



THINKSERVER OPERATING SYSTEMS. TESTED, CERTIFIED AND SUPPORTED.

Certification establishes a relationship between Lenovo® and leading vendors of operating systems that are selected for installation into ThinkServer™ systems. Through certification, ThinkServer systems are tested with a defined code distribution to ensure that all basic functions work. Certification is part of Lenovo's commitment to providing customers with the information necessary to utilize particular operating systems.

 www.lenovo.com/thinkserver

The operating systems of four major code distributors have been identified for certification on ThinkServer systems:

- MICROSOFT®
- NOVELL®
- RED HAT®
- VMWARE®

Each recognizes Lenovo ThinkServer as a compatible and supported platform for its software.

THROUGH CERTIFICATION, LENOVO IS ABLE TO:

- Test leading vendors' products for compatibility with ThinkServer systems
- Improve ease of installation
- Help reduce total cost of ownership

Certified vendors agree to work closely with Lenovo's engineers during product test cycles and over product lifecycles. Lenovo is committed to resolving problems before they have the opportunity to materialize and ultimately affect you.

As part of certification, a set of solution building blocks—specific devices and applications—are tested in one or more operating system environments. This allows customers to build a complete server solution. The following compatibility testing by Lenovo and its participating vendors can help reduce the total cost of ownership by cutting down installation and setup time:

- **Discovery testing** – The tested platform is analyzed for any compatibility issues with the tested distribution and a determination is made on the steps necessary for each tested distribution to fully function on the tested platform.
- **Certification testing** – Industry-standard testing is performed for the tested components of the tested platform.
- **Certification reporting** – Certification results are published on the distributor or test facility web site. Workarounds and the steps necessary to get a given function to work (if it is not fully supported) are also identified.

In addition to certification, Lenovo has performed compatibility testing with various operating systems and supports running the following operating systems on Lenovo ThinkServer products.



Microsoft® Windows Server® Operating Systems for Lenovo ThinkServer systems are designed to power the next generation of networks, applications and Web services. Windows Server® 2008 is a robust operating system. With built-in, enhanced web, management and virtualization capabilities, it is designed to increase the reliability and flexibility of your server infrastructure while helping save time and reduce costs. Powerful tools give you greater control over your servers and streamline configuration and management tasks. Plus, enhanced security features work to harden the operating system to help protect your data and network and provide a solid, highly-dependable foundation for your business. With Windows Server® 2008, everything needed to support server virtualization is available as an integral feature of the operating system.

For more information, visit <http://www.windowsservercatalog.com>



Red Hat® Enterprise Linux® is a central component of Red Hat's Linux® Automation strategy, which covers all facets of the IT environment necessary to enable any application to be run anywhere, at any time. The strategy creates an infrastructure which is built for automation, including virtualization, identity management, high availability and performance capabilities. Through its certification on Lenovo ThinkServer systems, Red Hat® offers an automated test suite, support during the testing process and access to online updates while the results are being reviewed. Red Hat® Enterprise Linux® is the most flexible operating system environment available. Enterprise Linux® solutions are ideal for deployments involving standalone or "bare metal" systems, virtualized systems, cloud computing and appliances. More than 3,000 applications are certified to run on Red Hat® Enterprise Linux®.

For more information, visit <http://www.redhat.com/rhel/compatibility/hardware>

SUPPORTED OPERATING SYSTEMS ON LENOVO THINKSERVER SYSTEMS

	Microsoft®	VMware®	Novell®	Red Hat®
RS110	Windows Server® 2003 Windows Server® 2008		SUSE® Linux® Enterprise Server 10 (SP1 and SP2)	Red Hat® Enterprise Linux® 5.x
RS210	Windows Server® 2003 Windows Server® 2008 Windows Server® 2008 R2	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 11 SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x
RD210	Windows Server® 2003 Windows Server® 2008	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x
RD220	Windows Server® 2003 Windows Server® 2008	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x
TS100	Windows Server® 2003 Windows Server® 2008		SUSE® Linux® Enterprise Server 10 (SP1 and SP2)	Red Hat® Enterprise Linux® 5.x
TS200	Windows Server® 2003 Windows Server® 2008 Windows Server® 2008 R2	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 11 SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x
TD200	Windows Server® 2003 Windows Server® 2008	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x
TD200x	Windows Server® 2003 Windows Server® 2008	ESX 3.0 ESX & ESXi 3.5 ESX & ESXi 4.0	SUSE® Linux® Enterprise Server 10 (SP1 & SP2)	Red Hat® Enterprise Linux® 5.x

Device drivers for supported operating systems are available online at the Lenovo support and download site:

<http://www-307.ibm.com/pc/support/site.wss/homelenovo.do>



YES Certified™

Novell.

SUSE® Linux® Enterprise Server from Novell® for Lenovo ThinkServer systems is an enterprise-grade Linux® operating system. Novell® is Lenovo's preferred Linux® provider for ThinkServer. The Novell® certification entails a bundled offering that includes the operating system license and support in a single, easy-to-purchase solution. This complete package delivers the most-interoperable, open-source Linux® server platform for business mission-critical applications. Together, Novell® and Lenovo provide small business owners with an affordable, scalable and easy-to-use server platform. Novell® and Lenovo have partnered for years to deliver innovative and high-value solutions to their customers that many times are industry firsts.

For more information, visit <http://www.novell.com/partnerguide/index.html>



VMware® transforms or "virtualizes" the hardware resources of a Lenovo ThinkServer into software to create a fully functional virtual machine that can run its own operating system and applications just like a "real" computer. Multiple virtual machines share hardware resources without interfering with each other so that users can safely run several operating systems and applications at the same time on a single computer. Because ThinkServer systems are VMware®-ready, VMware® is responsible for auditing each test center to ensure that Lenovo is receiving quality service. In addition, VMware® is responsible for processing results and logs that are submitted by the testing center.

For more information, visit <http://www.vmware.com/resources/compatibility>

