

Product

Q *What is VMware Infrastructure 3?*

A VMware Infrastructure 3, a powerful software suite that empowers enterprises and small businesses alike to optimize and manage their IT environments through virtualization. VMware Infrastructure 3 delivers transformative cost savings as well as increased operational efficiency, flexibility and IT service levels.

VMware Infrastructure 3 virtualizes and aggregates industry-standard servers and their attached network and storage into unified resource pools. Complete environments including operating systems and applications are encapsulated in virtual machines that are independent from the hardware. A set of virtualization-based distributed infrastructure services for virtual machines bring break-through levels of flexibility, serviceability and efficiency to IT environments:

- Central management and monitoring of virtual machines automate and simplify provisioning.
- Distributed resource optimization dynamically and intelligently allocates the available resources among virtual machines, resulting in significantly higher hardware utilization and better alignment of IT resources with business priorities.
- Easy-to-use high availability provides better service levels to applications at lower cost than static, physical infrastructure.

VMware Infrastructure 3 is not tied to any operating system, giving customers a bias-free choice of operating system and software applications. VMware Infrastructure scales to support IT environments of any size.

Q *What is new in VMware Infrastructure compared to ESX2/VC1?*

VMware Infrastructure 3 builds upon the award-winning production-proven VMware ESX Server with 2-Way Virtual SMP and VirtualCenter with VMotion technology and introduces four new ground-breaking products - VMware VMFS 3, a next-generation Distributed File System, VMware Distributed Resource Scheduler (DRS), VMware High Availability (VMware HA) and VMware Consolidated Backup. The suite delivers comprehensive virtualization, management, resource optimization, application availability and operational automation capabilities in an integrated offering.

Q *What is VMware DRS?*

DRS technology dynamically aggregates hardware resources into logical resource pools and are designed to optimally allocate them to applications running in virtual machines. When a virtual machine experiences an increased load, VMware DRS automatically allocates additional resources by redistributing virtual machines among the physical servers.

Q *What is VMware HA?*

VMware HA is designed to eliminate single points of hardware failure by automatically relocating and restarting virtual machines. VMware HA provides uniform high availability across the entire virtualized IT environment without the cost and complexity of failover solutions tied to either operating systems or specific applications.

Q *What is VMware Consolidated Backup?*

VMware Consolidated Backup simplifies data protection by offloading backup to a centralized server. Offloading backup allows ESX Server to run more virtual machines by reducing its load and enables backup to safely occur even during production hours.

Q *How do customers upgrade from ESX2/VC1 to VMware Infrastructure 3?*

A Detailed instructions on how to migrate an existing ESX2/VC1 deployment to VMware Infrastructure can be found in the VMware Infrastructure Installation and Configuration Guide available at <http://www.vmware.com/support/pubs/> .

VMware and VMware VAC partners will also offer professional services to facilitate customer upgrades to VMware Infrastructure 3. VMware offers the “VMware Infrastructure Upgrade Workshop”, a three-day proof of concept delivered by a VMware Certified Professional to assist you with your migration. Custom upgrade engagements and VAC services are also available. For more information on the migration services offered by VMware, visit <http://www.vmware.com/services/consulting.html>.

How to Buy

Q *How do I buy VMware Infrastructure 3?*

A The rich capabilities of VMware Infrastructure are packaged into three easy-to-buy offerings for various IT infrastructure environments:

- VMware Infrastructure Starter is an entry-level offering designed for easy adoption in small and medium businesses as well as branch and distributed locations within large companies. VMware Infrastructure Starter provides server virtualization using local or NAS storage and full management capabilities through the included VirtualCenter management agent. VMware Infrastructure Starter starts at \$1000 for 2-CPU's.
- VMware Infrastructure Standard is designed for consolidation of production environments. In addition to ESX Server, it includes clustered VMFS 3 for enterprise storage connectivity and consolidation, Virtual SMP for running enterprise workloads and the VirtualCenter management agent. VMware Infrastructure Standard starts at \$3750 for 2 CPU's.
- VMware Infrastructure Enterprise is designed as the core strategic IT infrastructure for the dynamic data center. It is designed to deliver significant cost savings and dramatic IT simplification through its full set of infrastructure virtualization capabilities. VMware Infrastructure Enterprise starts at \$5750 for 2CPU's.

VMware Infrastructure 3 is priced per 2-processor increments. Capacity can be flexibly deployed and re-deployed on different size servers, dramatically simplifying initial decisions about how to deploy licenses and license management once licenses are deployed.

Q *Can customers upgrade from a lower-tier edition to a higher one?*

A Customers can upgrade from VMware Infrastructure 3 Starter to Standard or Enterprise. Similarly, VMware Infrastructure 3 Standard customers can upgrade to Enterprise. For pricing, customers should contact a VMware reseller or 1-877-4VMWARE.

Q *Can you buy the product in the VMware Infrastructure suite a-la-carte?*

A The VMware Infrastructure component products that can be purchased stand-alone include VMware VMotion, VMware DRS, VMware Consolidated Backup, and VMware VirtualCenter Management Server. VMware ESX Server, VirtualCenter Agent, VMFS and Virtual SMP can only be purchased as part of one of the VMware Infrastructure editions.

Q *Can you buy ESX Server stand-alone? What about VirtualCenter?*

A VMware ESX Server and VirtualCenter Agent are no longer available for stand-alone purchase. The VMware VirtualCenter Management Serve is available for stand-alone purchase.

Q *Which edition of VMware Infrastructure 3 will existing customers of ESX Server, Virtual SMP, VirtualCenter Management Server, VirtualCenter Agent, and VMotion get, if they have a valid Support and Subscription contract?*

A Existing customers entitled to the new versions of ESX Server, VirtualCenter, Virtual Center Agent, Virtual SMP and VMotion through a valid Support and Subscription contract will get at least the equivalent functionality in VMware Infrastructure 3. For more information on the entitlement paths, refer to the white paper *VMware Infrastructure 3, Pricing, Packaging and Licensing Overview*, available on www.vmware.com.

- Q** *Will customers have access to ESX Server 2 and VirtualCenter 1 when they order VMware Infrastructure 3?*
- A** Yes, in most cases VMware Infrastructure 3 customers may choose to deploy previous versions of ESX Server and VirtualCenter that correspond to the products included in their edition of VMware Infrastructure 3 through a license portal on vmware.com. *However, this policy does not apply to purchases of VMware Infrastructure 3 Starter, upgrades from one version of VMware Infrastructure to another (e.g., VI3 Standard to Enterprise) and SnS fulfillment upgrades.* In these instances customers will not have access to license keys for previous versions of ESX Server and VirtualCenter.

VI3 Starter includes limitations in storage connectivity (no SAN) and deployability (up to 4 physical CPUs and 8 GB of memory) that were not present in previous versions. These limitations are enforced by new licensing mechanisms in VMware Infrastructure and there are no equivalent products available in legacy versions.

- Q** *I am having trouble downloading and installing VMware Infrastructure – who can I contact?*

- A** 24x7 email and phone support will be available for the following VI related topics:
- Installation of Flex-licensed products
 - Download options available
 - FlexLM License management options

For questions on these topics, please contact VMware at vi-hotline@vmware.com or 1-877-4VMWARE