



INFRASTRUCTURE VIRTUALIZATION SOLUTION “NETSECURER APPLIANCE”

NETSECURER APPLIANCE – is a solution that uses Infrastructure Virtualization to lower I.T. energy consumption & Total Cost of Ownership. It centralizes systems management and allow for greater resilience and recovery. **NetSecurer Appliance** enables faster deployment of new servers, desktops & services and adds layers of security to your infrastructure for compliance, while remaining convenient and user friendly to all.

It's a scalable solution, providing you with unparalleled web based and desktop client management tools to centrally manage your entire virtual environment. The NetSecurer Appliance is a fully Virtualized platform that supports all major Linux and Windows operating systems, and includes support for the next generation IPv6 internet protocol. You will be able to run multiple servers on the bare-metal system which is built for mission critical workflows. By default each NetSecurer Appliance is capable of running simultaneously 4 or more Virtual **Servers or Desktops**. Only limitation being CPU & per GB of Memory, systems RAM (current max. 192 GB)

Main core features include:

- Latest release Citrix XenServer Hypervisor for high performance, HA & DR**
- Centralized management with XenServer Client & API tools
- Expandable Hotswap storage, SAS or SATA-II drives w/ RAID 0, 1, 5 & 10 support
- Support for dual or quad 64bit multi-core CPUs including virtualization technology
- Supports 4GB – 192GB RAM per physical appliance
- Supports external iSCSI, NFS or Fibre Channel and other storage protocols
- Live Migration with (Xen Motion) for VMs* between Appliances; zero downtime.

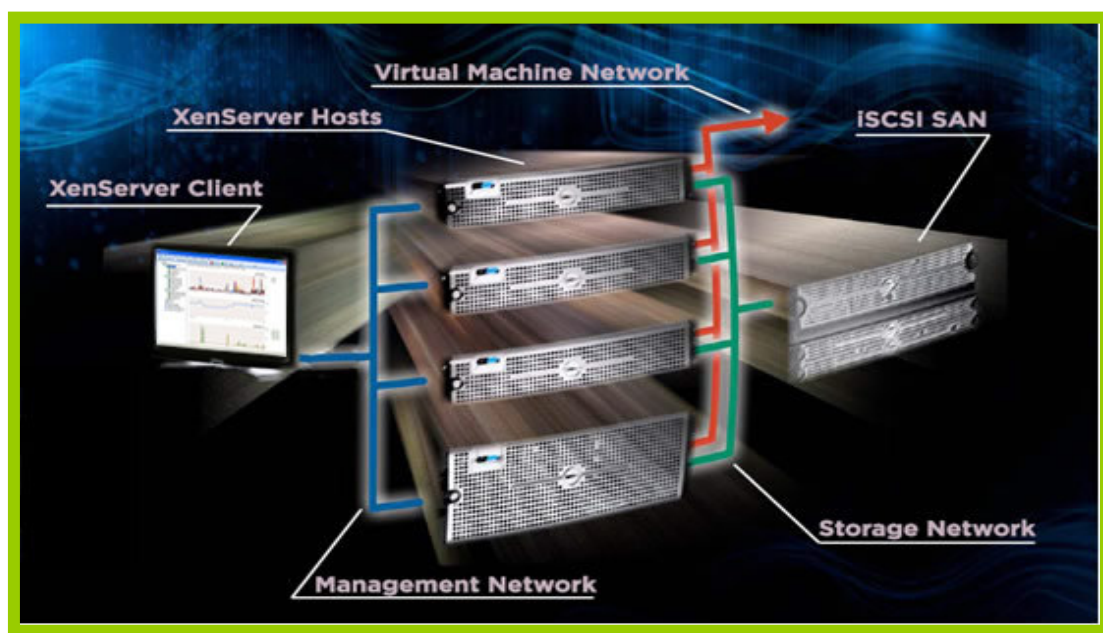


Diagram above shows NetSecurer Xen Appliance solution in a fully redundant setup with four physical servers where the virtual servers are hosted, each connected to three physical networks, the management network for XenServer Client and system backups, a Virtual Machine Network for the servers, and the iSCSI SAN network use for storage in a resource pool configuration. This setup allows live movement and placement of servers on any of the four servers, with a possible support of 16x servers by default.

* VMs – Virtual Machines (servers or Desktops running in a virtual environment); ** HA – High Availability, DR – Disaster Recovery

Where, does the NetSecurer Appliance fit in my end – to – end delivery solution?

It's the core of the solution; it is use to separate the software systems from its physical hardware components and placed them into a virtual environment. This environment allows for the software systems to run as if on their own hardware platforms. All of which have their own processors, memory, storage disks and so on. All allocated resources are scalable, dynamic and can be changed, without having to purchase new hardware when you need to further allocate resources to services users.

This solution reduces the total cost of ownership for any IT infrastructure, allowing fewer hardware installations for the same number of workloads or servers. Reduce physical server sprawl, under utilization and decrease cooling costs associated with having each workload on its own physical server, when the same can be achieve using fewer hardware using virtualization.

The NetSecurer Appliance is a complete set of components that facilitate the move to full end-to-end Virtualization of any size company. Provision new servers, from operating systems installation CDs or network installations or use templates of already built virtual servers. The NetSecurer Solution allows for you to deploy virtual servers within minutes, or convert your existing Physical systems to Virtual Servers using our Physical to Virtual (P2V) migration tool.



Above: NetSecurer Server Appliances from left to right; **Standard 1U – Enterprise 2U – Platinum 3U**; also see in our new editions online; dual nodes, 1U Single/Dual/Quad CPUs with multi-cores for higher density deployments.

Below: license cost for Citrix XenServer, the Express and OEM versions are default with each NetSecurer Appliance, a license upgrade allows for standard, enterprise and platinum features to be enabled without any post setup requirements.

