



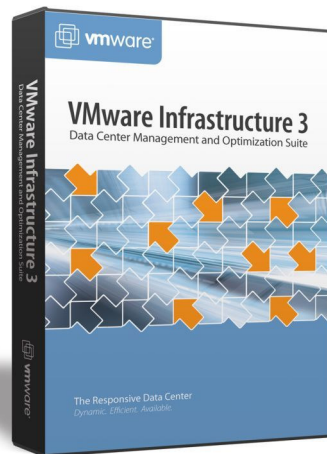
VMware Solutions@Work  
Seminars, Workshops, Round Tables



# VMware Solutions@Work

Q2/2008

## Product Update





# Product Update

## Topics in this edition:

### ➤ VMware Workstation Update

➤ WS 6.0.2 and WS 6.5 Beta

### ➤ VMware Management Automation

➤ LabManager 2.5.2, Lifecycle Manager and Stage Manager 1.0 Beta

### ➤ VMware ESX 3.5 and 3i

### ➤ VMsafe™ Announcement

### ➤ Project North Star Beta

### ➤ Miscellaneous



## VMware Workstation 6.0.2

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- Available at: <http://www.vmware.com/download/ws>
- A maintenance bug fix release
  - Hosts with AMD Duron processors might not be able to power on virtual machines due to missing Intel SSE (Streaming SIMD Extensions)
  - Ubuntu 7.04 virtual machines sometimes power off unexpectedly if paravirtual kernel support is enabled



# VMware Workstation 6.5 Beta

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- To apply: <http://www.surveymethods.com/EndUser.aspx?8AAEC2D883C1D8DE>
- Support for Smart Card & Smart Card Reader
  - Use your smart card for authentication on your host and guest, or across multiple guests!
- Unity
  - Integrate your favorite guest applications with your host
  - Seamlessly access and run your guest applications alongside host applications
- Improved VM Record and Replay
  - Improved VM Record and Replay
  - Take snapshots during recording
  - Browse through a VM to find the perfect spot to begin replay
- Enhanced ACE Authoring
  - Usability enhancements to package and deploy Pocket ACE and Desktop VM's
- Pocket ACE Performance Improvement
  - Taking your entire desktop to go on a USB media made simple and fast



## VMware LabManager 2.5.2

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- Available at: <http://www.vmware.com/download/labmanager>
- Adds support for ESX 3.5 Managed Servers
  - Supports 3.5 and 3.0.x Managed servers but NOT a mix of the two.
  - Lab Manager does not support ESX Server 3i, version 3.5
  - No need to upgrade if you do not intend to run ESX 3.5 Managed servers



## VMware Stage Manager 1.0 Beta

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- Available at: [http://www.vmware.com/beta/stage\\_manager](http://www.vmware.com/beta/stage_manager)
- Rapidly create new multi-server software configurations (services)
- Monitor resource usage on a per-service, per-stage and per-instance basis
- Easily perform operations on a complete service (e.g. cloning, deploying, archiving, etc.)
- Marshall changes across the service lifecycle, interacting with external process management/workflow system to ensure compliance with service transition policies
- Maintain an archive of past service configurations supporting compliance and recovery operations
- Maintain an auditable history of software configuration changes
- Manage storage behavior on a per-stage basis to maximize storage efficiency
- Control access to services on a per-service, per-stage and per-instance basis
- Inherit then deploy services to resource pools created within VMware VC



# VMware Lifecycle Manager

- **Take control of the VM Lifecycle**
- Standardize IT Services
  - Create a catalog of IT services representing groups of VM configurations
  - Define deployment policies for different types of IT services
  - Better control over what types of resources are deployed into the IT environment
- Associate Chargeback Metrics
  - Enables IT to associate chargeback to specific VM deployments and resource pools
  - Can be assigned to specific business groups
  - Or tie in to existing financial systems
- Streamline Request and Approval
- Track and Control Virtual Machines
- Decommission Virtual Machines



## VMware ESX 3i version 3.5

- Installable available at: <http://www.vmware.com/download/vi>
  - Certified for a subset of ESX server HCL
- Pre-installed on selected server hardware from Dell, HP, FSC, IBM, NEC
  - HCL will be different to ESX server HCL
  - See also announcement at VMworld 2008, Cannes:  
[http://www.vmware.com/company/news/releases/3i\\_rollup\\_vmworld.html](http://www.vmware.com/company/news/releases/3i_rollup_vmworld.html)
- January patch (critical) available at:  
[http://www.vmware.com/download/vi/vi3\\_patches\\_3i.html](http://www.vmware.com/download/vi/vi3_patches_3i.html)
- Support for VMware HA with ESX Server 3i version 3.5.0 is experimental
- Not supported with LabManager 2.5.2
- Some specific networking features are not available in ESX Server 3i, see KB <http://kb.vmware.com/kb/1003345>
- GOS compatibility equals to ESX version 3.5



## VMware ESX 3.5

- Available at: <http://www.vmware.com/download/vi>
- January patches available at:  
[http://www.vmware.com/download/vi/vi3\\_patches\\_35.html](http://www.vmware.com/download/vi/vi3_patches_35.html)
  - Patches may fail to install on upgraded (from 3.0.x to 3.5) ESX servers
  - Temporary issue which will be resolved shortly (check back on VMware website)
  - This does NOT apply to fresh installs
- To upgrade from 3.0.x make sure to use bits with release date 2/20/2008, Build: 64607 (instead of 12/10/2007)
  - See <http://kb.vmware.com/kb/1003801> for details
- Supported with LabManager 2.5.2



## VMware VMsafe™

- New security technology, see <http://www.vmware.com/go/vmsafe> for details
- Enables strong security for virtualized environments
- Allows the virtual Datacenter to be more secure than physical Env.
- Backed by 20 leading security vendors incl. McAfee, CheckPoint, Symantec
- How it works:
  - **Memory and CPU**
    - VMsafe provides introspection of virtual machine memory pages and CPU states
  - **Networking**
    - VMsafe enables filtering of network packets inside hypervisors,,as well as within the security virtual machine itself
  - **Process execution**
    - VMsafe provided in-guest, in-process APIs that enable complete monitoring and control of process execution
  - **Storage**
    - Guest virtual machine disk files can be mounted, manipulated and modified as they persist on storage devices



# VMware Project North Star Beta (Thinstall)

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- Available at: <http://www.vmware.com/beta/northstar>
- VMware application virtualization (powered by Thinstall)
  - Deploy applications without conflicts and even quicker than before
  - Extends desktop virtualization from OS to App layer
- How does it work?
  - Allows apps to be packaged into a single executable
  - Packages do not require administrator rights to execute
  - Allows for distribution of key applications without any local installation at end-points
  - No agent is required on the end-point
  - Fully Portable (Copy to a USB stick)
  - Can be launched from a network share for VDI
- New features at GA
  - Dynamic linking between „virtual packages“ (Application link)
  - over the wire updates via HTTP/HTTPS to update deployed virtual apps (Application Sync)
  - VMware tested and fully VMware supported. At GA 24x7 Gold and Platinum Support



## Miscellaneous

- Can you use VI3.5 Foundation license for ESX Server 3.0.2 and VirtualCenter 2.0.2 binary? Will it allow to use VSMP, SAN and iSCSI?
  - Yes, you can use the VI Foundation license with ESX Server 3.0.x and VC 2.0.x binaries
  - However, VCB will not work on ESX 3.0.x with a VI3.5 Foundation lic. Must upgrade to 3.5
  - Please do not confuse: Virtual Center Foundation license only works on VC 2.5
- Can you install VCB and VC on the same server?
  - Yes, supported beginning with VirtualCenter 2.5 and VCB 1.1
- Does VCB 1.1 support multi-pathing software?
  - VCB 1.1 supports multi-pathing
  - Incidentally, VCB 1.0.3 also support multi-pathing software
- Which versions of ESX Server and VC are supported with VDM 2.0?
  - ESX Server 3.0.2 and above (which includes ESX Server 3.5)
  - VirtualCenter 2.0.2 and above (which includes VirtualCenter 2.5)
- Can we mirror disks from within a VM?
  - Yes, but ONLY for Windows Dynamic Disks



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# Thank you!