

ELIGIBLE VIRTUALIZATION TECHNOLOGY & ELIGIBLE OPERATING SYSTEM TECHNOLOGY

<http://www-01.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>

Upcoming changes: <https://www.ibm.com/support/pages/node/1079427>

Virtualization technologies and/or operating systems that are to be removed from next version of table are marked in orange. See *Upcoming changes* .

Revised: **March 20, 2024**

Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)		
LPAR		AIX 7.1	September 2010	9.0.0		
		AIX 7.2	October 2016	9.2.5		
		AIX 7.3	December 2021	9.2.26		
		IBM i 7.2 (18)	April 2015	9.2.5 (11)		
		IBM i 7.3	October 2016	9.2.5 (11)		
		IBM i 7.4	March 2020	9.2.19 (11)		
		IBM i 7.5	July 2022	9.2.28 (11)		
		Red Hat Enterprise Linux 6 (17)	September 2010	9.0.1.2		
		Red Hat Enterprise Linux 7 BE	September 2010	9.0.1.2		
		Red Hat Enterprise Linux 7 LE	July 2016	9.2.4		
		Red Hat Enterprise Linux 8	November 2020	9.2.21		
		Red Hat Enterprise Linux 9	April 2023	9.2.31		
		SuSe SLES 12 LE	January 2017	9.2.6		
		SuSE SLES 15 SP1	March 2020	9.2.19		
		PowerVM - DLPAR		AIX 7.1	September 2010	9.0.0
AIX 7.2	October 2016			9.2.5		
AIX 7.3	December 2021			9.2.26		
IBM i 7.2 (18)	April 2015			9.2.5 (11)		
IBM i 7.3	October 2016			9.2.5 (11)		
IBM i 7.4	March 2020			9.2.19 (11)		
IBM i 7.5	July 2022			9.2.28 (11)		
Red Hat Enterprise Linux 6 (17)	September 2010			9.0.1.3		
Red Hat Enterprise Linux 7 BE	September 2010			9.0.1.2		
Red Hat Enterprise Linux 7 LE	July 2016			9.2.4		
Red Hat Enterprise Linux 8	November 2020			9.2.21		
Red Hat Enterprise Linux 9	April 2023			9.2.31		
SuSe SLES 12 LE	January 2017			9.2.6		
SuSE SLES 15 SP1	March 2020			9.2.18		
PowerVM - Single Shared Processor Pool - Micro-Partitioning				AIX 7.1	September 2010	9.0.0
		AIX 7.2	October 2016	9.2.5		
		AIX 7.3	December 2021	9.2.26		
		IBM i 7.2 (18)	April 2015	9.2.5 (11)		
		IBM i 7.3	October 2016	9.2.5 (11)		
		IBM i 7.4	March 2020	9.2.19 (11)		
		IBM i 7.5	July 2022	9.2.28 (11)		
		Red Hat Enterprise Linux 6 (17)	September 2010	9.0.1.2		
		Red Hat Enterprise Linux 7 BE	September 2010	9.0.1.2		
		Red Hat Enterprise Linux 7 LE	July 2016	9.2.4		
		Red Hat Enterprise Linux 8	November 2020	9.2.21		
		Red Hat Enterprise Linux 9	April 2023	9.2.31		
		SuSe SLES 12 LE	January 2017	9.2.6		
		SuSE SLES 15 SP1	March 2020	9.2.18		
		PowerVM - Multiple Shared Processor Pools		AIX 7.1	September 2010	9.0.0
AIX 7.2	October 2016			9.2.5		
AIX 7.3	December 2021			9.2.26		
IBM i 7.2 (18)	April 2015			9.2.5 (11)		
IBM i 7.3	October 2016			9.2.5 (11)		
IBM i 7.4	March 2020			9.2.19 (11)		
IBM i 7.5	July 2022			9.2.28 (11)		
SuSe SLES 12 LE	January 2017			9.2.35		
SuSE SLES 15 SP1	March 2020			9.2.35		
Red Hat Enterprise Linux 7 BE	September 2010			9.0.1.2		
Red Hat Enterprise Linux 7 LE	July 2016			9.2.4		
Red Hat Enterprise Linux 8	November 2020			9.2.21		
Red Hat Enterprise Linux 9	April 2023			9.2.31		
PowerVM - Shared Dedicated Processor				AIX 7.1	September 2010	9.0.0
				AIX 7.2	October 2016	9.2.5
		AIX 7.3	December 2021	9.2.26		
		IBM i 7.2 (18)	April 2015	9.2.5 (11)		
		IBM i 7.3	October 2016	9.2.5 (11)		
		IBM i 7.4	March 2020	9.2.19 (11)		
		IBM i 7.5	July 2022	9.2.28 (11)		
		PowerVM - Mobility (Live Partition Mobility) (13)		AIX 7.1	September 2010	9.0.0
				AIX 7.2	October 2016	9.2.5
				AIX 7.3	December 2021	9.2.26
				IBM i 7.2 (18)	April 2015	9.2.5 (11)
				IBM i 7.3	October 2016	9.2.5 (11)
				IBM i 7.4	March 2020	9.2.19 (11)
				IBM i 7.5	July 2022	9.2.28 (11)
				Red Hat Enterprise Linux 6 (17)	September 2010	9.0.1.2
Red Hat Enterprise Linux 7 BE	September 2010			9.0.1.2		
Red Hat Enterprise Linux 7 LE	July 2016			9.2.4		
Red Hat Enterprise Linux 8	November 2020			9.2.21		
Red Hat Enterprise Linux 9	April 2023			9.2.31		
SuSe SLES 12 LE	January 2017			9.2.6		
SuSE SLES 15 SP1	March 2020			9.2.18		
Nutanix AHV (managed by PRISM) 5.10+				Red Hat Enterprise Linux 7 LE	October 2019	9.2.17
		SuSe SLES 12 LE	October 2019	Not supported (5)		
		SuSE SLES 15	October 2019	Not supported (5)		
PowerVM - AIX Workload Partition (System WPARs that are unregulated, or regulated with hard maximum limit) - Mobility (AIX Live Application Mobility)		AIX 7.1	September 2010	9.0.0		
		AIX 7.2	October 2016	9.2.5		
		AIX 7.3	December 2021	9.2.26		
Power Enterprise Pools		AIX 7.1	October 2013	9.0.0		
		AIX 7.2	October 2016	9.2.5		
		AIX 7.3	December 2021	9.2.26		
		Red Hat Enterprise Linux 6 (17)	October 2013	9.0.0		
		Red Hat Enterprise Linux 7 BE	October 2013	9.0.0		
		Red Hat Enterprise Linux 7 LE	July 2016	9.2.4		
		Red Hat Enterprise Linux 8	November 2020	9.2.21		
		Red Hat Enterprise Linux 9	April 2023	9.2.31		
		SuSe SLES 12 LE	January 2017	9.2.6		
		SuSE SLES 15 SP1	March 2020	9.2.18		

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Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)	
	Processor deconfiguration (9)	AIX 7.1	May 2011	9.0.0	
		AIX 7.2	October 2016	9.2.5	
		AIX 7.3	December 2021	9.2.26	
		IBM i 7.2 (18)	April 2015	9.2.5 (11)	
		IBM i 7.3	October 2016	9.2.5 (11)	
		IBM i 7.4	March 2020	9.2.19 (11)	
		IBM i 7.5	July 2022	9.2.28 (11)	
		Red Hat Enterprise Linux 6 (17)	May 2011	9.0.1.2	
		Red Hat Enterprise Linux 7 BE	May 2011	9.0.1.2	
		Red Hat Enterprise Linux 7 LE	July 2016	9.2.4	
		Red Hat Enterprise Linux 8	November 2020	9.2.21	
		Red Hat Enterprise Linux 9	April 2023	9.2.31	
		SuSE SLES 12 LE	January 2017	9.2.6	
		SuSE SLES 15 SP1	March 2020	9.2.18	
	IBM i Workload Groups (10)	IBM i 7.2 (18)	April 2015	9.2.5 (11)	
		IBM i 7.3	October 2016	9.2.5 (11)	
		IBM i 7.4	March 2020	9.2.19 (11)	
		IBM i 7.5	March 2020	9.2.28 (11)	
	IBM System z (IFL or CP engine)	LPAR	Red Hat Enterprise Linux 6 (17)	September 2010	9.0.0
			Red Hat Enterprise Linux 7	April 2016	9.2.3
Red Hat Enterprise Linux 8			December 2020	9.2.21	
Red Hat Enterprise Linux 9			April 2023	9.2.31	
SuSE SLES 12			April 2016	9.2.3	
z/VM		SuSE SLES 15 SP1	January 2020	9.2.18	
		Red Hat Enterprise Linux 6 (17)	September 2010	9.0.0	
		Red Hat Enterprise Linux 7	April 2016	9.2.3	
		Red Hat Enterprise Linux 8	December 2020	9.2.21	
		Red Hat Enterprise Linux 9	April 2023	9.2.31	
		SuSE SLES 12	April 2016	9.2.3	
z/VM with CPU Capping (Capacity CPU)		SuSE SLES 15 SP1	January 2020	9.2.18	
		Ubuntu 20	April 2022	9.2.27	
		Ubuntu 22	October 2022	9.2.29	
		Red Hat Enterprise Linux 6 (17)	September 2014	9.0.1.1	
		Red Hat Enterprise Linux 7	September 2014	9.2.3	
		Red Hat Enterprise Linux 8	December 2020	9.2.21	
		Red Hat Enterprise Linux 9	April 2023	9.2.31	
LPAR Group Capping		SuSE SLES 12	April 2016	9.2.3	
		SuSE SLES 15 SP1	January 2020	9.2.18	
		Red Hat Enterprise Linux 6 (17)	October 2016	9.2.5	
		Red Hat Enterprise Linux 7	October 2016	9.2.5	
		Red Hat Enterprise Linux 8	December 2020	9.2.21	
KVM for IBM z Systems		Red Hat Enterprise Linux 9	April 2023	9.2.31	
		SuSE SLES 12 SP1	October 2016	9.2.5	
IBM System z (zIIP or CP engine)		IBM z/OS Container Extensions (IBM zCX)	Ubuntu 20	April 2022	9.2.27
		IBM z/OS Container Extensions (IBM zCX)		January 2020	9.2.18
Oracle (UltraSPARC and SPARC) and Fujitsu (SPARC)		Dynamic Domains (7)	Solaris 11	July 2012	9.0.0
	Oracle VM Server for SPARC 3.x (Native CPU Architecture Type)	Solaris 11	November 2014	9.0.1.2	
	Containers/Zones - inside node OS	Solaris 11	July 2012	9.0.0	
	Containers/Zones (with Resource Pools) - inside Dynamic Domains (7)	Solaris 11	July 2012	9.0.0	
	Containers/Zones - inside Oracle VM Server for SPARC 3.x (Native CPU Architecture Type)	Solaris 11	November 2013	9.0.1.1	
KVM hypervisor on * Red Hat Enterprise Linux 6 * Red Hat Enterprise Linux 7 * Red Hat Enterprise Linux 8 * Red Hat Enterprise Linux 9 * Red Hat Virtualization Hypervisor managed by Red Hat Virtualization Manager/Red Hat Virtualization 4.x (15)	Red Hat Enterprise Linux 6 (17)	October 2012	9.0.0		
	Red Hat Enterprise Linux 7	October 2012	9.0.0		
	Red Hat Enterprise Linux 8	October 2019	9.2.17		
	Red Hat Enterprise Linux 9	July 2022	9.2.28		
	SuSE SLES 12	April 2017	9.2.1		
	SuSE SLES 15	January 2020	9.2.18		
	Windows 10	April 2017	9.2.1		
	Windows 11 Professional	December 2021	9.2.26		
	Windows 11 Enterprise	December 2021	9.2.26		
	Windows Server 2012 Datacenter (19)	April 2017	9.0.0		
	Windows Server 2012 Standard (19)	April 2017	9.0.0		
	Windows Server 2012R2 Datacenter (19)	April 2017	9.0.0		
	Windows Server 2012R2 Standard (19)	April 2017	9.0.0		
	Windows Server 2016 Datacenter	January 2017	9.2.6		
	Windows Server 2016 Standard	January 2017	9.2.6		
	Windows Server 2019 Datacenter	April 2019	9.2.15		
	Windows Server 2019 Standard	April 2019	9.2.15		
	Windows Server 2019 Essentials	April 2019	9.2.15		
	Windows Server 2022 Standard	December 2021	9.2.26		
	Windows Server 2022 Datacenter	December 2021	9.2.26		
	KVM hypervisor on * Oracle Linux 7 * Oracle Linux 8 * Oracle Linux 9 managed by Oracle Linux Virtualization Manager 4.x (16)	CentOS 7	April 2016	9.2.4	
		CentOS 8	December 2020	9.2.18	
		Oracle Linux 7	October 2012	9.2.5	
		Oracle Linux 8	December 2020	9.2.18	
		Oracle Linux 9	January 2023	9.2.30	
		Red Hat Enterprise Linux 6 (17)	June 2015	9.2.0.5	
		Red Hat Enterprise Linux 7	June 2015	9.2.0.6	
		Red Hat Enterprise Linux 8	October 2019	9.2.17	
		Red Hat Enterprise Linux 9	July 2022	9.2.28	
		SuSE SLES 12	January 2016	9.2.1	
	SuSE SLES 15	October 2019	9.2.16		
	Ubuntu 20	December 2020	9.2.20		
Ubuntu 22	July 2022	9.2.28			

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		Windows 10	October 2015	9.2.1
		Windows 11 Professional	December 2021	9.2.26
		Windows 11 Enterprise	December 2021	9.2.26
		Windows Server 2012 Datacenter (19)	June 2015	9.2.0.14
		Windows Server 2012 Standard (19)	June 2015	9.2.0.14
		Windows Server 2012R2 Datacenter (19)	April 2017	9.0.0
		Windows Server 2012R2 Standard (19)	April 2017	9.0.0
		Windows Server 2016 Datacenter	January 2017	9.2.6
		Windows Server 2016 Standard	January 2017	9.2.6
		Windows Server 2019 Datacenter	April 2019	9.2.15
		Windows Server 2019 Standard	April 2019	9.2.15
		Windows Server 2019 Essentials	April 2019	9.2.15
		Windows Server 2022 Standard	December 2021	9.2.26
		Windows Server 2022 Datacenter	December 2021	9.2.26
	KVM hypervisor on x86 platform	CentOS 7	April 2016	9.2.4
		CentOS 8	December 2020	9.2.18
	a) KVM standalone host only - not managed by virtualization manager	CentOS Stream 9	January 2023	9.2.30
	For KVM host managed by RedHat Virtualization Manager (RHV-M) see section above	Debian 10	January 2020	9.2.18
		Debian 11	October 2021	9.2.25
	For KVM host managed by Oracle Linux Virtualization Manager (OLVM) see section above	Debian 12	January 2024	9.2.34
		Oracle Linux 7	October 2012	9.2.5
		Oracle Linux 8	December 2020	9.2.18
		Oracle Linux 9	January 2023	9.2.30
	b) Only supported RedHat, Centos, Debian, Oracle Linux, SuSE SLES or Ubuntu releases can be configured as KVM host	Red Hat Enterprise Linux 6 (17)	June 2015	9.2.0.5
		Red Hat Enterprise Linux 7	June 2015	9.2.0.6
		Red Hat Enterprise Linux 8	October 2019	9.2.17
		Red Hat Enterprise Linux 9	July 2022	9.2.28
	c) You can use only vendor supported KVM-host-OS KVM-guest-OS combinations.	SuSE SLES 12	January 2016	9.2.1
		SuSE SLES 15	October 2019	9.2.16
		Ubuntu 20	December 2020	9.2.20
		Ubuntu 22	July 2022	9.2.28
	d) libvirtd must be running, libvirt-client must be installed, libxml2 must be installed	Windows 10	October 2015	9.2.1
		Windows 11 Professional	December 2021	9.2.26
		Windows 11 Enterprise	December 2021	9.2.26
		Windows Server 2012 Datacenter (19)	June 2015	9.2.0.14
		Windows Server 2012 Standard (19)	June 2015	9.2.0.14
		Windows Server 2012R2 Datacenter (19)	April 2017	9.0.0
		Windows Server 2012R2 Standard (19)	April 2017	9.0.0
		Windows Server 2016 Datacenter	January 2017	9.2.6
		Windows Server 2016 Standard	January 2017	9.2.6
		Windows Server 2019 Datacenter	April 2019	9.2.15
		Windows Server 2019 Standard	April 2019	9.2.15
		Windows Server 2019 Essentials	April 2019	9.2.15
		Windows Server 2022 Standard	December 2021	9.2.26
		Windows Server 2022 Datacenter	December 2021	9.2.26

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Intel/AMD (x86)	MS Hyper-V 3.0 as part of Windows 2012, Windows 2012R2 and Windows 8 - Mobility (4) - Failover clusters	CentOS 7	October 2012	9.2.3	
		CentOS 8	January 2020	9.2.18	
		CentOS Stream 9	January 2023	9.2.30	
		Debian 10	January 2020	9.2.18	
		Debian 11	January 2023	9.2.25	
		Oracle Linux 7	October 2012	9.2.5	
		Oracle Linux 8	December 2020	9.2.18	
		Oracle Linux 9	January 2023	9.2.30	
		Red Hat Enterprise Linux 6 (17)	October 2012	9.0.0	
		Red Hat Enterprise Linux 7	October 2012	9.0.0	
		Red Hat Enterprise Linux 8	October 2019	9.2.17	
		Red Hat Enterprise Linux 9	January 2023	9.2.30	
		SuSE SLES 12	October 2012	9.2.1	
		SuSE SLES 15	October 2019	9.2.16	
		Ubuntu 20	December 2020	9.2.20	
		Ubuntu 22	January 2023	9.2.28	
		Windows 10	October 2012	9.2.1	
		Windows Server 2012 Datacenter (19)	October 2012	9.0.0	
		Windows Server 2012 Standard (19)	October 2012	9.0.0	
		Windows Server 2012R2 Datacenter (19)	October 2012	9.0.0	
		Windows Server 2012R2 Standard (19)	October 2012	9.0.0	
		Windows Server 2016 Datacenter	October 2012	9.2.6	
		Windows Server 2016 Standard	October 2012	9.2.6	
		MS Hyper-V Server 2016, Windows Server 2016 with Hyper-V role - Mobility (4) - Failover clusters	CentOS 7	October 2012	9.2.7
			CentOS 8	January 2020	9.2.18
			CentOS Stream 9	January 2023	9.2.30
			Debian 10	January 2020	9.2.18
			Debian 11	January 2023	9.2.25
			Oracle Linux 7	October 2012	9.2.7
			Oracle Linux 8	December 2020	9.2.18
	Oracle Linux 9		January 2023	9.2.30	
	Red Hat Enterprise Linux 6 (17)		October 2012	9.2.7	
	Red Hat Enterprise Linux 7		October 2012	9.2.7	
	Red Hat Enterprise Linux 8		October 2019	9.2.17	
	Red Hat Enterprise Linux 9		January 2023	9.2.30	
	Ubuntu 20		December 2020	9.2.20	
	Ubuntu 22		January 2023	9.2.28	
	SuSE SLES 12		October 2012	9.2.1	
	SuSE SLES 15		October 2019	9.2.16	
	Windows 10		October 2012	9.2.7	
	Windows Server 2012 Datacenter (19)		October 2012	9.2.7	
	Windows Server 2012 Standard (19)		October 2012	9.2.7	
	Windows Server 2012R2 Datacenter (19)		October 2012	9.2.7	
	Windows Server 2012R2 Standard (19)		October 2012	9.2.7	
	Windows Server 2016 Datacenter		October 2012	9.2.7	
	Windows Server 2016 Standard		October 2012	9.2.7	
	Windows Server 2019 Standard		April 2019	9.2.15	
	Windows Server 2019 Datacenter		April 2019	9.2.15	
	Windows Server 2019 Essentials		April 2019	9.2.15	
	MS Hyper-V Server 2019, Windows Server 2019 with Hyper-V role - Mobility (4) - Failover clusters		CentOS 7	October 2012	9.2.7
			CentOS 8	January 2020	9.2.18
			CentOS Stream 9	January 2023	9.2.30
			Debian 10	January 2020	9.2.18
		Debian 11	January 2023	9.2.25	
		Oracle Linux 7	October 2012	9.2.7	
		Oracle Linux 8	December 2020	9.2.18	
		Oracle Linux 9	January 2023	9.2.30	
		Red Hat Enterprise Linux 6 (17)	October 2012	9.2.7	
		Red Hat Enterprise Linux 7	October 2012	9.2.7	
		Red Hat Enterprise Linux 8	October 2019	9.2.17	
		Red Hat Enterprise Linux 9	January 2023	9.2.30	
		Ubuntu 20	December 2020	9.2.20	
		Ubuntu 22	January 2023	9.2.28	
		SuSE SLES 12	October 2012	9.2.1	
		SuSE SLES 15	October 2019	9.2.16	
		Windows 10	October 2012	9.2.7	
		Windows 11 Professional	December 2021	9.2.26	
		Windows 11 Enterprise	December 2021	9.2.26	
		Windows Server 2012 Datacenter (19)	October 2012	9.2.7	
		Windows Server 2012 Standard (19)	October 2012	9.2.7	
		Windows Server 2012R2 Datacenter (19)	October 2012	9.2.7	
		Windows Server 2012R2 Standard (19)	October 2012	9.2.7	
		Windows Server 2016 Datacenter	October 2012	9.2.7	
		Windows Server 2016 Standard	October 2012	9.2.7	
		Windows Server 2019 Standard	April 2019	9.2.15	
		Windows Server 2019 Datacenter	April 2019	9.2.15	
		Windows Server 2019 Essentials	April 2019	9.2.15	
		Windows Server 2022 Standard	December 2021	9.2.26	
		Windows Server 2022 Datacenter	December 2021	9.2.26	
	Windows Server 2022 with Hyper-V role - Mobility (4) - Failover clusters	CentOS 7	October 2012	9.2.27	
		CentOS 8	January 2020	9.2.27	
		CentOS Stream 9	January 2023	9.2.30	
		Red Hat Enterprise Linux 6 (17)	October 2012	9.2.27	
		Red Hat Enterprise Linux 7	October 2012	9.2.27	
		Red Hat Enterprise Linux 8	October 2019	9.2.27	
		Red Hat Enterprise Linux 9	January 2023	9.2.30	
		Ubuntu 20	December 2020	9.2.27	
		Ubuntu 22	January 2023	9.2.28	
		SuSE SLES 12	January 2023	9.2.27	
		SuSE SLES 15	January 2023	9.2.16	
		Windows 10	October 2012	9.2.27	
		Windows 11 Professional	December 2021	9.2.27	
		Windows 11 Enterprise	December 2021	9.2.27	

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		Windows Server 2012 Datacenter (19)	October 2012	9.2.27	
		Windows Server 2012 Standard (19)	October 2012	9.2.27	
		Windows Server 2012R2 Datacenter (19)	October 2012	9.2.27	
		Windows Server 2012R2 Standard (19)	October 2012	9.2.27	
		Windows Server 2016 Datacenter	October 2012	9.2.27	
		Windows Server 2016 Standard	October 2012	9.2.27	
		Windows Server 2019 Standard	April 2019	9.2.27	
		Windows Server 2019 Datacenter	April 2019	9.2.27	
		Windows Server 2019 Essentials	April 2019	9.2.27	
		Windows Server 2022 Standard	December 2021	9.2.27	
		Windows Server 2022 Datacenter	December 2021	9.2.27	
		Azure Stack HCI	CentOS 7	October 2012	9.2.27
			CentOS 8	January 2020	9.2.27
			CentOS Stream 9	January 2023	9.2.30
	Red Hat Enterprise Linux 6 (17)		October 2012	9.2.27	
	Red Hat Enterprise Linux 7		October 2012	9.2.27	
	Red Hat Enterprise Linux 8		October 2019	9.2.27	
	Red Hat Enterprise Linux 9		January 2023	9.2.30	
	SuSE SLES 12		January 2023	9.2.27	
	SuSE SLES 15		January 2023	9.2.27	
	Windows 10		October 2012	9.2.27	
	Windows 11 Professional		December 2021	9.2.27	
	Windows 11 Enterprise		December 2021	9.2.27	
	Windows Server 2012 Datacenter (19)		October 2012	9.2.27	
	Windows Server 2012 Standard (19)		October 2012	9.2.27	
	Windows Server 2012R2 Datacenter (19)		October 2012	9.2.27	
	Windows Server 2012R2 Standard (19)		October 2012	9.2.27	
	Windows Server 2016 Datacenter		October 2012	9.2.27	
	Windows Server 2016 Standard		October 2012	9.2.27	
	Windows Server 2019 Standard		April 2019	9.2.27	
	Windows Server 2019 Datacenter		April 2019	9.2.27	
	Windows Server 2019 Essentials	April 2019	9.2.27		
	Windows Server 2022 Standard	December 2021	9.2.27		
	Windows Server 2022 Datacenter	December 2021	9.2.27		
	Sun Microsystems Containers/Zones - Single Server	Solaris 11	October 2012	9.0.0	
	VMware vSphere 7 (ESXi 7) (4) - Mobility (VMware VMotion)	CentOS 7	October 2018	9.2.13	
		CentOS 8	January 2020	9.2.18	
		Debian 10	January 2020	9.2.18	
		Debian 11	October 2021	9.2.25	
		Oracle Linux 7	October 2018	9.2.13	
		Oracle Linux 8	January 2020	9.2.18	
		Oracle Linux 9	January 2023	9.2.30	
		Red Hat Enterprise Desktop 6 (17)	October 2018	9.2.13	
		Red Hat Enterprise Linux 6 (17)	October 2018	9.2.13	
Red Hat Enterprise Linux 7		October 2018	9.2.13		
Red Hat Enterprise Linux 8		October 2019	9.2.17		
Red Hat Enterprise Linux 9		July 2022	9.2.28		
Solaris 11 (12)		October 2018	9.2.13		
SuSE SLES 12		October 2018	9.2.13		
SuSE SLES 15		October 2019	9.2.17		
Ubuntu 20		July 2020	9.2.20		
Ubuntu 22		July 2022	9.2.28		
Windows 10		October 2018	9.2.13		
Windows 11 Professional		December 2021	9.2.26		
Windows 11 Enterprise		December 2021	9.2.26		
Windows Server 2012 Datacenter (19)		October 2018	9.2.13		
Windows Server 2012 Standard (19)		October 2018	9.2.13		
Windows Server 2012R2 Datacenter (19)		October 2018	9.2.13		
Windows Server 2012R2 Standard (19)		October 2018	9.2.13		
Windows Server 2016 Datacenter		October 2018	9.2.13		
Windows Server 2016 Standard		October 2018	9.2.13		
Windows Server 2019 Standard		April 2019	9.2.15		
Windows Server 2019 Datacenter		April 2019	9.2.15		
Windows Server 2019 Essentials		April 2019	9.2.15		
Windows Server 2022 Standard		December 2021	9.2.26		
Windows Server 2022 Datacenter		December 2021	9.2.26		
VMware vSphere 8 (ESXi 8) (4)		CentOS 7	October 2018	9.2.13	
		CentOS 8	January 2020	9.2.18	
		Debian 10	January 2020	9.2.18	
		Debian 11	October 2021	9.2.25	
		Debian 12	January 2024	9.2.34	
		Oracle Linux 7	October 2018	9.2.13	
		Oracle Linux 8	January 2020	9.2.18	
		Oracle Linux 9	January 2023	9.2.30	
		Red Hat Enterprise Desktop 6 (17)	October 2018	9.2.13	
	Red Hat Enterprise Linux 6 (17)	October 2018	9.2.13		
	Red Hat Enterprise Linux 7	October 2018	9.2.13		
	Red Hat Enterprise Linux 8	October 2019	9.2.17		
	Red Hat Enterprise Linux 9	July 2022	9.2.28		
	Solaris 11 (12)	October 2018	9.2.13		
	SuSE SLES 12	October 2018	9.2.13		
	SuSE SLES 15	October 2019	9.2.17		
	Ubuntu 20	July 2020	9.2.20		
	Ubuntu 22	July 2022	9.2.28		
	Windows 10	October 2018	9.2.13		
	Windows 11 Professional	December 2021	9.2.26		
	Windows 11 Enterprise	December 2021	9.2.26		
	Windows Server 2012 Datacenter (19)	October 2018	9.2.13		
	Windows Server 2012 Standard (19)	October 2018	9.2.13		
	Windows Server 2012R2 Datacenter (19)	October 2018	9.2.13		
	Windows Server 2012R2 Standard (19)	October 2018	9.2.13		
	Windows Server 2016 Datacenter	October 2018	9.2.13		

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ELIGIBLE VIRTUALIZATION TECHNOLOGY & ELIGIBLE OPERATING SYSTEM TECHNOLOGY

<http://www-01.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>

Upcoming changes: <https://www.ibm.com/support/pages/node/1079427>

Virtualization technologies and/or operating systems that are to be removed from next version of table are marked in orange. See *Upcoming changes* .

Revised: March 20, 2024

Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)
		Windows Server 2016 Standard	October 2018	9.2.13
		Windows Server 2019 Standard	April 2019	9.2.15
		Windows Server 2019 Datacenter	April 2019	9.2.15
		Windows Server 2019 Essentials	April 2019	9.2.15
		Windows Server 2022 Standard	December 2021	9.2.26
		Windows Server 2022 Datacenter	December 2021	9.2.26
	VMware vCenter Server 7	All equivalent to ESXi 7, ESXi 6.5, ESXi 6.7	July 2020	9.2.20
	VMware vCenter Server 8	All equivalent to ESXi 6.7 or later	April 2023	9.2.31
	Azure VMware Solution	All equivalent to ESXi 6.5 or later	July 2022	9.2.28
	VMware Cloud on AWS	All equivalent to ESXi 6.5 or later	April 2022	9.2.27

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Revised: **March 20, 2024**

Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)	
	XenServer/CITRIX XenServer 7	CentOS 7	January 2017	9.2.6	
		Oracle Linux 7	January 2017	9.2.6	
		Red Hat Enterprise Linux 6 (17)	January 2017	9.2.6	
		Red Hat Enterprise Linux 7	January 2017	9.2.6	
		SuSE SLES 12	January 2017	9.2.6	
		Windows 10	January 2017	9.2.6	
		Windows Server 2012 Datacenter (19)	January 2017	9.2.6	
		Windows Server 2012 Standard (19)	January 2017	9.2.6	
		Windows Server 2012R2 Datacenter (19)	January 2017	9.2.6	
		Windows Server 2012R2 Standard (19)	January 2017	9.2.6	
		Windows Server 2016 Datacenter	January 2017	9.2.6	
		Windows Server 2016 Standard	January 2017	9.2.6	
		CITRIX Hypervisor 8	CentOS 7	April 2020	9.2.19
			CentOS 8	April 2020	9.2.18
			Debian 10	April 2020	9.2.19
			Debian 11	October 2021	9.2.25
			Debian 12	January 2024	9.2.34
			Oracle Linux 7	April 2020	9.2.19
	Oracle Linux 8		April 2020	9.2.19	
	Red Hat Enterprise Linux 6 (17)		April 2020	9.2.19	
	Red Hat Enterprise Linux 7		April 2020	9.2.19	
	Red Hat Enterprise Linux 8		April 2020	9.2.19	
	Red Hat Enterprise Linux 9		July 2022	9.2.28	
	SuSE SLES 12		April 2020	9.2.19	
	SuSE SLES 15		April 2020	9.2.19	
	Ubuntu 20		July 2020	9.2.20	
	Ubuntu 22		July 2022	9.2.28	
	Windows 10		April 2020	9.2.19	
	Windows 11 Professional		December 2021	9.2.26	
	Windows 11 Enterprise		December 2021	9.2.26	
	Windows Server 2012 Datacenter (19)		April 2020	9.2.19	
	Windows Server 2012 Standard (19)		April 2020	9.2.19	
	Windows Server 2012R2 Datacenter (19)		April 2020	9.2.19	
	Windows Server 2012R2 Standard (19)		April 2020	9.2.19	
	Windows Server 2016 Datacenter		April 2020	9.2.19	
	Windows Server 2016 Standard		April 2020	9.2.19	
	Windows Server 2019 Standard	April 2020	9.2.19		
	Windows Server 2019 Datacenter	April 2020	9.2.19		
	Windows Server 2019 Essentials	April 2020	9.2.19		
	Windows Server 2022 Standard	December 2021	9.2.26		
	Windows Server 2022 Datacenter	December 2021	9.2.26		

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ELIGIBLE VIRTUALIZATION TECHNOLOGY & ELIGIBLE OPERATING SYSTEM TECHNOLOGY

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Revised: **March 20, 2024**

Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)
Intel/AMD (x86)	Xen Hypervisor - version 4.4+	CentOS 7	April 2017	9.2.7
		Oracle Linux 7	April 2017	9.2.7
		Red Hat Enterprise Linux 6 (17)	April 2017	9.2.7
		Red Hat Enterprise Linux 7	April 2017	9.2.7
		Red Hat Enterprise Linux 8	October 2019	9.2.17
		Red Hat Enterprise Linux 9	July 2022	9.2.28
		SuSE SLES 12	April 2017	9.2.7
		SuSE SLES 15	October 2019	9.2.17
		Windows 10	April 2017	9.2.7
		Windows 11	December 2021	9.2.26
		Windows Server 2012 Datacenter (19)	April 2017	9.2.7
		Windows Server 2012 Standard (19)	April 2017	9.2.7
		Windows Server 2012R2 Datacenter (19)	April 2017	9.2.7
		Windows Server 2012R2 Standard (19)	April 2017	9.2.7
		Windows Server 2016 Datacenter	April 2017	9.2.7
		Windows Server 2016 Standard	April 2017	9.2.7
		Windows Server 2019 Standard	April 2020	9.2.19
		Windows Server 2019 Datacenter	April 2020	9.2.19
		Windows Server 2019 Essentials	April 2020	9.2.19
		Windows Server 2022 Standard	December 2021	9.2.26
		Windows Server 2022 Datacenter	December 2021	9.2.26
		Nutanix AHV for x86 (managed by PRISM) 5.10+	CentOS 7	April 2021
	CentOS 8		April 2021	9.2.18
	Debian 10		April 2021	9.2.19
	Debian 11		January 2023	9.2.25
	Oracle Linux 7		April 2021	9.2.18
	Oracle Linux 8		April 2021	9.2.18
	Oracle Linux 9		January 2023	9.2.30
	Red Hat Enterprise Linux 6 (17)		April 2021	9.2.18
	Red Hat Enterprise Linux 7		January 2020	9.2.18
	Red Hat Enterprise Linux 8		January 2020	9.2.18
	Red Hat Enterprise Linux 9		July 2022	9.2.28
	Ubuntu 20		April 2021	9.2.20
	Ubuntu 22		January 2024	9.2.28
	SuSE SLES 12		April 2021	9.2.18
	SuSE SLES 15		April 2021	9.2.18
	Windows 10		April 2021	9.2.18
	Windows Server 2012 Datacenter (19)		April 2021	9.2.18
	Windows Server 2012 Standard (19)		April 2021	9.2.18
	Windows Server 2012R2 Datacenter (19)		April 2021	9.2.18
	Windows Server 2012R2 Standard (19)		April 2021	9.2.18
	Windows Server 2016 Datacenter		January 2020	9.2.18
	Windows Server 2016 Standard		January 2020	9.2.18
	Windows Server 2019 Standard		January 2020	9.2.18
	Windows Server 2019 Datacenter		January 2020	9.2.18
	Windows Server 2019 Essentials		April 2019	9.2.15
	Windows Server 2022 Standard		April 2022	9.2.26
	Windows Server 2022 Datacenter		April 2022	9.2.26

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Revised: **March 20, 2024**

Server Vendor (Processor) (1)	Eligible Virtualization Technology (6)	Eligible Operating System (6)	Sub-capacity eligible from (2)	Earliest Supporting ILMT Version/ Release 9.x (3)
Intel/AMD (x86)	<p>1. Operating System commands and BIOS limits for operating system - To limit processor core capacity available to the Eligible Operating System environment installed on bare metal according to the Virtualization Capacity Counting Rules for Operating System Commands and BIOS Settings.</p> <p>IMPORTANT: Operating System Commands can not be mixed with with other Eligible Virtualization Technologies and are supported ONLY on bare metal.</p> <p>2. BIOS limits for hypervisors - To limit processor core capacity on following hypervisors installed on bare metal using BIOS settings</p> <ul style="list-style-type: none"> - Microsoft Hyper-V (2012/2016/2019) - Vmware vSphere/ESXi (6.5/6.7/7.0) - Red Hat Virtualization 4 - Citrix Hypervisor 8.x <p>IMPORTANT: BIOS limits for hypervisors are supported ONLY on bare metal and cannot be mixed with Operating System Commands.</p> <p>Hardware environment must use SMBIOS 2.5 or higher. Note SMBIOS 2.5 or higher supports both legacy BIOS and UEFI standards.</p>	CentOS 7	April 2016	9.2.3
		CentOS 8	December 2020	9.2.18
		CentOS Stream 9	January 2023	9.2.30
		Debian 10	December 2020	9.2.19
		Debian 11	October 2021	9.2.25
		Debian 12	January 2024	9.2.34
		Oracle Linux 7	December 2018	9.2.14
		Oracle Linux 8	January 2020	9.2.18
		Oracle Linux 9	January 2023	9.2.30
		Red Hat Enterprise Desktop 6 (17)	September 2010	9.0.0
		Red Hat Enterprise Linux 6 (17)	September 2010	9.0.0
		Red Hat Enterprise Linux 7	September 2010	9.0.0
		Red Hat Enterprise Linux 8	December 2020	9.2.17
		Red Hat Enterprise Linux 9	July 2022	9.2.28
		Solaris 11	July 2012	9.0.0
		SuSE SLES 12	January 2016	9.2.1
		SuSE SLES 15	December 2020	9.2.19
		Ubuntu 20	July 2020	9.2.20
		Ubuntu 22	July 2022	9.2.28
		Windows 10	October 2015	9.2.1
		Windows 11 Professional	December 2021	9.2.26
		Windows 11 Enterprise	December 2021	9.2.26
		Windows Server 2012 Datacenter (19)	October 2012	9.0.0
		Windows Server 2012 Standard (19)	October 2012	9.0.0
		Windows Server 2012R2 Datacenter (19)	October 2013	9.0.0
		Windows Server 2012R2 Standard (19)	October 2013	9.0.0
		Windows Server 2016 Datacenter	January 2017	9.2.6
		Windows Server 2016 Standard	January 2017	9.2.6
		Windows Server 2019 Standard	April 2019	9.2.15
		Windows Server 2019 Datacenter	April 2019	9.2.15
Windows Server 2019 Essentials	April 2019	9.2.15		
Windows Server 2022 Standard	December 2021	9.2.26		
Windows Server 2022 Datacenter	December 2021	9.2.26		

- Please check the eligible processor technology list for specific processors supported in the Sub-capacity offering <http://www-01.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>
- Date from which the Virtualization technology / OS are eligible for sub-capacity licensing
- Indicates the earliest Version Release that supports the Virtualization technology / OS . This refers only to the ILMT support of a virtualization technology. For other IBM Programs support of a virtualization technology, please consult the Program announcement letter or contact your sales representative
- 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.
- For eligible technologies not supported by ILMT 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
- When Sub-capacity eligibility is no longer available because either the Virtualization Technology or the Operating System version in use is no longer supported by its manufacturer, you have up to 180 days to move to an Eligible Virtualization Environment.
- ILMT full capacity PVU values will need to be adjusted upward manually for the number of activated cores on the server
- Hardware environment must use SMBIOS 2.5 or higher, use with bare metal OS only. Note SMBIOS 2.5 or higher supports both legacy BIOS and UEFI standards.
- When either BIOS, factory deconfiguration or HP iCAP settings are used to reduce the capacity of a server, ILMT full capacity PVU values must be adjusted upward manually to include the deconfigured cores.
- Sub-capacity eligibility for IBM i Workload Groups is an Eligible Sub-capacity Product starting February 7, 2012 running on Power 7 processors
- The discovery is based on disconnected scans, a semi-automated procedure for collecting the data about the hardware and software inventory. No BigFix client available for ILMT version 9.x
- Single Server, Cluster, Mobility (VMware Vmotion). Support for operating system only. Solaris containers (including Zones) are not supported on VMware.
- When virtual machines are live migrated by using Live Partition Mobility technology, the number of PVUs reported by License Metric Tool might increase. For example, when two VMs exist on a sever with 4 cores, and each of the VMs is assigned 3 cores, they are both capped to the capacity of the server. As a result, they can use the maximum of 4 cores. However, when the machines are live migrated to a different server, it is likely to happen that License Metric Tool sees one VM as living on one server and the other VM as living on the second server for a short period of time. Thus, capacity of the VMs is not capped and 3 cores are reported for each VM which gives the total of 6 cores. This is the proper way of calculating PVUs based on the periodic capacity sampling performed by IBM Licensed Metric Tool.
- Solaris containers (including Zones) are not supported in this configuration.
- For detailed information on support of given guest OS please see Red Hat documentation for specific Red Hat Virtualization version (<https://access.redhat.com/articles/973163>) or RedHat Enterprise Linux with KVM (<https://access.redhat.com/articles/973133>)
- For detailed information on support of given guest OS please see Oracle documentation for specific Oracle Linux version (<https://docs.oracle.com/en/operating-systems/oracle-linux/kvm-user/kvm-AboutOracleLinuxKVM.html#support>)
- On November 30, 2020 Red Hat Enterprise Linu 6 has reached End Of Maintenance Support 2. On June 20 2024 it reaches end of Extended Life cycle support. You have up to 180 days to move to supported operating system/virtualization technology. (end of Q2 2024)
- On April 30, 2021 IBM i 7.2 has reached End Of Maintenance Support. You have up to move to supported operating system/virtualization technology. (end of Q2 2024)
- On October 10, 2023 Microsoft Windows Server 2012/2012 R2 will reach End Of Support/End Of Life. You have up to 360 days to move to supported operating system/virtualization technology. (end of Q3 2024)

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