

Windows Server 2008 – Core Product Offerings

Product	Channels	License	Running Instances in Physical and Virtual OS
Windows Server 2008 Standard	Retail, OEM, VL, SPLA	Server + CAL SPLA – Processor or SAL	1 + 1 (new change)
Windows Server 2008 Standard without Hyper-V [™]	Retail, OEM, VL, SPLA	Server + CAL SPLA – Processor or SAL	1 + 1
Windows Server 2008 Enterprise	Retail, OEM, VL, SPLA	Server + CAL SPLA – Processor or SAL	1 + 4
Windows Server 2008 Enterprise without Hyper-V	Retail, OEM, VL, SPLA	Server + CAL SPLA – Processor or SAL	1 + 4
Windows Server 2008 Datacenter	OEM, VL, SPLA	Processor + CAL	1 + unlimited
Windows Server 2008 Datacenter without Hyper-V	OEM, VL, SPLA	Processor + CAL	1 + unlimited
Windows Server 2008 For Itanium [™] -Based Systems	OEM, VL	Processor + CAL	1 + unlimited
Windows Server 2008 External Connector	VL	External Connector	
Windows [®] Web Server 2008	Retail, OEM, VL, SPLA	Server license	1 or 1
Windows Server 2008 CAL	Retail, OEM, VL, SPLA	VL – CAL SPLA – Windows Standard or Enterprise SAL	
Windows Server 2008 Terminal Services CAL	Retail, OEM, VL, SPLA, ISVR	VL – TS CAL SPLA – TS SAL	
Windows Server 2008 Terminal Services External Connector	VL	External Connector	
Windows Server 2008 Rights Management Services CAL	VL, SPLA	VL – RMS CAL SPLA – RMS SAL	
Windows Server 2008 Rights Management Services External Connector	VL	External Connector	

License Terms – 2008 Notables

Impacted Products	Change	Explanation
Windows Server 2008 Standard	Running Instances now allow 1 + 1 (was 1 in physical OS or 1 in virtual OS).	Want to further enable use of virtual instance with running instance in the physical OS.
Standard, Enterprise, and Datacenter	<ul style="list-style-type: none"> Offering optional editions built without Microsoft Hyper-V hypervisor technology. Same license terms as their regular counterparts. Priced slightly lower than their regular counterparts. 	Provide customers the choice of deploying Windows Server 2008 without the Hyper-V technology. Customers will need to separately license the hypervisor technology, whether it is Microsoft Hyper-V, Microsoft Virtual Server R2, or a third-party hypervisor technology.
Windows Web Server 2008	<ul style="list-style-type: none"> Use only for front-end Web serving internet-facing Web pages, Web sites, Web applications, Web services, and POP3 mail serving. Now can run any type of database software on the software with no limit on the number of users. 	<ul style="list-style-type: none"> Provide customers with more flexibility in deploying web-facing solutions. Overcome some of the limitations that were present in Windows Server[®] 2003 Web Edition.
New Windows Server 2008 for Itanium-Based Systems SKU	<ul style="list-style-type: none"> Same license terms as Datacenter. Only supports databases, line of business and custom applications. All services and functions not required to support these 3 target workloads are removed. Same price as Datacenter. 	Designed to be the leading alternative platform for RISC-based UNIX servers. Intended for scale-up database workloads and custom and line-of-business applications. This workload focus is consistent with the majority of current deployments of Windows Server Itanium.

LICENSING RULES: Every running instance of the server software may only run on an already licensed server. Every user or device that directly or indirectly accesses or uses instances of the Windows Server 2008 server software requires the purchase of a Windows Server 2008 Client Access License (Windows Server CAL) . A Terminal Services 2008 CAL is required, in addition to a Windows Server 2008 CAL, to use the Terminal Services functionality of the server software. Similarly, a Rights Management Services (RMS) 2008 CAL is required, in addition to a Windows Server 2008 CAL, to use the Rights Management Services functionality of the server software. An External Connector license can be acquired for external users' access in lieu of individual CALs.

For more detailed information regarding Windows Server 2008 licensing and pricing please visit:

External: <http://www.microsoft.com/windowsserver2008>

Internal: http://2008launchwave/pages/licensing_ws08.aspx

Comparison by Server Role

Server Role	Enterprise	Datacenter	Standard	Itanium	Web
WebServices (IIS)	●	●	●	●	●
Application Server	●	●	●	●	○
Print Services	●	●	●	○	○
Windows Server Hyper-V*	●	●	●	○	○
Active Directory Domain Services	●	●	●	○	○
Active Directory Lightweight Directory Services	●	●	●	○	○
Active Directory Rights Management Services	●	●	●	○	○
DHCP Server	●	●	●	○	○
DNS Server	●	●	●	○	○
Fax Server	●	●	●	○	○
UDDI Services	●	●	●	○	○
Windows Deployment Services	●	●	●	○	○
Active Directory Certificate Services ¹	●	●	○	○	○
File Services ²	●	●	○	○	○
Network Policy and Access Services ³	●	●	○	○	○
Terminal Services ⁴	●	●	○	○	○
Active Directory Federation Services	●	●	○	○	○

● – Full ○ – Partial/Limited ○ – Not Available

* For customers that do not need virtualization, Windows Server 2008 Standard, Enterprise and Datacenter editions are available without Windows Server 2008 Hyper-V Technology

¹ – Limited to creating Certificate Authorities – no other AD FS features (NDES, Online Responder Service). See AD CS role documentation on TechNet for more information

² – Limited to 1 standalone DFS root

³ – Limited to 250 RRAS connections, 50 IAS connections and 2 IAS Server Groups

⁴ – Limited to 250 Terminal Services Gateway connections

Windows Web Server 2008

- Single purpose Web server software
- Only for deploying Web pages, Web applications, Web services, Web sites, and POP3 mail serving
- Server license only; and no CALs required
- Now allows any type of database on the server with no limit on the number of supported users
- Must be front-end server and Internet-accessible

Windows Server 2008 for Itanium-Based Systems

- Targeted for specific workloads; line of business applications, custom applications, and scale-up database workloads
- Same license terms as Datacenter
- Same price as Datacenter

Windows Server 2008 Datacenter for Itanium-Based Systems

You may move as many virtual instances of Windows Server software to a server running Windows Server 2008 Datacenter or Windows Server 2008 for Itanium-Based Systems and not have to be concerned about the number of running virtual instances. For Volume License customers, the actual license may also be reassigned to another server every 90 days.

Windows Server 2008 Enterprise

You may run one instance of the server software in the POSE and up to four instances of the server software in VOSEs. When running all five instances, the instance of the server software running in the POSE may only be used to manage and service the operating system environments on the server. You may move instances of the server software to a server that is already properly licensed to support such added instance(s).

Windows Server 2008 Standard

You may run one instance of the server software in the physical operating system environment (POSE) and one instance of the server software in a virtual operating system environment (VOSE) When running both instances, the instance of the server software running in the POSE may only be used to manage and service the operating system environments on the server. You may move instances of the server software to a server that is already properly licensed to support such added instance(s).

