

A feature comparison of iSCSI Target Software for Windows. Compiled by Joachim Nässlander, Nullsession.com.

Contact: joachim(a t)nullsession.com

Features	StarWind FREE	StarWind Server	StarWind VTL	StarWind Enterprise Server	Iscsi Cake Personal	Standard	Enterprise	Nimbus MySan	iStorage server free	iStorage personal	iStorage Standard	iStorage Ultimate	FalconStor Network Storage Server (ESX Appliance)	DataCore SANmelody (Comes in "bundles")	Microsoft Windows Storage Server 2008
CDP & Snapshots (Microsoft VSS compatible)	No	No	No	Yes	n/a	n/a	n/a	n/a	No	No	No	No	Yes	Yes	Yes (Enterprise)
Mirroring & Asynchronous Replication	No	No	No	Yes	n/a	n/a	n/a	n/a					Yes	Yes	DFS-R
Thin Provisioning	No	No	No	Yes	n/a	n/a	n/a	n/a					Yes	Yes	n/a
I/O read and write caching	Yes	Yes	Yes	Yes	Server Cache	Server Cache	Server Cache	n/a	Yes	Yes	Yes	Yes		Yes	n/a
Compression and Encryption	Yes	Yes	No	Yes	n/a	n/a	n/a	n/a					Yes	n/a	Yes (And SIS)
CHAP user authentication	Yes	Yes	Yes	Yes	yes	yes	yes	no	Yes (1)	Yes (20)	Yes (200)	Yes	n/a	n/a	Yes
IPsec on-the-fly iSCSI network traffic encryption (tunneling)	Yes	Yes	Yes	Yes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		n/a	n/a
Software RAID1 (mirror)	No	No	No	Yes	n/a	n/a	n/a	n/a	No	No	Yes	Yes	n/a	n/a	Yes
Number of physical or virtual Ethernet ports	1	Unlimited	Unlimited	Unlimited	n/a	n/a	n/a	n/a	Unlimited	Unlimited	Unlimited	Unlimited	n/a	n/a	Unlimited
Number of served hard disk drives	2	Unlimited	Unlimited	Unlimited	2	4	16	Unlimited	1	10	Unlimited	Unlimited	n/a	n/a	n/a
Maximum served single hard disk drive capacity and total target served capacity	2 TB	Unlimited	Unlimited	Unlimited	2/4 TB	1 PB / 4 PB	4 PB / 16 PB	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	16 TB	n/a	Unlimited
Number of supported CPUs or CPU cores	4	Unlimited	Unlimited	Unlimited	n/a	n/a	n/a						n/a	n/a	8 (Enterprise)
Number of supported concurrent iSCSI connections	Unlimited	Unlimited	Unlimited	Unlimited	3	Unlimited	Unlimited	Unlimited	1	5	50	Unlimited	n/a	n/a	n/a
SPTI (SCSI Pass-Through Interface) mode	No	Yes	No	Yes	n/a	n/a	n/a	n/a	No	Yes	Yes	Yes	n/a	n/a	n/a
iSCSI RAM disk (for network performance tuning)	Yes	Yes	No	Yes	n/a	n/a	n/a	n/a	No	No	Yes	Yes	n/a	n/a	n/a
iSCSI CD/DVD/Blu-Ray/HD-DVD emulation	Yes	Yes	Yes	Yes	ISO support	ISO	ISO	No	No	Yes	Yes	Yes	n/a	n/a	n/a
iSCSI VTL (Virtual Tape Library) emulation	No	No	Yes	No	n/a	n/a	n/a	n/a	No	Yes	Yes	Yes	n/a	n/a	n/a
ESX Server (VMDK-file as target)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cluster support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Host OS	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2003 SP1 (sp2 not supported)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	2000/XP/2003/Vista/2008 (x86/x64)	ESX Server	2008 SP2 x86/x64	2008 x86/x64
License Price	Free	\$595	\$1,795	\$2,995	\$69	\$199	\$299	Free	Free	\$99.95	\$299.95	\$599.95	n/a	from \$998	OEM only
Maintenance & Support	n/a	\$119	\$359	\$599	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
URL	http://www.starwindsoftware.com/	http://www.starwindsoftware.com/	http://www.starwindsoftware.com/	http://www.starwindsoftware.com/	http://www.iscsicake.com/	http://www.iscsicake.com/	http://www.iscsicake.com/	http://www.nimbusdata.com/products/mysan.php	http://www.keensafe.com/	http://www.keensafe.com/	http://www.keensafe.com/	http://www.keensafe.com/	http://www.falconstor.com/	http://www.datacore.com	http://www.dell.com