



Case Study

Crawford County Federated Library System
Pennsylvania Public Library System Transforms to Thin Computing Model
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Crawford County **Federated Library System**

Cindy Murdock, the IT Services Director for the library system had a passion to implement cost-effective, efficient technologies throughout their library system. She was insistent on developing a sound network with security, and longevity.

Cindy discovered DisklessWorkstations.com,
and began her IT transformation project.

The Before

Before 2000, Cindy Murdock knew that her network of Windows 95/98 desktops at an estimated 300-500 Mhz, wasn't going to withstand the test of time. The library system needed to explore options to upgrade both their computer hardware and network infrastructure. A logical cost-effective solution was required. Cindy and the library system turned to DisklessWorkstations.com to provide her with the technology to implement her Thin Client, Open Source, Library IT Model.

“The Fact that we can administer our LTSP servers remotely via ssh saves us both time and travel costs.”

Cindy Murdock
IT Services Director
Crawford County Federated Library System



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The After

In January, 2000, the Crawford County Federated Library System began their first implementation of LTSP. From early 2000 to present, this library system has continued to adopt and implement Thin Client/LTSP technologies. Cindy Murdock praises these technologies, and has had much success with her implementations. Cindy thanks the abilities of Linux noting, "Since Linux is so innately tweakable, we have been able to secure our public computers without having to buy additional software or paying for the operating system." All the software used by the Library system has come at no cost, with no licensing fee's. Only 2 people are required to manage this network!

"Our goal was to provide a more robust and consistent computing environment for our public Internet computers, with centralized installation & maintenance and innate security."

Cindy Murdock
IT Services Director
Crawford County
Federated Library System

Thin Client & Server Specifications

79 Thin Clients currently operating throughout 7 different Libraries.
- 85% old desktop PC's converted to a thin client using:
DisklessWorkstation's Bootable Network Card.
- 15% new DisklessWorkstation's Thin Clients

Each of the 7 Libraries has its own server.

Example server specifications: Dual-Core Opteron @ 2 Ghz with 2GB of RAM.



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Estimated Project Cost Savings

Windows Based Solution

(Assuming the need for only 2 servers)

	Cost / Unit	Quantity	Extended Cost
Standalone PCs	\$600	79	\$47,400.00
Servers	\$2000	2	\$4,000.00
		Grand Total	\$51,400.00

DisklessWorkstations.com & LTSP Solution

	Cost/Unit	Quantity	Extended Cost
Bootable NICs	\$35.00	71	\$2,485.00
DisklessWorkstation.com's LTSP Term 1220	\$284.95	8	\$2,279.60
Servers	\$2000	7	\$14,000.00
		Grand Total	\$18,764.60

Total Estimated Cost Savings

\$32,635.40

*The above example does not reflect true savings in a project implementing DisklessWorkstation's.

Item's not factored into cost savings:

- Average Life (in years)
 - Windows based business PC: 3 - 5
 - **DisklessWorkstations:** 5+
- Licensing Cost/Unit (Yearly)
 - Windows based business PC: \$50.00 +
 - **DisklessWorkstations:** \$0.00



About DisklessWorkstations.com

DisklessWorkstations.com is the global leader in Linux-based, thin-client hardware, strategy and deployment. DisklessWorkstations.com provides cost-effective, powerful and reliable solutions for business, education, government, manufacturing and resellers based on LTSP's advanced thin-client technology. Headquartered in southeastern Michigan, DisklessWorkstations.com combines unparalleled expertise with superior, reliable and easy to use thin client products. More information on DisklessWorkstations.com is available at www.DisklessWorkstations.com.