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# Empowering Innovation

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# Empowering Innovation: Technology Improvement Award results at Booth Library



Max Anderson  
Technology Coordinator,  
NN/LM GMR

Max was extremely helpful throughout the award process and had many thoughtful suggestions.

## Technology Improvement Award Project Time line

- 11/29/2010 - Award Application Submitted
- 12/23/2010 - Award Application Approved
- 3/21/2011 - Equipment Received and Running
- 4/29/2011 - Equipment fully functioning and accessible

Call for Applications is open with a rolling deadline

Maximum award \$4,500

All NN/LM GMR Full and Affiliate Members can apply

## Technology Improvement Award Call for Applications (CFAs)

The National Network of Libraries of Medicine, Greater Midwest Region (NN/LM GMR), under contract with the National Library of Medicine (NLM) External Link Indicator, announces the availability of Technology Improvement Awards for the purchase, installation, and/or upgrading of information technologies that enhance access to health information.

The GMR plans to fund a minimum of three awards for up to \$4,500 each in the 2011/2012 contract year (May 2011-April 2012). Applications not funded may be resubmitted in subsequent years. If you have questions regarding this award or require assistance with the application, contact Max Anderson, Technology Coordinator. Email Max or send an email to [gmr4u@uic.edu](mailto:gmr4u@uic.edu). To contact the GMR by phone, call 1-800-338-7657 and press one (1) for the Regional Network Office.

EIU serves programs in health physics, psychology, biology, health education, communication disorders, and nutrition. We serve an online RN to BSN nursing program, and the library's website is the primary point of access to health information for these distance education students. We also serve a second baccalaureate nursing program through a partnership with Lakeview College of Nursing.

We serve the needs of our education students seeking information on school health and children with disabilities. We also assist many students in composition classes writing on health topics, and students with personal health questions.

In addition to students and faculty, we assist health consumers that are not affiliated with the University through our online reference forms and we work with them in person to guide them to quality sources linked to our website, such as MedlinePlus.

This project has been funded in part with Federal Funds from the National Library of Medicine, National Institutes of Health, Department of Health and Human Services, under Contract No. N01-LM-6-3503 with the University of Illinois at Chicago.

## Problem:

Web Server at end of service life. Two servers are needed to replace it. Equipment funds limited.

## Solution:

Technology improvement Award provided funds for large server that runs several virtual machines.



HP Proliant DL180 G6 - 2 TB capacity - 24 GB memory



Booth Library website [www.library.eiu.edu](http://www.library.eiu.edu)

mobile website. [m.library.eiu](http://m.library.eiu)



Hardware virtualization with Hyper-V allows 4 virtual machines to run on one physical machine. Three Windows servers and one Ubuntu server run simultaneously.

## Challenges:

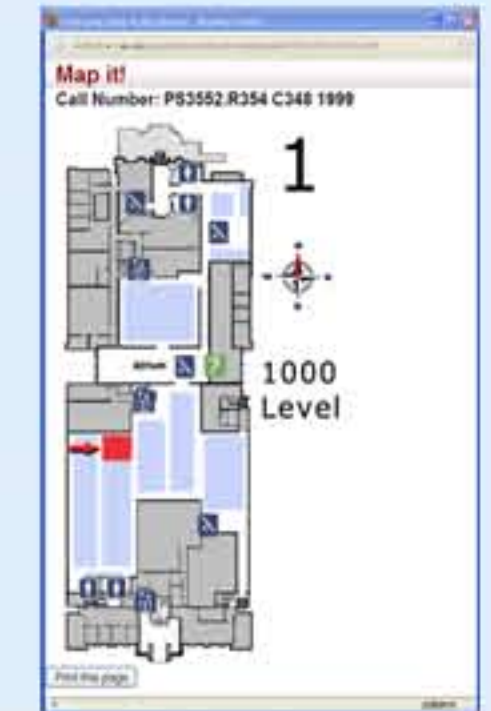
Ordering custom equipment takes significantly longer than standard, off the shelf equipment.

## Benefits:

Multiple redundant systems reduces the risk of complete hardware failure.



Simple web application designed to allow libraries to map their collections for patrons.



Implementation of the open source call number mapping application Map It @ Your Library is the first major project for the Ubuntu server. As booth library has four floors, LC, Dewey, and SuDocs call numbers, and over 60 locations, accurately describing the location of an item is important.

Customized maps accessible from the catalog and on mobile devices help users find the items they are looking for.



Map It @ Your Library allows libraries to easily create complex maps of collections for use within their catalogs and websites. From showing where specific books are shelved, to how to find the reference desk, to highlighting hard to find collections - Map It can help make collections more accessible.

The system was designed by the Wayne State University Library System, and was featured in the Code4Lib article "Map it @ WSU: Development of a Library Mapping System for Large Academic Libraries."

For more information, please contact WSULS Developer Librarian Paul Gallagher



Paul Gallagher  
Map It developer

Poster Presented by: Stacey Knight-Davis, Librarian, Booth Library, Eastern Illinois University

Project manager for Award: Stacey Knight-Davis

Other key personnel: Brian Hyder, Nackil Sung

