

DATA SHEET

Solbox Cloud Server

Today's data center is made up of many large independent systems. You have a server, there is some storage attached to it, the server has an operating system (e.g., Windows, Linux, Solaris, etc.), and it runs a particular application. This proliferation has made management very difficult.

By virtualizing all assets in the IT infrastructure with the **Solbox Cloud Server**, you can create a IaaS(Infrastructure as a Service) cloud computing to shift resources from maintaining existing systems to invest in building innovative service. This empowers complex management and service of virtualized computing of server, networking resources and storage.

By providing over 20 organizations, Solbox became the country's most trusted cloud solution provider to drive new revenue, improve operations and advance business goals.

Benefits

- You can install the OS and applications automatically for allocation, deployment, delivery, and configuration of IT infrastructure resources.
- The **Solbox Cloud Server** organizes and controls the resources hierarchically, so you can establish and expand the servers flexibly without taking consideration of physical space or environment.
- Internet service providers can save the investment cost and facilitate system expansion and reduction instantly in preparation for unexpected traffic growth with the **Solbox Cloud Server**.

Features

- Support Multiple Hypervisors
The **Solbox Cloud Server** supports multiple hypervisors like Xen, KVM, Xenserver, and VMware. You can configure the various environments by selecting the appropriate hypervisor suitable for your purpose.
- Large-scale Auto-Provisioning
Automated platform and applications provisioning for large-scale server and storage of the cloud computing enables the cloud service assets to be allocated, located, and delivered promptly and effectively.
- Web-based Management Tools
Cloud Management Center(CMC) is a Web-based management portal to manage VM(Virtual Machine) and operate the service. Even a novice user or administrator in any organizations can utilize CMC which is workflow-based wizard and manage the resources very conveniently for their cloud computing.
- Real-time Monitoring
The **Solbox Cloud Server** monitors utilization of system resources or failures and provides the data real-time to the customers. Hierarchical analytics are essential to evaluate the total resource usage hierarchically and to check the resource status of each physical server. The monitoring data gathered real-time can be utilized for billing in the central contents center, and generated to the analytics by virtual servers, services, and users.
- Hybrid Cloud Environment
Solbox's hybrid cloud environment supports seamless interoperability between the private cloud and public cloud.

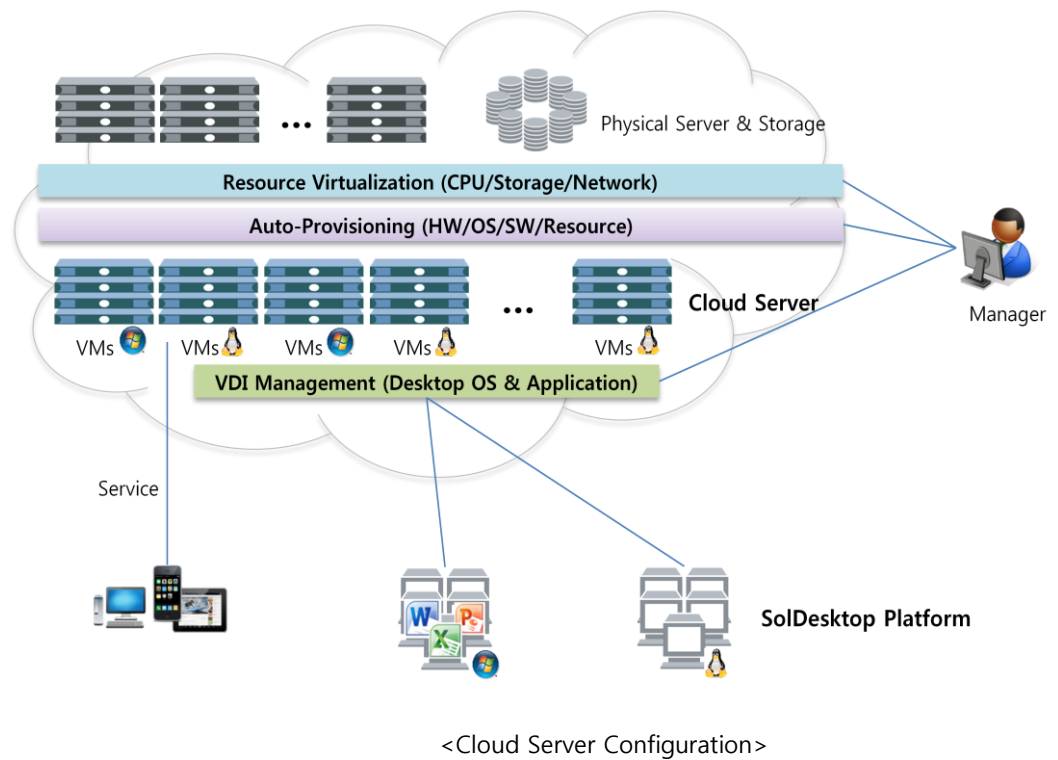
Add-on Features

- Robust Security
Support a variety of securities like VLAN, VPN, firewall, etc.
- Intelligent Load Balancing
Provide the nearest and highly optimized server to the end-users using proximity and response time between the end-users and CDN network based DNS(Domain Name Server). And it hands over effectively the overloaded server load to the appropriate and affordable server by checking server load constantly.
- Traffic Control
Controls network traffic by configuring traffic inbound and outbound by virtual server or groups.
- Connection to Cloud Storage
Connects the data of virtual server to the **Solbox Cloud Storage** and stores them there.

Specification

Category	Description
Inventory Management	<ul style="list-style-type: none"> • OS provisioning • OS automatic installation • Inventory resources monitoring • Grouping by IDC and service
Operation Management	<ul style="list-style-type: none"> • Provide the Web-based GUI environment • Customer and user management • Service configuration by account • H/W types and guest OS image management
Virtual Server Management	<ul style="list-style-type: none"> • Support multiple hypervisors • Virtual server resources provisioning (CPU/MEM/DISK/Network, Bandwidth) • Guest OS (Linux/Windows) image management • Automatic allocation of virtual server according to the physical server resource usage • Control of creation and deletion of virtual server • Usage analytics • Grouping by purpose • Virtual server backup and recovery • Virtual server migration • Web-based remote connection to VNC(Virtual Network Computing) • Fail-over in case of server downtime or failure physically
Additional	<ul style="list-style-type: none"> • Provide cloud storage • Provide cloud firewall • Provide cloud VPN • Load balancing between virtual servers • Traffic control

Diagram



Applicable Services

- To reduce the investment cost of CAPEX and OPEX in IT assets
- To acquire the business agility through instant IT assets allocation
- To make preparation for the raid traffic increase during the specific period from the special events