



Introduction

Citrix XenServer is a high performance virtualization solution designed for efficient support of Windows and Linux virtual machines. HP has tightly integrated Citrix XenServer into ProLiant platforms to enable fast and straightforward installation, configuration, and virtual machine management.

Featuring HP ProLiant Virtual Console

In addition to integrating Citrix XenServer into ProLiant platforms, the product set features the HP ProLiant Virtual Console (PVC). Designed for new users of virtualization technology, HP PVC provides a simple-to-use Graphical User Interface (GUI) to set up and manage virtual machines on individual servers. This reduces the need for a separate management server or even a network.

PVC comes standard with all HP integrated Citrix XenServer options, allowing local virtual machine creation and management using the server's keyboard/video/mouse (KVM). HP iLO 2 Advanced Pack (sold separately) enhances the virtual machine creation and management experience through powerful features such as graphical remote access of virtual machine consoles, as well as virtual media capabilities.

Multiple licensing options

- HP Select Edition packs a punch with power and price. The HP Select Edition offers a low cost, all-in-one solution with integrated Citrix XenServer and HP

ProLiant Virtual Console for single server management. Licensed by server rather than by socket, HP Select Edition allows creation of an unlimited number of virtual machines per server, with up to 32 GB memory per virtual machine. HP technical support and update services are optional.

- For optimum enhanced data center flexibility, HP Enterprise Edition enables resource pooling and live migration. Includes ProLiant Virtual Console for single server management and XenCenter for virtual machine management across multiple servers. Also licensed by server, HP Enterprise Edition includes HP technical support and services.

How HP integrated Citrix XenServer works

- Purchase your preferred integrated Citrix XenServer option kit from HP. You will receive a USB key with the HP XenServer image pre-installed on the key. Insert the key into the internal USB port of your server and change the boot order (see hood label for location of internal USB port on your ProLiant server). Boot the server as usual and XenServer and HP Systems Insight Manager agents are automatically loaded into memory. The ProLiant Virtual Console wizard guides you through host and virtual machine configuration.

HP integrated Citrix XenServer with HP ProLiant Virtual Console provides a simple deployment and management environment that speeds adoption of flexible and cost-saving virtualization technology.

Features and benefits

HP integrated Citrix XenServer combines the performance, security, and openness of the XenServer product line with the easy-to-use HP ProLiant Virtual Console to simplify virtual deployments. XenServer integrated into ProLiant platforms enables rapid deployment to support common virtualization implementations such as server consolidation, software development and test, and virtual desktops.

Straightforward virtualization management: HP ProLiant Virtual Console removes complexity from virtualization installations by offering single server virtual machine management, using the server's KVM or optional iLO 2 Advanced Pack. HP PVC offers:

- A first time wizard based setup that guides you through initial installation and configuration of host and virtual machines in 10 minutes or less.
- GUI-based interface that provides ongoing virtual machine monitoring and management.
- A multi-screen view of virtual machine consoles installed on the server eases the management process by allowing you to view multiple virtual machine consoles at once.
- HP ProLiant Virtual Console comes standard with all HP integrated Citrix XenServer options.

Optional iLO access: The addition of HP iLO 2 Advanced Pack (sold separately) to integrated Citrix XenServer enhances the management of virtual machines on ProLiant servers by providing graphical remote access to HP ProLiant Virtual Console. HP iLO 2 Advanced Pack provides virtual KVM through HP iLO 2 Remote Graphics Console, plus virtual media capabilities, allowing

administration of HP PVC regardless of location. iLO 2 Advanced pack allows you to remotely access both the physical host console as well as the virtual machine consoles installed on the server for optimum management flexibility.

Active hardware management: HP Systems Insight Manager (HP SIM) agents pre-installed along with integrated Citrix XenServer on the USB key provide active hardware management using HP SIM. These agents surface hardware monitoring data by actively polling the server or through pre-failure alerts sent by the server to HP SIM to provide the most up-to-date server state information possible.

Consolidated lifecycle management: Future updates to integrated Citrix XenServer can be made using the same tool used to update ProLiant system firmware. Consolidating integrated Citrix XenServer and ProLiant firmware updates through the same tool simplifies time-consuming lifecycle management. The USB key is partitioned with redundant images, enabling a robust upgrade and recovery process.

Broad server support: HP supports a broad range of servers for XenServer products, allowing customers to continue to use their existing server standards in their virtual deployments. As the virtualization installation grows, integrated HP Select Edition is easily upgraded to the Citrix XenServer HP Enterprise Edition by simply applying a new license key to the existing ProLiant server.

Optimum interoperability: HP invests heavily to facilitate optimum interoperability and performance of Citrix products on HP platforms, including full-time engineering support on site at Citrix. This is one reason why more than 50% of all Citrix deployments run on HP servers.

HP ProLiant iVirtualization: Easier done than said

When it comes to managing your servers—it is about time

HP Insight Control is the integrated server management portfolio that allows you to monitor, deploy, and control your HP ProLiant and HP BladeSystem servers from almost anywhere. Consolidated management of physical and virtual assets is enabled through this portfolio, combining the capabilities of HP Systems Insight Manager (SIM), and HP Essentials plug-in modules. Take control of your valuable time and transform the way you manage your IT with these integrated management tools designed for your ProLiant and/or BladeSystem environments.

HP SIM

HP integrated Citrix XenServer includes HP SIM agents for active hardware management. HP SIM is a management solution hosted on Windows, Linux or HP-UX that manages the lifecycle of HP servers and storage. HP SIM helps IT organizations proactively manage system faults, assets, hardware configurations, warranty and support contracts, and more. With proven ROI, HP SIM is the clear choice for managing HP servers and storage by being the easiest, simplest, and least expensive way for system administrators to improve system uptime and health. HP SIM is packaged as part of the Insight Control management suite that delivers deployment, remote management, virtualization, and power management capabilities.

VMM

HP Virtual Machine Management Pack (VMM) is an extension to HP Systems Insight Manager capabilities to manage virtual machines. The Virtual Machine Management Pack provides central management and control of VMware®, Microsoft®, and Citrix XenServer virtual machines with physical host to virtual machine association, easy identification of VMs or host servers reaching high CPU, memory or disk utilization levels, highly flexible move capabilities that allows live moves (on some platforms) and moves to dissimilar host resources, and backups, templates, and more. VMM can help reduce downtime by relocating VMs from a host server when predictive hardware failure alerts are received.

SMP Universal

HP Server Migration Pack Universal Edition provides an automated, accurate, and affordable way to migrate existing servers and their content to the latest HP BladeSystem or ProLiant server technologies or the latest virtualization platforms from VMware, Microsoft, and Citrix. SMP Universal supports P2ProLiant, V2ProLiant, P2V, and V2V migrations, and can run standalone or integrate with HP Systems Insight Manager. Physical or virtual, the fastest and easiest way to migrate your servers is with HP Server Migration Pack Universal Edition.

Factory Express

HP Factory Express offers configuration, customization, integration, and deployment services for HP servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed. Factory Express offers service packages for simple configuration, racking, installation, complex configuration, and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. Service includes pre-delivery site review, factory installation and configuration, onsite installation, and product orientation for your staff. For more information visit www.hp.com/go/factoryexpress

For more information

For information on the Citrix and HP partnership visit <http://www.hp.com/solutions/citrix>

HP Services

HP Virtualization Support Services help you concentrate your resources where they are needed most, so that your organization can keep pace with changing business needs.

IT is all about business—helping your company multiply revenue, increase market share, and bring new products and services to the market. This is where HP Virtualization Support Services come in to play. Our team of virtualization experts provides a consultative and practical approach to harnessing the power of virtualization technology which would help you achieve all your important business objectives.

Choose the level of service you want depending on your current level of in-house expertise and your plans for virtualization in the future. HP integrated virtualization services, provide you with assistance for capacity planning, design, deployment, and operational service management, including industry-leading mission-critical support.

HP integrated Citrix XenServer Enterprise Edition comes with 1-year 9x5 unlimited incidents support and subscription update services.

The productivity support-level upgrade options are:

- 1-year 9x5 unlimited incidents software support and subscription updates for Citrix XenServer HP Select Edition
- 3-year 9x5, 1-year 24x7 and HP recommended service level of 3-year 24x7 unlimited incidents software support, and subscription updates for either Citrix XenServer HP Enterprise Edition or XenServer HP Select Edition

Learn more about HP Virtualization Support Services at www.hp.com/services/VirtualizationSupport

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