

Maximize Value from IT Assets: No-Cost Virtualization and Consolidation from Oracle

Oracle's x86 systems integrates networking, virtualization and management, redefining what's possible in your datacenter.

Enterprise Ready for Fast ROI

Comprehensive portfolio of enterprise-ready products based on open industry standards

- Increase system utilization to as much as 90% with Oracle virtualization technologies at no extra cost
- Reduce space requirements by up to 20:1 with fewer, more powerful Oracle servers for improved capacity and response times
- Decrease power consumption by up to 92% by consolidating and virtualizing applications onto a reduced number of more power-efficient Oracle servers
- Take advantage of built-in features that streamline operations and improve service delivery

For many organizations, the datacenter can be a cost-center rather than an asset. Complex IT infrastructures and sprawling server footprints drive up administration costs. Space and power limitations make expansion difficult. Rising energy costs and shrinking IT budgets mean that meeting growing demand can be a tough challenge.

As much as new generation system efficiencies are affecting the next generation data center, virtualization is quite literally a game changing technology that is already delivering increase speed in application deployment, simplified testing and certification that can rapidly respond to real-world demands while revolutionizes capacity planning and purchasing. It drives much greater server utilization and energy efficiency.

Oracle's comprehensive virtualization portfolio enables enterprise consolidation at no additional cost. By consolidating applications on fewer, more powerful and more efficient servers, Oracle's virtualization capabilities allow you to maximize the value of IT assets, reduce costs, and increase efficiency – while providing the flexibility to meet changing business needs.

Performance and Scale for Virtualization

To succeed in virtualizing applications, the deployed systems must provide outstanding performance, leading virtualization, better manageability and superior RAS. The combination of ultra-dense blade and rackmount servers with advanced virtualization capabilities and revolutionary management tools allows you to boost application and system performance at the same time you reduce costs and complexity, so you can do more with fewer resources.

The Sun Blade systems deliver the elastic processing power needed for highly virtualized environments. Sun Blade systems accommodate both SPARC and x86 architectures as well as storage in the same chassis, making it an ideal strategy for consolidating the widest variety of applications in a single blade chassis.

Our comprehensive portfolio of x86 rack mount servers includes the industry's leading compact and expandable enterprise-class, four-socket, x86-based server, delivering best-in-class performance, expandability, density, and power efficiency in a 3RU. For larger requirements, we offer an 8-socket server with leading performance, outstanding scalability, and unmatched RAS in the x86 market.

Designed and Engineered to Work Together

Oracle's Sun x86 clustered systems are designed and engineered to work together for maximum performance with minimum management. All x86 servers your choice of [Oracle Linux](#) or [Oracle Solaris](#) operating systems and [Oracle VM](#) preinstalled and pre-tested, decreasing virtualization deployment times by as much as 98 percent. Oracle's SPARC blades support Oracle Solaris operating systems and Oracle VM.

The Sun x86 systems based on the new Intel Xeon processors 5600 and 7500 series hold numerous [world record](#) performance benchmarks, and use integrated Flash memory to accelerate the most demanding, data-centric applications. Oracle's unique blade networking products allow for both chassis-wide as well as blade-specific I/O that can be hot-swapped without application downtime. This unique individual blade I/O capability allows the greatest flexibility in consolidating different applications with diverse I/O requirements in a single chassis.

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[Oracle Enterprise Manager Ops Center 11g](#) provides the management layer for the entire stack, so there is a single tool to manage. Oracle Enterprise Manager Ops Center 11g introduces converged hardware management – a new approach to managing Oracle hardware investments focused on delivering simplicity and efficiency across the management tasks for all infrastructure assets. With Oracle Enterprise Manager Ops Center 11g, you provision new systems as much as 50%t faster, update systems as much as 90%t faster, and reduce downtime by as much as 75%.

Advanced Networking for Ultimate Performance

The same [networking fabric](#) used in [Oracle Exadata Database Machine](#) and [Oracle Exalogic Elastic Cloud](#) is now available to create customized, highly-virtualized environments, providing integration with application infrastructure with high bandwidth, predictable latency and industry standard interface across rackmount, blades and storage. Oracle's network fabric can lower acquisition and power costs, up to 71% less network elements to buy and manage, and up to 74% better performance

Performance and value redefined

- Preinstalled and tested virtualization technologies at no additional cost
- Eliminate the need for network administration skills in blade solutions with zero-management blade networking and in-silicon network virtualization.
- Oracle Linux is up to 75% faster than the Red Hat Enterprise kernel with Enterprise quality support at up to 86% less cost.
- Provision new systems up to 50% faster, and update existing systems up to 90% faster with Oracle Enterprise Manager Ops Center 11g.

Enterprise Operating System Choice, Converged Management

[Oracle Linux](#) combined with Oracle's [Unbreakable Enterprise Kernel](#) brings the latest Linux innovations to market, delivering extreme performance, advanced scalability, and reliability with enterprise quality, low-cost support. Or chose the innovative, built-in features of [Oracle Solaris](#) that deliver breakthrough virtualization and utilization, high availability, advanced security, and industry leading performance making it an ideal operating system for use on x86 hardware.

Redefine What's Possible in Your Datacenter Refresh

So change the game in your datacenter. Don't just refresh your servers, transform your infrastructure with Oracle's Sun x86 solutions that reduce costs, increase performance, and simplify management.

LEARN MORE

www.oracle.com/goto/x86

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