# ELIGIBLE VIRTUALIZATION TECHNOLOGY & ELIGIBLE OPERATING SYSTEM TECHNOLOGY

http://www-01.ibm.com/software/lotus/passportadvantage/subcaplicensing.html
Last updated on April 7, 2009

| Server Vendor (Processor 1) | Eligible Virtualization Technology | Eligible Operating System | Sub-capacity eligible from (2) | Supporting ILMT Version/ Release (3) |
|---|---|---|---|---|
| IBM Power Systems - System p & i | LPAR | AIX 6.1<br>Red Hat Enterprise Linux 5.0 | Nov 2007 | 7.1 |
| | | i6.1 (i5/OS V6R1) | March 2008 | Future support intended (7) |
| | | AIX 5.2<br>AIX 5.3<br>i5/OS V5R2<br>i5/OS V5R3<br>i5/OS V5R4<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0 | April 2005 | 7.1 |
| | | Red Hat Enterprise Linux 3.0 | April 2005 - Jul 1 2008 (8) | Not supported |
| | | AIX 5.1 | April 2005 - Nov 2007 (8) | Not supported |
| | PowerVM - DLPAR | AIX 6.1<br>Red Hat Enterprise Linux 5.0 | Nov 2007 | 7.1 |
| | | i6.1 (i5/OS V6R1) | March 2008 | Future support intended (7) |
| | | AIX 5.2<br>AIX 5.3<br>i5/OS V5R2<br>i5/OS V5R3<br>i5/OS V5R4<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0 | April 2005 | 7.1 |
| | | Red Hat Enterprise Linux 3.0 | April 2005 - Jul 1 2008 (8) | Not supported |
| | PowerVM - Single Shared Processor Pool - Micro-Partitioning | AIX 6.1<br>Red Hat Enterprise Linux 5.0 | Nov 2007 | 7.1 |
| | | i6.1 (i5/OS V6R1) | March 2008 | Future support intended (7) |
| | | AIX 5.2<br>AIX 5.3<br>i5/OS V5R2<br>i5/OS V5R3<br>i5/OS V5R4<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0 | April 2005 | 7.1 |
| | | Red Hat Enterprise Linux 3.0 | April 2005 - Jul 1 2008 (8) | Not supported |
| | PowerVM - Multiple Shared Processor Pools | AIX 6.1<br>AIX 5.3 | July 2008 | 7.1 |
| | | i6.1 (i5/OS V6R1)<br>i5/OS V5R4 | July 2008 | Future support intended (7) |
| | PowerVM - Shared Dedicated Processor | AIX 6.1<br>AIX 5.3<br>i5/OS V5R4<br>i6.1 (i5/OS V6R1) | Future eligibility intended (4) | Future support intended |
| | PowerVM - Mobility (Live Partition Mobility) | AIX 6.1<br>AIX 5.3<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0<br>Red Hat Enterprise Linux 5.0 | Future eligibility intended (4) | Future support intended |
| | - AIX Workload Partition (System WPAR)<br>- Mobility (AIX Live Application Mobility) | AIX 6.1 | Future eligibility intended (4) | Future support intended |
| IBM System z (IFL or CP engine) | LPAR | SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0 | April 2005 | 7.1 |
| | | Red Hat Enterprise Linux 5.0 | Nov 2007 | 7.1 |
| | | Red Hat Enterprise Linux 3.0 | April 2005 - Jul 1 2008 (8) | Not supported |
| | z/VM | SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0 | April 2005 | 7.1 |
| | | Red Hat Enterprise Linux 5.0 | Nov 2007 | 7.1 |
| | | Red Hat Enterprise Linux 3.0 | April 2005 - Jul 1 2008 (8) | Not supported |

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| Server Vendor (Processor 1) | Eligible Virtualization Technology | Eligible Operating System | Sub-capacity eligible from (2) | Supporting ILMT Version/ Release (3) |
|---|---|---|---|---|
| Sun Microsystems (UltraSPARC) | Dynamic System Domains (9) | Solaris 8<br>Solaris 9<br>Solaris 10 | April 2005 | 7.1 |
| | Dynamic Domains | Solaris 10 | Not eligible | Not supported |
| | Logical Domains | Solaris 10 | Not eligible | Not supported |
| | Containers/Zones<br>- inside Dynamic System Domains (9)<br>- node OS | Solaris 10 | Aprl 2006 | 7.1 |
| | Containers/Zones<br>- inside Dynamic Domains<br>- inside Logical Domains | Solaris 10 | Not eligible | Not supported |
| Fujitsu (SPARC) | Dynamic System Domains (9) | Solaris 10 | Nov 2007 | 7.1 |
| | Dynamic Domains | Solaris 10 | Not eligible | Not supported |
| | Containers/Zones<br>- inside Dynamic System Domains (9)<br>- node OS | Solaris 10 | Nov 2007 | 7.1 |
| | Containers/Zones<br>- inside Dynamic Domains | Solaris 10 | Not eligible | Not supported |
| HP (PA-RISC) | nPar& vPar | HP-UX 11i v2 | April 2005 | 7.1 |
| | | HP-UX 11i v3 | Nov 2007 | 7.1 |
| | Secure Resource Partitions | HP-UX 11i v2<br>HP-UX 11i v3 | Not eligible | Not supported |
| HP (Itanium) | nPar & vPar | HP-UX 11i v2 | April 2005 | 7.1 |
| | | HP-UX 11i v3 | Nov 2007 | 7.1 |
| | Integrity VM<br>(on HP-UX 11i v2) | HP-UX 11i v2<br>HP-UX 11i v3 | Nov 2007 | 7.1 |
| | Integrity VM<br>(on HP-UX 11i v3) | HP-UX 11i v2<br>HP-UX 11i v3 | Not eligible | Not supported |
| | Secure Resource Partitions | HP-UX 11i v2<br>HP-UX 11i v3 | Not eligible | Not supported |
| Intel/AMD (x86) | Citrix XenServer 5.0<br>- Single Server<br>- Resource pool (5) (a group of servers managed by XenCenter 5.0)<br>- Mobility (XenMotion) (6) | Windows 2000 Server<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows Server 2003 Datacenter<br>Windows Server 2008 Standard<br>Windows Server 2008 Enterprise<br>Windows Server 2008 Datacenter<br>Windows Vista Enterprise<br>Windows XP Professional<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4<br>Red Hat Enterprise Linux 5 | April 7, 2009 | Future support intended (7) |
| | Citrix XenServer 4.1<br>- Single Server<br>- Resource pool (5) (a group of servers managed by XenCenter 5.0)<br>- Mobility (XenMotion) (6) | Windows 2000 Server<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows Server 2003 Datacenter<br>Windows Vista Enterprise<br>Windows XP Professional<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4<br>Red Hat Enterprise Linux 5 | April 7, 2009 | Future support intended (7) |
| | Red Hat Enterprise Linux 5 (Xen)<br>- Single Server | Windows 2000 Server<br>Windows 2000 Advance Server<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows Server 2003 Datacenter<br>Windows Vista Ultimate<br>Windows Vista Enterprise<br>Windows Vista Business<br>Windows XP Professional<br>Red Hat Enterprise Linux 4<br>Red Hat Enterprise Linux 5 | April 7, 2009 | Not supported |

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| Server Vendor (Processor 1) | Eligible Virtualization Technology | Eligible Operating System | Sub-capacity eligible from (2) | Supporting ILMT Version/ Release (3) |
|---|---|---|---|---|
| Intel/AMD (x86) | Microsoft Virtual Server 2005 (on Windows Server 2003 Standard, Windows Server 2003 Enterprise, Windows XP Professional) - Single Server | Windows 2000 Server Windows 2000 Advanced Server Windows Server 2003 Standard Windows Server 2003 Enterprise Windows XP Professional SuSE SLES 9 SuSE SLES 10 Red Hat Enterprise Linux 4.0 | April 2006 | Future support intended (7) |
| | | Red Hat Enterprise Linux 3.0 | April 2006 - Jul 1 2008 (8) | Not supported |
| | | Red Hat Enterprise Linux 5.0 | July 2008 | Future support intended (7) |
| | Microsoft Virtual Server 2005 R2 | | Not eligible | Not supported |
| | Microsoft Hyper-V Server 2008, Windows Server 2008 Hyper-V - Single Server - Cluster (5) (a group of servers linked together by Microsoft Failover Clustering feature) - Mobility (Quick Migration) (6) | Windows 2000 Server Windows 2000 Advanced Server Windows Server 2003 Standard Windows Server 2003 Enterprise Windows Server 2003 Datacenter Windows Server 2008 Standard Windows Server 2008 Enterprise Windows Server 2008 Datacenter Windows XP Professional Windows Vista Ultimate Windows Vista Enterprise Windows Vista Business SuSE SLES 10 | April 7, 2009 | Future support intended (7) |
| | Microsoft Hyper-V 2008 R2 | | Not eligible | Not supported |
| | Novell SLES10 (Xen) | | Not eligible | Not supported |
| | Sun Microsystems Containers/Zones | Solaris 10 | April 2006 | Future support intended (7) |
| | VMware GSX 3.1 - Single Server | Windows 2000 Windows Server 2003 Windows XP SuSE SLES 9 SuSE SLES 10 Red Hat Enterprise Linux 3.0 | April 2006 - Jul 1 2008 (8) | Not supported |
| | VMware Server 1.0 - Single Server | Windows 2000 Server Windows 2000 Advanced Server Windows 2000 Professional Windows Server 2003 Standard Windows Server 2003 Enterprise Windows XP Professional SuSE SLES 9 SuSE SLES 10 Red Hat Enterprise Linux 4.0 | July 2008 | Future support intended (7) |
| | VMware Server 2.0 - Single Server | Windows 2000 Server Windows 2000 Advanced Server Windows 2000 Professional Windows Server 2003 Standard Windows Server 2003 Enterprise Windows XP Professional Windows Vista Business Windows Vista Ultimate SuSE SLES 9 SuSE SLES 10 Red Hat Enterprise Linux 4.0 Red Hat Enterprise Linux 5.0 | April 7, 2009 | Future support intended (7) |
| | VMware ESX 2.5 - Single Server | Windows 2000 Server Windows 2000 Advanced Server Windows 2000 Professional Windows Server 2003 Standard Windows Server 2003 Enterprise Windows XP Professional SuSE SLES 9 Red Hat Enterprise Linux 4.0 | April 2006 | Future support intended (7) |
| | | Red Hat Enterprise Linux 3.0 | April 2006 - Jul 1 2008 (8) | Not supported |
| | VMware ESX 2.5 - Server Farm (5) (a group of servers managed by VirtualCenter 2.0/2.5) - Mobility (VMware VMotion) (6) | Windows 2000 Server Windows 2000 Advanced Server Windows 2000 Professional Windows Server 2003 Standard Windows Server 2003 Enterprise Windows XP Professional SuSE SLES 9 | July 2008 | Future support intended (7) |

Red Hat Enterprise Linux 4.0

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| Server Vendor (Processor 1) | Eligible Virtualization Technology | Eligible Operating System | Sub-capacity eligible from (2) | Supporting ILMT Version/ Release (3) |
|---|---|---|---|---|
| Intel/AMD (x86) | VMware ESX 3.0<br>- Single Server<br>- Cluster (5) (a group of servers managed by VirtualCenter 2.0/2.5)<br>- Mobility (VMware VMotion) (6) | Windows 2000 Server<br>Windows 2000 Advanced Server<br>Windows 2000 Professional<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows XP Professional<br>Windows Vista Ultimate<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0<br>Red Hat Enterprise Linux 5.0 | July 2008 | Future support intended (7) |
| | | Windows Server 2003 Datacenter | April 7, 2009 | |
| | VMware ESX 3.5, ESXi 3.5<br>- Single Server<br>- Cluster (5) (a group of servers managed by VirtualCenter 2.0/2.5)<br>- Mobility (VMware VMotion) (6) | Windows 2000 Server<br>Windows 2000 Advanced Server<br>Windows 2000 Professional<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows XP Professional<br>Windows Vista Ultimate<br>Windows Vista Enterprise<br>Windows Vista Business<br>Windows Server 2008<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0<br>Red Hat Enterprise Linux 5.0 | July 2008 | Future support intended (7) |
| | | Windows Server 2003 Datacenter | April 7, 2009 | |
| | Xen 3.0 | SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4.0<br>Red Hat Enterprise Linux 5.0 | Not eligible | Not supported |
| | Operating System commands,<br>BIOS settings (10)<br>(To limit processor core capacity) | Windows 2000 Server<br>Windows 2000 Advance Server<br>Windows 2000 Professional<br>Windows Server 2003 Standard<br>Windows Server 2003 Enterprise<br>Windows Server 2003 Datacenter<br>Windows XP Professional<br>Windows Vista Ultimate<br>Windows Vista Enterprise<br>Windows Vista Business<br>Windows Server 2008<br>SuSE SLES 9<br>SuSE SLES 10<br>Red Hat Enterprise Linux 4<br>Red Hat Enterprise Linux 5 | April 7, 2009 | Future support intended (7) |

(1) Please check the eligible processor technology list for specific processors supported in the Sub-capacity offering

(2) Date from which the Virtualization technology / OS are eligible for sub-capacity licensing

(3) Indicates the earliest Version Release that supports the Virtualization technology / OS .

(4) These new virtualization technologies are Not eligible for sub-capacity licensing.  Please contact your
   IBM Software Sales Representative for further information.

(5) Cluster, Server Farm: Sub-capacity licensing available only if all the servers in the cluster or server farm are located in the same physical location

(6) Mobility: The movement of an active Partition or Virtual Machine (VM) between physical servers, where the VM or Partition is not running
   in two servers simultaneously and where the servers are located in the same physical location.

(7) Future support  is intended. Until then you must refer to and use the rules for 'Manual Calculation' of Virtualization Capacity. These rules can be found at
   http://www-01.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html

(8) Sub-capacity eligibility is not available as the Virtualization or OS is no longer supported by its manufacturer.
   You have up to 180 days to move to an Eligible Virtualization Environment.

(9) ILMT full capacity PVU values will need to be adjusted upward manually for the number of activated cores on the server

(10) Hardware environment must use SMBIOS 2.5 or higher