Intel IT Center

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Vendor Spotlight

Oracle Virtualization: Your Stepping Stone to Cloud Deployment

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Monica Kumar, senior director of product marketing for Oracle, discusses how Oracle's application-driven virtualization solutions based on the Intel® Xeon® processor E5 family go beyond server consolidation to help IT deliver in the cloud.

Data centers are evolving into service centers that respond to changing user requirements with speed and agility and deliver business applications on demand 24-7. Cloud computing continues to be a priority, and service levels are becoming more stringent—pushing IT managers to find better ways to integrate, provision, deploy, and manage complete solutions at a faster rate and without straining the budget. Virtualization is a key data center technology for optimizing resources and keeping costs down and a stepping stone to cloud deployment.

Oracle's unique approach to virtualization not only consolidates IT resources, it also enables IT to deliver on-demand services rapidly and efficiently in a cloud environment.

Oracle* VM Server Virtualization

As IT needs continue to grow, virtualization technologies have had to keep pace, going beyond server consolidation to facilitating more speed and agility in the deployment of complete solutions. This application-driven virtualization philosophy is the cornerstone of Oracle's virtualization offering: Oracle* VM.

Oracle VM is designed to virtualize business-critical database and application workloads—for both packaged and custom-built applications. It supports up to 128 virtual CPUs (vCPUs) per guest virtual machine and can support up to 2 terabytes of physical memory per host. This architecture enables Oracle VM to deliver large enterprise application workloads with higher efficiency and low overhead. With over 90 prebuilt application templates for Oracle applications, middleware, and databases, enterprise software can be deployed in a rapid, repeatable, and error-free manner.

Oracle's unique approach to virtualization not only consolidates IT resources, it also enables IT to deliver on-demand services rapidly and efficiently in a cloud environment. Oracle VM does this by:

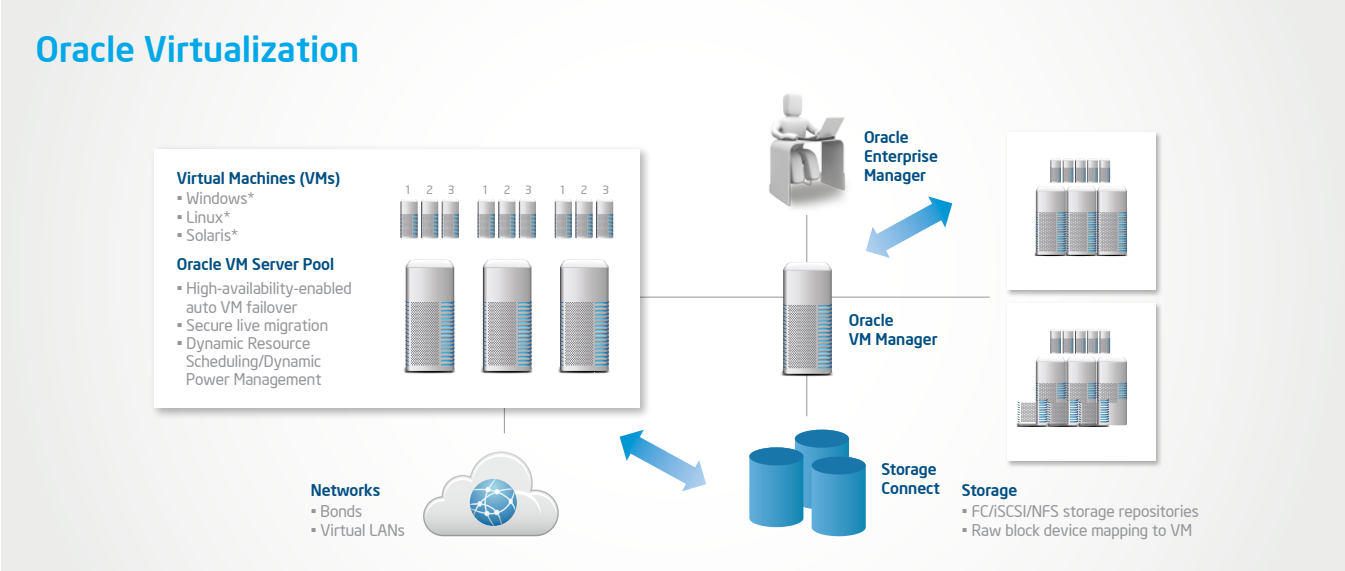
- Accelerating application deployment by using templates
- Simplifying and integrating application and hypervisor management using Oracle Enterprise Manager

Scalable Virtualization with the Intel Xeon Processor E5 Family

The Oracle partnership with Intel goes back many years, and our engineering teams work closely together on the delivery of new virtualization features and enhanced capabilities such as performance, security, and reliability. As a result, we have been able to quickly validate Oracle VM with the Intel® Xeon® processor E5 family.

We share a common goal—to deliver the highest-performing platform in a very scalable and reliable way. Oracle VM together with the Intel Xeon processor E5 family can deliver on this in tangible ways that boost cloud performance, reliability, and speed by:

- Consolidating servers
- Automating the rapid provisioning of the application stack inside the virtual machine
- Delivering secured and agile workloads to meet business needs
- Integrating management of the complete stack, including the virtual machine and the applications running inside it
- Reducing both capital expenses and operating costs



Faster Time to Market with the Cloud

Oracle is committed to making sure our customers can take advantage of the latest innovations in infrastructure technology. With the release of the Intel Xeon processor E5 family, Oracle can offer advanced virtualization solutions that support and deliver greater performance, reliability, and speed in the cloud and faster time to market for our customers.

For more information about Oracle VM, go to oracle.com/virtualization.

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