MUUGLines

The Manitoba UNIX User Group Newsletter

Next Meeting: October 11, 2016 7:30pm

Daemon-Dash: tinc

For this month's Daemon-Dash segment, **Mark Jenkins** will present tinc, "a Virtual Private Network (VPN) daemon that uses tunnelling and encryption to create a secure private network between hosts on the Internet."

Main Topic:
### Introducing Physical Computing

Davidian Chorley will be our presenter this month. **Introducing Physical Computing** is a presentation on computing devices with GPIOs. General Purpose Input/Outputs allow interfacing with a huge variety of hardware. Davidian will discuss several platforms that implement GPIOs, why one might want to use them, his own projects and various common and creative uses for physical computing. Platforms covered are Raspberry Pi and Raspbian (Debian), Arduino (the device and IDE), and MBED programmable devices from the ARM processor platform.

Door Prize: Raspberry PI B+

Paul Sierks is graciously donating a Pi B+.

Door Prize: Book of JavaScript

This month we will be giving away a dead-tree copy of The Book Of JavaScript, 2nd Ed, No Starch Press, courtesy of Gilbert and the U of M. This is an (not too) oldie but goodie that focuses on understanding. In addition, we will be giving away another ebook and the usual assortment of magazines and miscellanea. Come to the meeting for your chance to win!
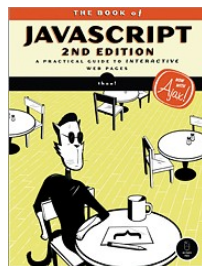
Where to Find the Meeting
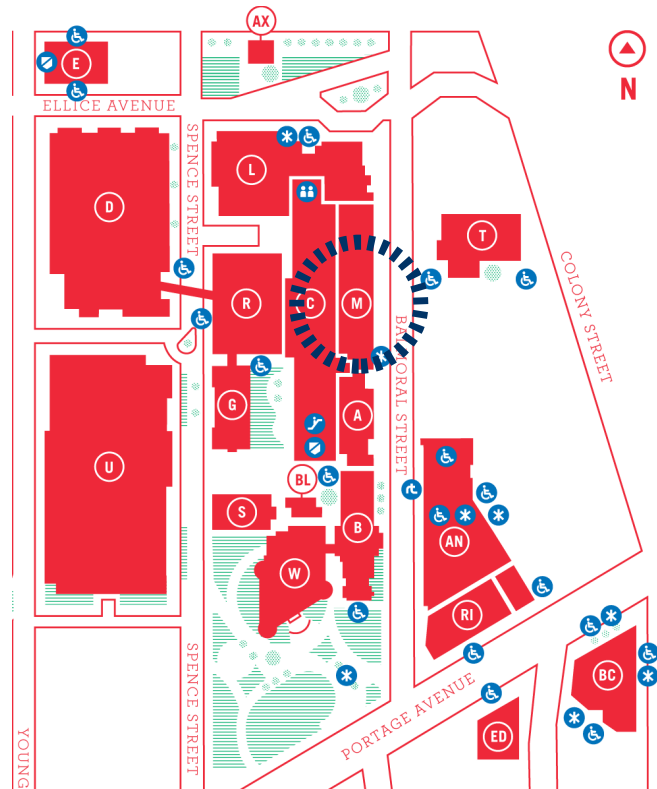
This Month's Meeting
1M28 Manitoba Hall

This month's meeting is on the east side of campus in room 3M60, 3rd floor, Manitoba Hall, close to Balmoral Street. Look for a sign on the door. There are elevators and escalators scattered around the buildings. A convenient one might be the elevator located right at the Ellice Ave entrance. Doors are usually open by 7:00 pm with the meeting starting at 7:30 pm. Parking is available on the surrounding streets. Please see http://www.uwinnipeg.ca/maps for further information about parking and access to the campus.

The latest meeting details are always at:
https://www.muug.mb.ca/meetings

MUUG Board Elections

Call for Nominations

Adam Thompson, Nomination Committee Chair

Calling all nominations! This is the preliminary call for nominees to participate in this year's MUUG Board election. Those elected will serve on the MUUG board from November 2016 to November 2017. Any MUUG member in good standing may nominate someone they feel would make a good candidate, including themselves.

The MUUG Board is tasked with coordinating the meetings and other events hosted by the group. It's fun, and you get a role in deciding what the group will do. All members are encouraged to apply.

Every November, the group holds its annual general meeting, the main goals of the meeting are to elect the new board, and to pass any special resolutions if required. The Board may consist of up to 10 people. The following 8 members are allowing their names to stand for re-election:

Trevor Cordes

 Owner – Tecnopolis Enterprises

Gilbert Detillieux

 Systems Analyst – University of Manitoba

Kevin McGregor

 Systems Specialist – City of Winnipeg

Katherine Scrupa

 Term project ending, please hire me?

Paul Sierks

 (details not available at press time)

Adam Thompson

Proprietor – CustomHosting.ca

Brad Vokey

Owner – Fortress Software

Wyatt Zacharias

Unix/Linux Administrator – Manitoba Blue Cross

Open Books by O'Reilly

O'Reilly has published a number of books with various forms of "open" copyright over the years. They have partnered with Creative Commons and the Internet Archive to solve the licensing and digitizing issues involved in posting the Open Books for readers.

The Internet Archive is scanning and hosting PDF versions of open books through the Library Project.

Some samples of the non-out-of-print titles:

- Ajax Design Patterns
- The Cathedral and the Bazaar
- CouchDB: The Definitive Guide
- Creating Applications with Mozilla
- DocBook: The Definitive Guide
- Embedding Perl in HTML with Mason
- Free as in Freedom
- Learning JavaScript Design Patterns
- Linux Device Drivers, 3rd Edition
- Managing Projects with GNU make, 3rd Edition
- MySQL Reference Manual
- OpenSources: Voices from the Open Source Revolution
- Producing Open Source Software: How to Run a Successful Free Software Project (Translations)
- Understanding Open Source and Free Software Licensing
- Practical mod_perl
- RESTful Web Services
- Version Control with Subversion, 2nd Edition
- We the Media

Check out their site for more titles.

`http://www.oreilly.com/openbook/`

> *Geordi,*
> *Data just impersonated the Captain and took over the ship. Who is in charge of information security? Is it me?*
> *Worf*
>
> *@WorfEmail 3 Nov 2015*

Distribution Release: Tails 2.6

This Debian-based privacy-oriented distribution is now at v2.6. "The Amnesic Incognito Live System" (Tails) allows the user to direct network traffic through the Tor network and provides a number of privacy utilities.

The Tor software has been updated to version 0.2.8.7 and the Tor Browser has been updated to version 6.0.5.

New features:

- address space layout randomization in the Linux kernel (improves protection from buffer overflow attacks)

- **rngd** (improves entropy of random number generator that depend on hardware)

Noteworthy:

- A problem with setting up GMail accounts has been fixed.

- "disable all networking" option has been improved.

Additional information on Tails 2.6 can be found in the project's release announcement. The i386 version is 1,113MB.

http://distrowatch.com

https://tails.boum.org/news/version_2.6/index.en.html

Sweden is Considering Fighting Disposable Devices

Marketing pushes the attitude of disposable goods, even when they're not that disposable. Sweden's ruling Social Democrat party and the Green party are pushing for a tax cut of 1/2 for repairs, and increasing taxes on repairable items. If successfully enacted, would be accompanied by a publicity campaign to encourage the public to repair products instead of replacing them.

http://www.osnews.com/story/29418/Sweden_may_fight_disposable_culture_with_tax_breaks_for_repairs

ungoogled-chromium removes Google from Chromium

Chromium is loaded with a number of features or background services that communicate with Google servers. The build process for Chromium calls Google's own high-level commands that invoke many scripts and utilities, some of which download and use pre-built binaries provided by Google. Even the final build output includes some pre-built binaries.

Ungoogled-chromium's config flags, patches, and scripts changes the install to:

- Disable or remove services and features that communicate with Google or weaken privacy
- Strip binaries from the source tree, and use those provided by the system or build them from source
- Add, modify, or disable features that inhibit control and transparency

https://github.com/Eloston/ungoogled-chromium

Another one Bites the Dust

MUUG Server Stats

Stats for September as of 2016-09-29 22:34:56

Overall Analyzed Requests

Total Requests	23555396
Failed Requests	0
Generation Time	265
Unique Visitors	978088

Unique Files	747526
Static Files	2733
Referrers	4610
Unique 404	21272
Bandwidth	157920.00 G

Unique Visitors Per Day (including spiders)

Visitors	%	Date	Bandwidth
37019	3.78%	29/Sep/2016	4573.68 GiB
37372	3.82%	28/Sep/2016	5323.77 GiB
43141	4.41%	27/Sep/2016	6080.34 GiB

Hits	%	Bandwidth	URL
1089490	4.63%	3.75 GiB	/mirror/fedora-epel/5/x86_64/
284284	1.21%	1002.34 MiB	/mirror/fedora-epel/5/i386/
255815	1.09%	1.04 GiB	/mirror/fedora-epel/6/x86_64/
250780	1.06%	460.05 MiB	/mirror/centos/5.11/updates/x86_64/
215873	0.92%	231.05MiB	/mirror/centos/5.11/os/x86_64/
213306	0.91%	430.87 MiB	/mirror/centos/5.11/extras/x86_64/

MUUG has gone social!

Twitter:
twitter.com/manitobaunix

Facebook:
facebook.com/ManitobaUnix

MeetUp:
meetup.com/Manitoba-UNIX-User-Group

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Book & User Group Discounts

O'Reilly, No Starch Press and Les.Net continue to offer discounts to MUUG members. Remember to take advantage when you're buying anything from them!

http://www.oreilly.com/
https://www.nostarch.com/

A big thanks to LES.net for providing MUUG with free hosting and all that bandwidth!

https://les.net/