

Table B.1 List of Hardware Virtualization Software

Name	Creator/Founder	Host CPU	Guest CPU	Host OS	Guest OS (Officially Supported)
Bochs	Kevin Lawton	x86, SPARC, PowerPC, Alpha, MIPS	x86	AIX, BeOS, IRIX, Linux, OS X, Windows	BSD, Linux, Windows
CoLinux	Dan Aloni	x86	x86	Linux, Windows	Linux
Denali	University of Washington	x86	x86	Denali	Ilwaco, NetBSD
KVM	KVM Project	x86	x86	Linux	Linux, Windows
Logical Domains	Sun	UltraSPARC T1	SPARC	Solaris	FreeBSD, Linux, Solaris
Parallels Workstation	Parallels, Inc.	x86	x86	Linux, Windows	FreeBSD, Linux OS/2, Solaris, Windows
QEMU	Fabrice Bellard	x86, IA-64, SPARC, PowerPC, S/390, ARM, M68k	x86, SPARC, PowerPC, MIPS	BeOS, BSD, Linux, Linux, OS X, Solaris, Linux	BSD, Linux, Windows
UML	Jeff Dike	x86	x86	Linux	Linux

Continued

Table B.1 continued List of Hardware Virtualization Software

Name	Creator/Founder	Host CPU	Guest CPU	Host OS	Guest OS (Officially Supported)
Virtual Iron	Virtual Iron Software, Inc.	x86	x86	none; bare-metal	BSD, Linux, OS/2, Windows
Virtual PC	Microsoft	x86, PowerPC	x86	OS X, Windows	Linux, OS/2, Windows
Virtual Server	Microsoft	x86	x86	Windows	Linux, Windows
VMware Workstation	VMware	x86	x86	Linux, Windows	FreeBSD, Linux, Netware, Solaris, Windows
VMware Server	VMware	x86	x86	Linux, Windows	FreeBSD, Linux, Netware, Solaris, Windows
VMware ESX Server	VMware	x86	x86	None; bare-metal	FreeBSD, Linux, Netware, Solaris, Windows
Xen	University of Cambridge	x86, IA-64, PowerPC	x86	NetBSD, Linux, Solaris	xBSD, Linux, Solaris, Windows

Continued

Table B.1 continued List of Hardware Virtualization Software

Name	Creator/Founder	Host CPU	Guest CPU	Host OS	Guest OS (Officially Supported)
XenServer Family	XenSource	x86	x86	None; bare-metal	Linux, Windows
z/VMM	IBM	z/Arch.	z/Arch.	None; z/VMM runs directly inside LPAR	Linux for System z, z/OS, z/TPF, z/VSE, z/VMI

Table B.2 Continued List of Hardware Virtualization Software

Name	SMP	Type of Virtualization	License Type	Typical Use	Relative speed	Commercial Support Available?
Bochs	Yes	Emulation	LGPL	Developer, hobbyist	Very slow	No
CoLinux	No	Porting	GPL	Developer, hobbyist	Native	No
Denali	No	Paravirtualization, porting	N/A	Research	Slow	No
KVM	No	In-kernel virtualization	GPL	Developer, hobbyist, server consolidation	Near-native	No
Logical Domains	Yes	Paravirtualization	Free CDDL	Web hosting, server consolidation	Near-native	Yes
Parallels Workstation	No	Full virtualization	Retail	Developer, hobbyist, tester, business workstation	Near-native	Yes
QEMU	Yes	Full virtualization	GPL, LGPL	Developer, hobbyist, server consolidation	Near-native	No
UML	No	Porting	GPL	Developer, hobbyist	Slow	No

Continued

Table B.2 Continued List of Hardware Virtualization Software

Name	SMP	Type of Virtualization	License Type	Typical Use	Relative speed	Commercial Support Available?
Virtual Iron	Yes	Native virtualization	Retail	Developer, tester, server consolidation	Near-native	Yes
Virtual PC	No	Full virtualization	Free Retail	Developer, tester, training	Near-native with VM additions	Yes
Virtual Server	No	Full virtualization	Free Retail	Developer, tester, training, enterprise server consolidation	Near-native with VM additions	Yes
VMware Workstation	Yes	Full virtualization	Retail	Developer, tester, training	Near-native with VM tools	Yes
VMware Server	Yes	Full virtualization	Free Retail	Developer, tester, training, server consolidation	Near-native with VM tools	Yes
VMware ESX Server	Yes	Full virtualization	Retail	Developer, tester, training, enterprise server consolidation	Near-native with VM tools	Yes

Continued

Table B.2 Continued List of Hardware Virtualization Software

Name	SMP	Type of Virtualization	License Type	Typical Use	Relative speed	Commercial Support Available?
Xen	Yes	Paravirtualization with porting, native virtualization	GPL	Developer, tester, training, server consolidation	Near-native	No
XenServer Family	Yes	Paravirtualization with porting, native virtualization	Retail	Developer, tester, training, enterprise server consolidation	Near-native	Yes
z/VM	Yes	Paravirtualization	Retail	Enterprise servers		Native

Table B.3 List of Operating System-Level Virtualization Software

Name	Creator	Host CPU	Guest CPU	Host OS	Guest OS (Officially Supported)
Jails	FreeBSD	x86	x86	FreeBSD	FreeBSD
OpenVZ	SWsoft	x86, IA-64, PowerPC, SPARC	x86, IA-64, PowerPC, SPARC	Linux	Linux
Solaris Containers	Sun	x86, SPARC	x86, SPARC	Solaris	Linux, Solaris
Virtuozzo	SWsoft	x86, IA-64	x86, IA-64	Linux, Windows	Linux, Windows
VServer	Open-source project	x86, IA-64, Alpha, PowerPC, SPARC, ARM, S/390, MIPS	same as host	Linux	Linux

Table B.4 Continued List of Operating System-Level Virtualization Software

Name	SMP	License	Typical Use	Relative Speed	Commercial Support Available?
Jails	Yes	FreeBSD	Web hosting, server consolidation	Native	No
OpenVZ	Yes	GPL	Server consolidation	Native	No
Solaris Containers	Yes	Free CDDL	Developer, tester, enterprise server c	Native	Yes
Virtuozzo	Yes	Retail	onsolidation, Web hosting Developer, tester, server consolidation	Native	Yes
VServer	Yes	GPL	Developer, Web hosting, server consolidation	Native	No