solution well past just the server.

Who Should Use It

CloudLayer Computing is ideal for companies and individuals that require scalable computing power and flexible, independent, or integrated computing environments. CloudLayer Computing provides environments that are ideal for a wide variety of specific business applications, such as:

- Disaster recovery and business continuity
- Maintenance window and load balancing
- Abstraction layer
- Virtual labs (development, testing)
- Patching
- Security
- Thin client

Available Virtualization Technologies

At SoftLayer, you can combine dedicated servers, CloudLayer Computing, and your choice of virtualization technologies to create a customized cloud computing platform. Virtualization options include:

Citrix XenServer Powered by the popular Xen hypervisor, XenServer includes an industry-leading, easy-to-use management console that can provision and manage any number of physical and virtual machines (VM) across a distributed data center environment.

Microsoft Windows Server® 2008 Hyper-V™ Microsoft's next-generation hypervisor runs virtual machines running independent operating systems (including Windows, Linux, and others) on a single physical server, with integrated tools for managing both physical and virtual machine resources.

Parallels Virtuozzo Containers A preferred solution for hosting providers, Virtuozzo creates multiple, independent "containers" on a single physical server and OS instance. Each container holds an independent virtual environment (VE) complete with its own Linux operating system.

VMware® ESX ESX is a bare-metal hypervisor that abstracts processor, memory, storage, and networking resources to create multiple virtual machines from a single physical machine. Each VM can run separate operating systems and applications, allowing increased server utilization capabilities and cost efficiencies.

Contact SoftLayer

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

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