

Open Source Resources and Cost Comparisons

Updated December 2006

<i>Title</i>	<i>Software</i>	<i>Technical Specifications</i>	<i>Cost</i>	<i>What can this replace?</i>	<i>Potential savings</i>
Network, Desktops, Thin Clients					
Firewall & Internet Filter	SME server	Pentium 64 MB RAM 2 GB HD	\$0 – use “in-house” desktop \$349 – Dell Dimension 1100	Sonic Wall and filtering solution	SonicWall TZ170: \$750 Annual content filtering for above, 50 nodes: \$458 Annual support for above: \$116 <hr/> SonicWall Pro 3060: \$2,299 Annual content filtering for above: \$879 Annual support for above: \$479
Domain controller, file server (for small schools, this server could also function as a firewall and internet filter)	SME server	<u>40 users:</u> 600MHz Pentium 256 RAM 10 GB IDE or SCSI HD <u>40-500 users:</u> 700MHz Pentium 256 RAM 20 GB SCSI HD	Dell PowerEdge SC430: \$479	Windows domain controller and file server	Dell PowerEdge SC430 (upgrade to P4, 2.8GHz, 1 MB RAM): \$648 MS 2003 Server: \$127 Client Access Licenses: \$8.00 per client

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Desktop	Linux (many distributions available)	400 Mhz Pentium II 6 GB HD 256 RAM 32 MB Video RAM	\$0-? K12 Linux - \$0 Fedora - \$0 Ubuntu - \$0	MS Windows	MS OS software license: \$72 per desktop, school subscriptions also available
Terminal server	K12 LTSP OS		Dell PowerEdge SC 1420 (2 SCSI HD, 2 GB RAM, Dual Xeon 2.8 GHz Processors): \$2,195		Leverages funds for the purchase of computers. Obsolete desktops can also be used as thin clients for no additional cost. Commercial thin clients can be purchased for under \$100 (refurbished) or \$225 (new).
Thin clients	K12 LTSP OS (requires server)		\$0 - \$225 per thin client	Desktop computers	Dell Dimension 1100: \$638 (includes 17" CRT and 3-year on-site warranty)
Applications					
Office suite	StarOffice		No cost to K12	MS Office	MS Office software license: \$67 per desktop.
Office suite	Open Office		No cost	MS Office	MS Office software license: \$67 per desktop.

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Website content management system	Mambo Server		No cost		
Web page editor	NVU		No cost	Dreamweaver or Frontpage	FrontPage: \$51 per client DreamWeaver: \$189 per client
Desktop publishing	Scribus or OpenOffice Draw		No cost	Publisher	\$89 per client
Graphics editor	Gimp		No cost	Photoshop, Photoshop Elements, Paintshop Pro	PhotoShop: \$279 PhotoShop Elements: \$60.00 PaintShop Pro: \$56
Video editing	Cinelerra, Kino, and Jahshaka		No cost	MovieMaker, iMovie, Premiere	MovieMaker, iLife: \$79, \$49 ed. Premiere Elements: \$60 per client Adobe Premiere: \$219 per client
Sound editor	Audacity		No cost	Sound Forge	Sound Forge: \$45 per client
Antivirus	Clam Antivirus, AVG		No cost	Symantec, Sophos	\$8 per client minimum

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Database	OpenOffice Base		No cost	Access, Filemaker	Access: Part of MS Office Pro Suite FileMaker: \$149
Learning Management System	Moodle		No cost	WebCT, Blackboard	Minimum \$10,000 annual subscription
Project Management	DotProject		No cost	MS Project	\$59 per client
Gradebook	Ggradebook		No cost	Many available	\$15 per client minimum
Typing tutor	Tux type, GTypist, KTouch		No cost	Many available	\$15 per client minimum
Concept mapping	CmapTools FreeMind		No cost	Inspiration	\$24 per client
Student Information System	Centre		No cost	SASI, MMS	Over \$2,000
Applications: see www.schoolforge.net and www.ofset.org/freeduc	Many educational titles available		No cost for many titles	Many educational applications	

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