vmware®

intel

The IT-Powered Enterprise with Intel, SAP, and VMware

Intel, SAP, and VMware understand not only the challenges businesses have always needed to meet, but also the new pressures surfacing in today's volatile global marketplace. Companies must be able to assess opportunities and challenges more quickly, and adapt their strategies and execution rapidly to keep pace with evolving market landscapes.

The three companies share a common vision for the future—a future in which technology is the key enabler behind better decision making, innovation, and business growth, providing businesses with proven solutions that deliver lower costs coupled with the flexibility, scalability and performance they need to adapt continuously in today's business environment.

SAP-, Intel- and VMware solutions can dramatically improve business agility while reducing total cost of ownership. Each company is the industry leader within its own market, and each offers the most advanced technology and highest expertise for creating the dynamic IT landscape that enables business transformation.

Intel-based servers are the most reliable and thoroughly validated server platforms in the market, helping businesses worldwide reduce their risks and operate with great productivity at low cost. They extend your server platform's value and capability beyond the CPU—with innovations in chipsets, standards, storage, I/O, memory, server management, power management, and hardware assistance for virtualization.

VMware® Infrastructure creates virtual services out of the physical IT infrastructure, enabling administrators to allocate these virtual resources quickly to the business units that need them most. Your IT costs are reduced with increased efficiency, flexibility and responsiveness, and you can quickly connect and manage resources to meet business needs.

SAP® applications deliver business process innovation in a flexible package. They give you productivity-building tools and enable best practices that SAP has developed with industry leaders, large and small. As a result, SAP applications improve visibility, increase efficiency, and strengthen your ability to make sound business decisions.

The Dynamic Datacenter with Intel, SAP, and VMware

The combined expertise of VMware and Intel ensures that your infrastructure resources are designed, manufactured and optimized to handle current and continually evolving datacenter requirements. Running your SAP environment on this highly-performant and adaptable infrastructure means

- Your development, test, training, and production environments are less costly and more productive than within a purely physical infrastructure.

- VMware reporting features give you live system utilization data on the entire landscape so you can make better decisions about resource optimization and service levels for test, development, Q&A, training and production environments.

- You can increase the availability of SAP applications with technologies such as VMware® VMotion™ and VMware® High Availability

- Latest-generation Quad-Core Intel Xeon processor-based servers give you more headroom for virtualization with up to 100 percent more performance over previous generation Dual-Core Intel Xeon processor-based servers.

- You can confidently consolidate more applications, proactively protect data, and improve security through Intel's advanced redundancy and error-checking features.

- VMware Infrastructure 3 combined with Intel's multi-core processor technology brings significant computing power and performance to virtualized environments without increasing footprint or power demands. You even reduce your overall power consumption by consolidating applications onto fewer physical machines.

- You benefit from the performance advantages of running VMware solutions on Quad-Core and Dual-Core Intel® Xeon® Processor-based servers. The additional cores enable new usage models such as dedicated processing resources for intrusion detection, security, system monitoring and management.

- You are ready for 64-bit processing, with the flexibility to support larger data sets and both 64- and 32-bit applications.

Jet Fuel for Enterprise Service-Oriented Architecture

•Smart businesses make smart decisions. And smart businesses are moving toward enterprise service-oriented architecture (enterprise SOA), an environment that facilitates business agility while leveraging existing resources. The common vision held by Intel, SAP, and VMware of enterprise SOA—SAP's blue-print for a service-oriented enterprise—moves IT architectures step-by-step to dramatically higher levels of adaptability and helps companies move closer to the vision of the real-time enterprise.

The transformation to enterprise SOA is a shift from isolated "stovepipe applications" to a baseline business platform that exposes core business objects and services to the application on the top. This baseline platform requires well-established middleware, such as SAP NetWeaver, that will allow faster addition of enterprise-specific services. SAP NetWeaver is opti-mized for Intel server platforms, creating an agile framework for deploying enterprise SOA. Intel and SAP will continue to optimize hardware and software capabilities into an integrated, open platform on which developers can build and deploy enterprise services.

When the SOA architecture is deployed in VMware Infrastructure, the underlying compute resources of the company become a set of services that can be called on, just like any other service, dynamically aligning infrastruc-ture resources with application requirements and amplifying the benefits of the SOA for the organization. The job to be deployed or completed is submitted to the SOA manage-ment infrastructure and it, along with the virtual infrastructure, does the job of allocating the necessary resources. This kind of unctionality is one of the main goals of moving to enterprise service-oriented architectures.

Helping SMEs Operate Like Fortune1000 Companies

To stay competitive, small and midsize enterprises (SMEs) often need to be even more adept than large businesses at operat-ing productively and efficiently while controlling costs.

The processing power and hardware-enhanced security of Quad-Core Intel® Xeon® processor-based server solutions help SMEs operate more efficiently and with fewer business inter-ruptions. When this latest server technology is combined with advanced software such as SAP solutions, SMEs can increase profit margins and streamline processes—but to meet the demands of SMEs, business software must also be inexpensive to implement, easy to use, and extremely reliable.

Quad-Core Intel® Xeon® processor-based systems combined with VMware Infrastructure provide mainframe-like uptime through Intel's advanced server reliability features and the VMware High Availability feature, making this joint solution the foundation of an IT infrastructure that small and midsize

enterprises can depend on to keep them up and running. Virtualization also reduces the complexity of deploying and managing multi-tier applications such as SAP® Business One or SAP® All-in-One packages, leaving even small IT teams with more time to respond to the changing requirements of their business.

The Power of Three

The challenges of being a best-run business in an increasingly competitive world are enormous. You need to find competi-tive advantages at every turn. Take advantage of the combined experience of the industry's best. Put the power of Intel, SAP, and VMware to work for you.

Virtualization Advantages of VMware on Intel

Drive Business Responsiveness

Reduce Costs

Achieve Business Continuity

Deliver Better Software Support

Implement IT Consolidation

Advantages of Virtualizing SAP on VMware

Align SAP resources with business priorities

Increase availability of all environments at lower cost

Decrease SAP datacenter costs for space, en-ergy, cooling, hardware, and labor

Upgrade safely to latest SAP solutions

Quickly deploy new SAP solutions

Increase SAP datacenter utilization, flexibility, availability, and agility

Increase software quality at lower cost for your own SAP development

Increase uptime during planned maintenance

Simplify transition to 64-bit software

Realize immediate ROI