Support for Microsoft Applications & Server Virtualization Validation Program.

Wee-Meng, Thoo
Technology Alliance
VMware Asia Pacific
Agenda

VMware Technology Alliance Partnership (TAP)

➤ Why.

➤ What are in it.

➤ Why is it important to you.

VMware supported by Microsoft SVVP

➤ What is VMware’s position.

Other ISV Application supported by VMware

➤ How do you use the tool.
VMware

Building the Virtual Infrastructure Ecosystem thru Technology Alliance Partnership (TAP)

Why?
Virtualization has Become Mainstream

“Enterprises that do not leverage virtualization technologies will spend 25% more annually for hardware, software, labor, and space for x86-based servers”

-- Gartner Report

Customer adoption continues to accelerate
- Customers are wanting to accelerate enterprise-wide deployments
- Customers TCO benefits are well-proven, predictable and repeatable

Industry strong endorsement in Virtualization
- VMware VI 3 and ESX-style ‘hypervisor’ approach acknowledged as ideal virtualization solution
- Goldman Sachs CIO survey: Virtualization is the fastest-growing IT investment
Robust Partner Ecosystem

130+ Technology Alliance Partners

25+ Community Source Partners

600+ Virtual Appliance Partners
VMware driving Innovation in the Virtual Infrastructure Ecosystem thru Technology Alliance Partnership (TAP)

How?

- VMware Community Source Initiative
- VMware Key Ecosystem Initiatives
- VMware Ready Virtual Appliances
The VMware Community Source Initiative

An open virtualization platform with shared control that drives economic benefits and differentiation

- Provides Technology Alliance Partners with an opportunity to collaborate with VMware to develop advanced virtualization technology and features
- Key partners gain access to VMware ESX Server source code for contributing shared code
- Allows development of unique value-added solutions under a royalty-free license
- Enhancements support new technologies or boost performance
Key Ecosystem Initiatives

- Virtual Appliance Program Licensing
- Integrated Management and Standards
- VMSafe
- Processor Assist co-development
- I/O Virtualization and Standards
- Pluggable Virtual Switches, VM Aware Networking
- DR Replication, VM Aware Storage
The Technology Ecosystem is Designing Around VMware
What is a virtual appliance?

A virtual appliance is a preinstalled and preconfigured application packaged along with an OS in a virtual machine.

Virtual appliances represent an evolutionary step in the distribution of software solutions.

Virtual appliances take the positive attributes of both the traditional software and hardware distribution models and combines them without the associated drawbacks.
Why software can be painful

- Assembly required!
- User has to acquire all of the required components of one of the “supported” stacks
- User has to install, configure and maintain all components
- Manually intensive process
- Error prone, with multiple support calls to follow
- Difficult for solution provider to replicate and support
- Fault tolerance (HA/DR) not always there, implemented in inconsistent fashion (requiring run books for each process), and/or an expensive add-on
Before / After Virtual Appliances

Before Virtual Appliances
- Firewall Appliance
- VPN Appliance
- SPAM Appliance
- E-Mail Appliance
- VOIP Appliance
- Anti-Virus Appliance
- Search Appliance
- Integration Appliance

After Virtual Appliances
- Firewall Virtual Appliance
- VPN Virtual Appliance
- SPAM Virtual Appliance
- E-Mail Virtual Appliance
- VOIP Virtual Appliance
- Anti-Virus Virtual Appliance
- Search Virtual Appliance
- Integration Virtual Appliance

- One-to-one ratio of function to device
- Support from multiple sources
- Inefficient utilization of hardware

- Pools of computing resources
- Standardize on preferred hardware & support
- Simplify operational support
- Decrease footprint of each solution
- Efficient utilization of hardware
- Patch management made easy
Virtual Appliance Benefits

“IBM and VMware have been working closely on developing VMware Ready virtual appliance solutions for Information On Demand. This allows our mutual customers to leverage virtualization to more efficiently unlock the business value from their information” said Arvind Krishna, vice president, data management and worldwide information management development at IBM.

“Virtual appliances simplify life for the end user by neatly packaging and integrating the application, middleware and operating system. Customers who deploy VMware Ready virtual appliances powered by SUSE Linux Enterprise will realize the benefits of a simplified deployment, easier management and greater security while lowering their development costs.” said Roger Levy, senior vice president and general manager, Open Platform Solutions at Novell.

http://www.vmware.com/appliances/partners/
900+ virtual appliances
What is validated and supported by Microsoft?
Microsoft SVVP – What is it?


VSSP enables virtualization vendors to validate their solution so that customer can expect support from MS.

Cisco Systems, Inc.
Citrix Systems, Inc.
Novell, Inc.
Oracle, USA Inc.
Sun Microsystems
Unisys Corp.
Virtual Iron Software
VMware, Inc.
Microsoft SVVP – What is the status?

VMware joined VSSP in August 2008.
VMware passed validation on Sept 3rd 2008.

ESX 3.5 U2 is the first Hypervisor validated by VSSP.
MS VSSP – What does validation mean?

Customers will now get corporate support from MS when running Windows Server on ESX 3.5 U2.

VMware has a premier support contract with MS and can escalate issues to MS Support on a customer’s behalf.
MS VSSP – What about older versions of ESX?

Older versions of ESX are still bound by Microsoft Support Article ID:897615

“As part of the investigation, Microsoft may require the issue to be reproduced by the customer independently from the non-Microsoft hardware virtualization software.”
MS VSSP – What about the MS Applications?

As part of VSSP, Microsoft has published a list of MS Applications that are supported. Article ID:957006

Microsoft Application Virtualization (App-V)
Microsoft BizTalk Server
Microsoft Commerce Server
Microsoft Dynamics AX
Microsoft Dynamics CRM
Microsoft Dynamics NAV
Microsoft Exchange Server
Microsoft Forefront Client Security
Microsoft Intelligent Application Gateway (IAG)
Microsoft Forefront Security for Exchange (FSE)
Microsoft Forefront Security for SharePoint (FSP)
Microsoft Host Integration Server
Microsoft Internet Security and Acceleration (ISA) Server
Microsoft Office Groove Server
Microsoft Office PerformancePoint Server
Microsoft Office Project Server
Microsoft Office SharePoint Server and Windows SharePoint Services
Microsoft Operations Manager (MOM) 2005
Microsoft Search Server
Microsoft SQL Server 2008
Microsoft System Center Configuration Manager
Microsoft System Center Data Protection Manager
Microsoft System Center Essentials
Microsoft System Center Operations Manager
Microsoft System Center Virtual Machine Manager
Microsoft Systems Management Server (SMS)
Microsoft Visual Studio Team System
Microsoft Windows HPC Server 2008
Windows Server 2003 Web Edition
Microsoft Windows Server Update Services (WSUS)
Windows Web Server 2008
What other applications are supported on VMware?
SAP and VMware

VMware Announces Support from SAP of VMware ESX Server for Production Environments

Responding to Customer Demand, VMware and SAP Establish Global Technology Partnership; VMware Infrastructure Supports SAP® Solutions with Both Windows and Linux on Industry-standard Hardware

PALO ALTO, Calif., December 12, 2007 — VMware, the leader in virtualization software, today announced that SAP AG will provide immediate full support to its software running on VMware ESX Server. Servers from all industry-standard hardware platforms have been tested and certified for SAP solutions running on VMware Infrastructure software suite. VMware and SAP have signed a global technology partnership agreement and are working together to provide a seamless integration of SAP solutions with VMware ESX Server, a component of the VMware Infrastructure family, with companies that have achieved hardware and software certifications with VMware ESX Server. This partnership is another example of how VMware is working with leading technology companies to provide a robust solution set for businesses.

"There has been overwhelming customer demand for SAP and VMware solutions. Support of SAP solutions on VMware ESX Server means customers can extend the numerous benefits of infrastructure virtualization to the business-critical and functionally rich SAP solutions in their IT environments," said Brian Byun, vice president of global partners and solutions at VMware. "This support reflects the increasingly productive relationship between SAP and VMware, and it provides a sought-after solution for customers looking to combine the powerful process management capabilities of SAP solutions with the robust data center management and cost-saving features of VMware Infrastructure."
SAP supports VMware

SAP AG supports its applications in production environments running on VMware® ESX Server

- Global Agreement assures customers with full support
- Covers 64-bit Linux and Windows operating systems
- Support for all environments, including production systems
SAP customers gain the benefits of VMware® Infrastructure

- Decreased Total-Cost-of-Ownership
  Use less hardware, less space, less energy, less administration, faster deployments
- Low-cost high availability, business continuity & data protection
- Quick & easy server provisioning
- Advanced infrastructure services
  VMware® VMotion™, High Availability, Distributed Resource Scheduler
- Guaranteed support & problem resolution
  Both SAP and VMware work cooperatively

40,000 SAP customers can benefit immediately
VMware fully integrated into SAP Partner Ecosystem

- VMware is SAP Global Technology Partner

- New SAP Support Notes available for Linux and Windows on VMware with full support for production environments

- Dedicated VMware technical staff stationed in Walldorf, Germany

- New Windows Certification process with VMware approved by SAP Benchmark Council

- VMware is new member of SAP Benchmarking Council

VMware office in Walldorf

VIRTUALIZATION FORUM 2008
Proven Track Record in Success in the Industry
Proven virtualization results

Global ISV & Technology

Virtualization Forum 2008
What Does It Mean for You as Customers?

VMware enables you the choice to deploy the application and OS environment of your choice on the hardware environment of your choice.
Thank You

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