RETIRED: This document has been officially retired, and the base products listed herein are now considered obsolete and are no longer available for sale. Consequently, the information contained within may no longer be current. This document is provided exclusively for reference and informational purposes.

Citrix XenServer™, HP Select Edition:

Citrix XenServer is the only enterprise-class, cloud-proven virtualization infrastructure solution that delivers the critical features of live migration and centralized multi-node management for free. XenServer is an open and powerful server virtualization solution that radically reduces datacenter costs by transforming static and complex datacenter environments into more dynamic, easy to manage "delivery centers".

By providing features like live migration, shared storage support, centralized multi-node management and resource pooling in a free infrastructure solution, Citrix XenServer enables any organization, no matter the size or budget, to immediately benefit from the power of server virtualization

XenServer, HP Select Edition on HP ProLiant platforms enables installation, configuration, and virtual machine management. This revolutionary way of distributing virtualization technology combines seamless integration and active ProLiant management to ensure confident virtual deployments, greater resource utilization, increased system flexibility, better investment protection, improved management productivity, enhanced power management and reduced risks. XenServer, HP Select Edition is the simplest and most efficient way to virtualize servers.

HP customers can easily download the XenServer Install ISO. Using the installation ISO you can now install the HP version of XenServer to a server's hard drive, a USB key or SD card. This includes the XenServer hypervisor, HP's Management Agents and HP's ProLiant Virtual Console (PVC) utility - 90 days trial license for PVC.

One of the most unique aspects of the XenServer, HP Edition product is the HP developed ProLiant Virtual Console. The HP ProLiant Virtual Console allows simplified management of the virtualization server with the ability to create and manage virtual machines including resource adjustments, performance management and configuration of the virtualization server itself. The HP ProLiant Virtual Console is designed for new users of virtualization technology. HP PVC provides a simple to use GUI interface to setup and manage virtual machines on individual servers, without the need for a separate management server or even a network. PVC comes with XenServer, HP Select Edition (90 day PVC trial license), enabling local virtual machine creation and management using the local console of the server.

XenServer, HP Select Edition includes the HP Systems Insight Manager Agent stack to allow for active management of the HP ProLiant Server. XenServer, HP Edition has the XenServer, HP Select Edition Free version (integrated with HP Management Agents + HP PVC 90 days trial) and ProLiant Virtual Console Full License.

The virtual machine creation and management experience is greatly enhanced with the HP iLO2 Advanced Pack (sold separately), which provides a number of powerful features, including graphical remote consoles and virtual media capabilities.

Citrix Essentials for XenServer, HP Editions:

Citrix Essentials brings advanced virtualization management and automation capabilities to XenServer environments, enabling customers to transform their datacenters into automated "delivery centers". This set of rich management and automation capabilities includes automated high availability, workload balancing, Lifecycle automation, dynamic provisioning for physical and virtual machines, and deep integration with leading storage platforms. Citrix Essentials for XenServer, HP Edition has Enterprise and Platinum Editions.

The Citrix Essentials for XenServer, HP Enterprise Edition is designed to provide a core set of tools to help customer's integrated virtualization into their existing environments. Enterprise Edition includes Citrix StorageLink, Provisioning Services, High Availability, Workload Balancing and Workflow Studio Orchestration.

Citrix Essentials for XenServer, HP Platinum Edition includes all the features of Enterprise plus Lab and Stage Management for a full lifecycle management solution

Citrix Essentials for XenServer, HP Edition Upgrades to HP Enterprise Edition and HP Platinum Edition. The upgrades licenses allow customers to upgrade from Citrix XenServer, HP Select Edition and PVC Full License to HP Enterprise and HP Platinum Edition.

Overview

Customers can upgrade from Citrix Essentials for XenServer, HP Enterprise Edition to Essentials for XenServer, HP Platinum Edition.

What's New

- Citrix XenServer, HP Edition v5.5: Offering XenServer, HP Select Edition Free Version (integrated with HP ProLiant Virtual Console 90 days trial and HP Management Agents) and ProLiant Virtual Console full License
  - Citrix XenServer: Including new features
    - Integrated Backup System
      - Support for cold, warm and hot backups
      - Allows in-guest full and incremental backups of VMs (file & image)
      - Includes host based file system snapshots for easy backup of smaller environments
      - Delivers fast cloning for the rapid deployment of VMs across the environment
    - Active Directory Integration
      - Allow use of AD credentials to login to XenServer hosts
      - XenServer hosts join AD domain/forest
      - Configurable via XenCenter, XenServer console, and answer file
      - Set once per pool
      - Logging / Auditing of user activity
      - Local super-user account will remain
      - Bindings support in SDK
      - Provides Revocation support
  - Citrix Essentials for XenServer: HP Edition
  - Citrix Essentials for XenServer: HP Enterprise Edition: Including new features
    - Workload Balancing - Automatically relocate a VM based on host performance criteria including memory, processor or I/O utilization
    - Dynamic Provisioning Services for Virtual Machines - Consolidate storage by creating a set of golden images which can be streamed to virtual machines for fast, consistent and reliable deployments
  - Citrix Essentials for XenServer: HP Enterprise Upgrade from PVC Full License
    - This upgrades SKU allows customers to upgrade from Citrix XenServer, HP Select Edition and PVC Full License to HP Enterprise
  - Citrix Essentials for XenServer: HP Platinum Edition. Including new features:
    - Stage Management - Reduces the complexity and time associated with patching and updating application in the production lifecycle
  - Citrix Essentials for XenServer, HP Platinum Edition - Upgrades to HP Platinum Edition from PVC Full License and from HP Enterprise Edition
    - These upgrade licenses allow customers to upgrade from Citrix XenServer, HP Select Edition and PVC Full License to Platinum Edition and Upgrade from Citrix Essentials for XenServer, HP Enterprise Edition to Citrix Essentials for XenServer, HP Platinum
  - The HP Integrated image Install ISO. Using the installation ISO you can now install the integrated version of XenServer to a server's hard drive, a USB key or SD card
  - HP released new flash media devices to be used with XenServer.
  - Information on HP supported flash devices is listed under USB and SD Options section below.

At A Glance

How XenServer from HP works

Citrix XenServer, HP Select Edition Free Download: The ISO includes a license for XenServer, HP Select Edition and a 90 day trial license for PVC. You can choose different types of media to download your software (USB flash drive, SD card or hard drive).
Get Free Download and supported flash media information here: URL:
http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPXS

Overview

HP ProLiant Virtual Console (PVC) Full License: The HP ProLiant Virtual Console allows simplified management of the virtualization server with the ability to create and manage virtual machines including resource adjustments, performance management and configuration of the virtualization server itself. HP PVC removes complexity from virtualization installations by offering single server virtual machine management.

XenServer:

Strategic Feature	Key Concept	Supporting Technical Points
Best Virtualization Platform	Adding new features	• Live Migration • XenCenter Management • Intelligent Workload Placement • Integrated Backup System
	Free version	• Virtualization platform for free • More virtual machines per server with advanced memory handling and bare-metal performance
Open Architecture	Open Source hypervisor	• Hypervisor cannot be crashed by a virtual machine or driver (device drivers not in hypervisor).
	Rich and open API set for deep integration	• Open APIs and Workflow Studio easily allow XenServer to integrate with existing or customized processes and tools. • Fully supports industry standard management interfaces
	Wide compatibility	• Broad OS guest support: Windows, Linux (Red Hat, CentOS, Oracle, Novell SUSE, Debian)
Easy setup, integrate and administer	Rapid Deployment (10 Minutes to Xen)	• Easy to use, wizard-based installer. • Easy point-n-click setup for advanced network, storage and high availability configurations • Automatic multi-pathing for fast and foolproof storage access
	Active Directory Integration	• Allow use of AD credentials to login to XenServer hosts • XenServer hosts join AD domain/forest • Configurable via XenCenter, XenServer console, and answer file • Set once per pool • Logging / Auditing of user activity • Local super-user account will remain • Provides Revocation support
	Intuitive XenCenter console	• Easy-to-install management console. • Version updates and hotfixes are easily applied from a single wizard with no application downtime. • Wizard-enabled diagnostics to simplify and accelerate tech support, if needed
Bare-metal performance	Native performance	• Native 64-bit architecture delivers near-native performance for 64-bit and 32-bit workloads.
	More virtual machines per server	• Thin, 64-bit hypervisor architecture delivers better workload consolidation ratios • Optimized for 64-bit systems with large memory pools and multi-socket architectures while maintaining best in industry performance for legacy 32-bit workloads • Thin, light, and efficient with near bare-metal performance
Open storage integration	Works with any storage	• DAS, NAS, SAN (iSCSI or FC) support • Automated storage discovery and integration

	Core Storage Management	• Delivers host-based volume management (partitioning, mirroring) on top of JBOD and storage arrays • Provides software-based snapshots and dynamic multi-pathing
	Disaster recovery ready	• Simple and automated replica of configuration data keeps DR site in sync with production site
Simplest to manage	XenCenter Management	" Single console with a familiar, intuitive Windows user interface " XenCenter included free with XenServer " Simple, wizard-driven utilities for easy server, storage and network configuration
	Advanced reporting and alerting	" Graphical real-time and historical performance monitoring and alerting " Persistent storage of performance information to allow trend analysis
	Self-healing management architecture	" Resilient high availability management architecture with no single point of failure (SPOF) " Shares management and configuration data across all servers in a resource pool for redundancy " Auto-failover of XenCenter management console and data

- Citrix Essentials for XenServer, HP Editions:
  - Essentials for XenServer Enterprise Edition: Including new features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines
  - Essentials for XenServer Platinum Edition: Including new features as Stage Management
- Citrix Essentials for XenServer: Features:
  - Advanced StorageLink Technology: Citrix Essentials supports all storage architectures and delivers deep integration with leading storage
  - Automated Lifecycle Management: Develop, test, deploy and maintain applications faster by automating and simplifying the VM lifecycle
  - Dynamic Provisioning Services: Consolidate storage by creating a set of golden images which and be streamed to both physical and virtual machines for fast, consistent and reliable deployments
  - Workflow Orchestration: Enables customers to create customized workflows to automate common datacenter management tasks
  - Application Continuity Services: Provides a range of availability options for XenServer environments ensuring application will be running when they are needed.

Support & service: HP bundles 1-year 9x5 unlimited support and subscription services with Citrix Essentials for XenServer, HP Enterprise Edition and with Citrix Essentials for XenServer, HP Platinum Edition.
Support and subscription services are optional with HP ProLiant Virtual Console PVC Full License.

HP iLO2 Advanced Pack (optional): The addition of HP iLO2 Advanced Pack to integrated Citrix XenServer greatly enhances the management of virtual machines on ProLiant servers by providing graphical remote access to HP ProLiant Virtual Console. HP iLO2 Advanced Pack provides virtual KVM through HP iLO2 Remote Graphics Console, plus virtual media capabilities, allowing administration of HP PVC regardless of location, as well as other features such as shared remote console, console record and replay capabilities, and directory services integration.

Models

Models	Citrix Essentials for XenServer, HP Enterprise Edition NOTE: For resilient, manageable, and production-ready offering for medium to large enterprise deployments. Including features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines	
	HP Essentials-XenServer Enterprise No Media License Including 1-yr 9x5 Support and Service.	571939-B21
	Citrix Essentials for XenServer, HP Platinum Edition Upgrade from Enterprise Edition NOTE: Customers can upgrade from Citrix Essentials for XenServer, HP Enterprise Edition to Citrix Essentials for XenServer, HP Platinum Edition. For sophisticated, multi-purpose, enterprise-wide virtual environments. Including features as Stage Management.	
	HP Essentials XenServer Plat Upgrade No Media License. Including 1-yr 9x5 Support and Service	571940-B21
	Citrix Essentials for XenServer, HP Enterprise Edition Upgrade from PVC Full License NOTE: Customers can upgrade from Citrix XenServer , HP Select Edition and PVC Full License to Citrix Essentials for XenServer, HP Enterprise Edition. For resilient, manageable, and production-ready offering for medium to large enterprise deployments. Including features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines.	
	Essentials-XenServer HP Enterprise Upgrade No Media iSW License. Including 1-yr 9x5 Support and Service	573886-B21
	Citrix Essentials for XenServer, HP Platinum Edition Upgrade from PVC Full License NOTE: Customers can upgrade from Citrix for XenServer, HP Select Edition and PVC Full License to Citrix Essentials for XenServer, HP Platinum Edition For sophisticated, multi-purpose, enterprise-wide virtual environments. Including features as Stage Management.	
	Essentials-XenServer PVC-HP Platinum Edition iSW No Media License. Including 1-yr 9x5 Support and Service	573889-B21
	Citrix Essentials for XenServer, HP Platinum Edition NOTE: For sophisticated, multi-purpose, enterprise-wide virtual environments. Including features as Stage Management.	
	Essentials -XenServer HP Platinum No Media License. Including 1-yr 9x5 Support and Service	575265-B21
	HP ProLiant Virtual Console (PVC) Full License NOTE: This license enables customers with the downloadable ISO image and PVC in a full use mode.	
	HP ProLiant Virtual Console (PVC) Full License	508293-B21

Product Features

Manageability

- **HP ProLiant Virtual Console.** HP ProLiant Virtual Console (PVC) is an HP-developed tool that allows users to set up and manage a virtualized server. The intuitive user interface starts on the local console from the time the server initially boots up. Users can create virtual machines, install software for those virtual machines, and manage VMs and resources from the console. While the virtual machines are running, the user can also interact with each virtual machine by using a hot-key to select it, similar to a KVM switch; it even allows users to interact with up to 4 or 9 VMs on the screen at the same time. Since PVC uses the standard local console, the entire experience can also be run remotely using the virtual console feature of Integrated Lights-Out Advanced or through a standard external KVM switch. PVC complements the single-server or multi-server remote management capabilities that virtualization vendors supply by also offering a console that does not require a separate networked client. PVC is included by default with the HP VDI with XenDesktop offerings.
- **HP iLO2 Advanced Pack (optional).** The addition of HP iLO2 Advanced Pack to integrated Citrix XenServer allows graphical remote access to HP ProLiant Virtual Console. HP iLO2 Advanced Pack provides virtual KVM through HP iLO2 Remote Graphics Console, plus virtual media capabilities, allowing administration of HP PVC regardless of location.
- **Active hardware management.** HP Systems Insight Manager agents are installed along with integrated Citrix XenServer to provide active hardware management using HP Systems Insight Manager (SIM). These agents pro-actively surface hardware monitoring data to provide the most up to date server state information possible.
- **Consolidated lifecycle management.** Future updates to HP integrated Citrix XenServer can be made using the same tool used to update ProLiant system firmware. Consolidating integrated Citrix XenServer and ProLiant firmware updates simplifies time consuming lifecycle management.

HP ProLiant Server Support

- **Server support** - HP supports a broad range of servers for Citrix XenServer, HP Editions and for Citrix XenServer Retail (Essentials for XenServer, HP Products and XenServer Retail products), allowing customers to continue to use existing server standards in a virtualized environment.

For information on HP servers that support Citrix XenServer, see:
http://h18004.www1.hp.com/products/servers/software/citrix/hpcitrixcert.html

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HP Web Sites

- Information on the Citrix and HP partnership: http://www.hp.com/solutions/citrix
- Information on HP Integrated Lights-Out (iLO2): http://www.hp.com/go/iLO
- HP Virtualization with Citrix: http://www.hp.com/go/citrix
- Citrix XenApp: www.hp.com/solutions/activeanswers/citrix
- Citrix XenServer: www.hp.com/solutions/activeanswers/xenserver
  and http://h18004.www1.hp.com/products/servers/software/citrix/
- Citrix.com. For more information on Citrix XenServer, such as supported guest OS's, see http://www.citrix.com/English/ps2/products/feature.asp?contentID=683160
- Download the installation software ISO image:
  http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPXS
- Other Essentials for XenServer Downloads:
  http://h20392.www2.hp.com/portal/swdepot/displayProductsList.do?category=VIRTUAL

Supported Product

- Citrix XenServer, HP Select Edition, Essentials for XenServer, HP Editions, and XenServer Retail are supported and certified on a broad range of HP ProLiant Servers including BL, DL, and ML server series products
- The HP ProLiant Virtual Console Full License is included with both the Essentials for XenServer, HP Enterprise Edition and Essentials for XenServer, HP Platinum Edition, and runs on all supported ProLiant servers
- XenCenter management console is included in the Essentials for XenServer, HP Enterprise Edition, and Essentials for XenServer, HP Platinum Edition and runs on all supported ProLiant servers
- HP Systems Insight Manager agents are installed along with Citrix XenServer HP Select Edition to provide active hardware management using HP Systems Insight Manager (SIM)

Component	Description
Citrix XenServer, HP Select Edition - Free Download	Citrix XenServer, HP Select Edition and a 90 day trial license for PVC. You can choose different types of media to download your software (USB flash drive, SD card or hard drive).
Citrix Essentials for XenServer, HP Enterprise Edition	Citrix Essentials for XenServer - HP Enterprise Edition. Including new features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines . For resilient, manageable, and production-ready offering for medium to large enterprise deployments.
Citrix Essentials for XenServer, HP Enterprise Edition Upgrade from PVC Full License.	Citrix Essentials for XenServer - HP Enterprise Edition Upgrade software license enables Enterprise Edition from Citrix XenServer, HP Select Edition and HP PVC Full License. Including new features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines. For resilient, manageable, and production-ready offering for medium to large enterprise deployments.
Citrix Essentials for XenServer, HP Platinum Edition	Citrix Essentials for XenServer - HP Platinum Edition Including new features as Stage Management Stage Management - Reduces the complexity and time associated with patching and updating application in the production lifecycle. For sophisticated, multi-purpose, enterprise-wide virtual environments.
Citrix Essentials for XenServer Platinum Edition Upgrade from PVC Full License	Citrix Essentials for XenServer - HP Platinum Edition Upgrade from Citrix XenServer, HP Select Edition and PVC Full License - Including new features as Stage Management Stage Management - Reduces the complexity and time associated with patching and updating application in the production lifecycle. For sophisticated, multi-purpose, enterprise-wide virtual environments.
Citrix Essentials for XenServer, HP Platinum Upgrade from Essentials for XenServer, HP Enterprise Edition.	Citrix Essentials for XenServer, HP Platinum Edition Upgrade from Citrix Essentials for XenServer, HP Enterprise Edition - Including new features as Stage Management Stage Management - Reduces the complexity and time associated with patching and updating application in the production lifecycle. For sophisticated, multi-purpose, enterprise-wide virtual environments. Platinum Edition adds Citrix Provisioning Server license to Citrix XenServer. Common workloads can be created, maintained, and stored once but run in multiple virtual machines.
HP ProLiant Virtual Console (PVC) Full License	A simple to use GUI interface to setup and manage virtual machines on individual servers. Included with all HP integrated Citrix XenServer products.
XenCenter Management Console	The XenCenter console manages multiple servers in a resource pool. Included in all HP integrated Citrix XenServer products. Requires a separate computer running a supported version of Windows.
HP iLO2 Advanced Pack (optional)	HP iLO2 Advanced Pack provides an easy key-activated upgrade to full Lights-Out functionality on HP ProLiant ML and DL servers. Using HP iLO2 Advanced Pack features, IT managers can perform most server management and administration tasks without physically visiting servers.

Related Options

USB and SD Options	NOTE: HP supported blank SD Flash Device to be used with Citrix XenServer from HP. Flash media must be installed into the internal port of ProLiant Server. Refer to Getting Started Guide for Citrix XenServer from HP for installation instructions.	
	HP 4GB SD Flash Media	580387-B21
Service and Support Offerings (HP Care Pack Services)	Citrix Essentials for XenServer, HP Enterprise Edition. NOTE: For resilient, manageable, and production-ready offering for medium to large enterprise deployments. Including features as Workload Balancing and Dynamic Provisioning Services for Virtual Machines.	
	HP Essentials-XenServer Enterprise No Media License Including 1-year 9x5 unlimited software support and updates for all major and minor versions available from Citrix	571939-B21
	HP 1-year 24x7 - Unlimited technical software support and updates	UJ921E
	Citrix Essentials for XenServer, HP Enterprise Edition Upgrade from Citrix XenServer, HP Select Edition and PVC Full License NOTE: Citrix XenServer HP Enterprise Edition Upgrade from PVC Full License software license include 1 year 9x5 unlimited software support and updates for all major and minor versions available from Citrix.	573886-B21
	HP 1-year 24x7 - Unlimited technical software support and updates	UJ921E
	HP ProLiant Virtual Console (PVC) Full License	508293-B21
	NOTE: HP ProLiant Virtual Console Full License offers optional technical software support and updates. The following Service and support updates are available.	
	HP 1-year 9x5 - Unlimited technical software support and updates	UJ021E
	HP 1-year 24x7 - Unlimited technical software support and updates	UJ023E
	Citrix Essentials for XenServer, HP Platinum Edition	575265-B21
	NOTE: Citrix Essentials for XenServer, HP Platinum Edition includes 1-year 9x5 unlimited technical software support and updates for all major and minor versions available from Citrix.	
	HP 1-year 24x7 - Unlimited technical software support and updates	UN695E
	Citrix Essentials for XenServer, HP Platinum Edition Upgrade from PVC Full License NOTE: Citrix Essentials for XenServer, HP Platinum Edition Upgrade from PVC Full License includes 1-year 9x5 unlimited technical software support and updates for all major and minor versions available from Citrix.	573889-B21
	HP 1-year 24x7 - Unlimited technical software support and updates	UN695E
	Citrix Essentials for XenServer, HP Platinum Edition, Upgrade from Essentials for XenServer Enterprise Edition NOTE: Citrix Essentials for XenServer, HP Platinum Edition Upgrade from Essentials for XenServer Enterprise Edition includes 1-year 9x5 unlimited technical software support and updates for all major and minor versions available from Citrix.	571940-B21
	HP 1-year 24x7 - Unlimited technical software support and updates	UQ640E

Weight & Dimensions	Dimensions	8.75 x 9.75 x 2.25 in (22.23 x 24.77 x 5.72 cm)
	Volume	.111
	Gross Weight (lbs)	.700 lbs (.317 kg)
Environment-friendly Products and Approach	End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: http://www.hp.com/go/green. To recycle your product, please go to: http://www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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