

MUUGLines

The Manitoba UNIX User Group Newsletter

Volume 28 No. 2, October 2015

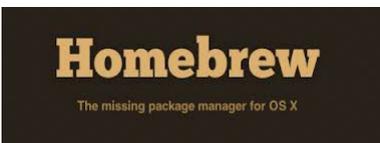
Editor: Trevor Cordes

**Next Meeting: October 13th, 2015,
7:30 pm**

Main Topic

This month Adam Thompson and Wyatt Zacharias will be co-presenting. Adam will be talking about UNIX process accounting, focusing on the `lastcomm(1)` and `sa(8)` commands. Wyatt will then talk about managing logs using `crontail(1)`.

RTFM



In the RTFM segment this month, Rob Keizer will be showing us

Homebrew (`brew(1)`). Homebrew is the easiest and most flexible way to install the UNIX tools that Apple didn't include with OS X.

Door Prize



This month we will be giving away (among our other usual prizes) two tickets to **BSides Winnipeg 2015**.

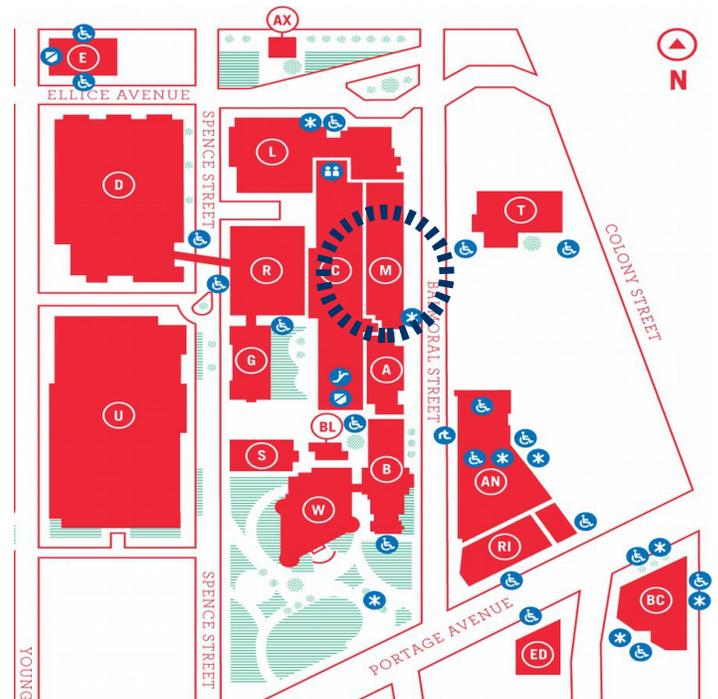
Security BSides is a global, non-profit organization that exists to facilitate the creation of local information security conferences. These conferences are ideally organized by locals, and feature local presenters. Unlike other conferences, BSides events are low-cost, relaxed, and inclusive and attempt to encourage interaction amongst organizers, speakers, and attendees.

BSides Winnipeg 2015 will take place on November 14th & 15th, 2015 at The King's Head Pub from Noon to 7pm. Cost is \$20 and comes with a meal each day.

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Where to Find the Meeting

Interim Location: Room 1M28



This month's meeting is on the east side of campus in room 1M28, Manitoba Hall, close to Balmoral Street. Look for a sign on the door. 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/>

O'Reilly Makes a Funny

From a recent O'Reilly Publishing email: "Start savin' on every pirate's favorite language: R".

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 2015 to November 2016. 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. 10 positions are currently filled, and as of writing, the following 9 members are allowing their names to stand for re-election:

Trevor Cordes

Owner – Tecnopolis Enterprises

Gilbert Detillieux

Systems Analyst – University of Manitoba

Robert Keizer

Owner – Argyle Machine

Kevin McGregor

Systems Specialist – City of Winnipeg

Katherine Scrupa

St. John's Ravenscourt School

Paul Sierks

(details not available at press time...)

Adam Thompson

Proprietor – CustomHosting.ca

Brad Vokey

Owner – Fortress Software

Wyatt Zacharias

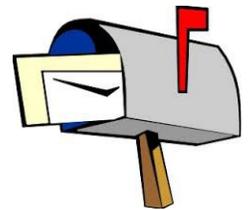
Unix/Linux Administrator – Manitoba Blue Cross

Notice of Motion: MUUG Bylaw Change

Please be advised that at this year's AGM, i.e. the November MUUG meeting, we will be voting to amend the MUUG Bylaws, to allow membership for those under 18 years of age. This is simply to reflect a current reality (since we've had members under the age of 18 before), and to remove a restriction which is no longer relevant. Exact wording of the motion will be published in the November newsletter, in advance of the meeting.

MUUG Has A New Mailing Address

After more than 27 years MUUG has finally decided that renting a PO BOX for our physical mail is no longer justified (sorry Canada Post). Our new mailing address is now:



Manitoba UNIX User Group
c/o Gilbert Detillieux
Computer Science, E2-445 EITC
University of Manitoba
Winnipeg MB R3T 2N2

MUUG Now Accepts PayPal

You can now pay your MUUG renewal membership dues online! MUUG has integrated PayPal into the MUUG membership website. What this means is that you can now renew from home using your credit card, debit card, bank account or PayPal balance. It's fast, and it's easy!

A PayPal account is not required. For those who do not yet have one, and don't want one, simply select the "buy as a guest" option when presented for login details. You can then use your debit or credit card directly. (Of course, those with a PayPal account will have less typing/clicking to perform.)

Here's how it will work. One month prior to your membership renewal anniversary, you will receive an email at the same time email newsletters are sent out. This will occur regardless of whether you have chosen to receive paper or email newsletters. The email will contain a renewal form as well as instruc-

tions for and a link to the MUUG secure online payment system. Click that link and follow the instructions.

Please note that the renewal URL link you receive by email is personalized and unique to your membership account. Please do not share it with others, as it will not work for them. Also, the link will expire before your renewal time for the following year, so bookmarking it isn't terribly useful. If you lose your personalized link, email a board member to send you a new one.

MUUG now has a real CA-signed SSL certificate, so you can rest assured your renewal information is safe. You will see the URL *muug.ca* in your browser's address bar. In addition, when you use PayPal, your financial information (such as credit card number) is never revealed to MUUG.

PayPal was chosen for MUUG's initial foray into online payments because of its near ubiquity, ability to take nearly every form of payment, rich APIs, and this programmer's familiarity with its systems. In the future more payment processing systems may be added.

If you need to make changes to your membership form details (address, etc.), and you renew online, you will have to email board@muug.mb.ca with the change details, or talk to a board member at a meeting. There is currently no way for a member to change their details himself.

MUUG will continue to accept all previously available methods of payment, including cheques by mail and in person, cash at meetings, and credit cards at meetings using Square.

For those who think about such things, here is a brief comment about fees. PayPal will take a small cut of your payment amount (paid for by MUUG; transparent to you the member). It is a bit more than the cut Square takes. And that is a bit more than the \$0 it costs us to deposit a cheque or cash. However, MUUG's main goal is to make renewing fast and easy, and as such we strongly encourage members to renew in the manner that suits them best. That is why we have broadened your options. MUUG partially measures its success by the number of members (and relies upon membership dues

financially), so all members are encouraged to remain MUUGers.

No Paper For the Paperless (Almost)

In conjunction with the changes enabling PayPal, MUUG has finally allowed members to (mostly) go paperless. If you have opted out of receiving paper newsletters, your first and second renewal notices will be sent to you via email only. No paper!

However, if you forget to renew and your membership lapses for a month, you will receive one final paper reminder via Canada Post. So save MUUG some postage, and a tree, and renew in a timely manner!

Multi-Year MUUG Renewals

Even better, you now have the option to renew your membership for multiple years using the online payment system. One of the first steps in the online renewal process is to select how many years for which to renew. Simply select your preference. The per-year cost remains the same. Renewing for multiple years can save you time. We encourage members who are so inclined to take advantage of multi-year renewals.

Intel 6th Generation Core Out

The 6th generation Core CPUs have hit the shelves. The socket has changed from 1150 to 1151. (Once again, sorry upgraders.) The chipset is now in the triple-digits: 1xx series (e.g. Z170). Most entry boards are using DDR3, but the mid- and high-end boards are using the new DDR4 at 2133MHz. It looks like DDR4 speeds will ramp up quickly over time (sans overclocking), as opposed to DDR3 which (sans o.c.) basically boiled down to 1333 and 1600.

The CPUs are fab'd with a 14nm process. Power efficiency and TDP are substantially better. Cache sizes and core counts remain mostly the same at the mid-end, at around the same price points. Clock speed is slightly slower for the same money. On-CPU graphics have greatly improved, and there are options for higher-end graphics called Intel Iris and Iris Pro. Full 4k support is here, as well as triple-monitor support. Pricing is currently only about 10-20% more than the previous generation, but will rapidly converge.

.sex gTLD Anyone?

Amongst the bizarre gTLD's coming this month are .sex and .lol. One must wonder, is hot.sex already taken? bad.sex? no.sex? rofl.lol? Where will the gTLD madness end?

IPv4 Exhausted At ARIN

September 24, 2015. No false alarm this time. ARIN, the organization that handles the pool of IP addresses for the USA and Canada, has run out of IPv4 addresses. Entities who want to obtain addresses must now go on a waiting list and hope for others to give up (or sell) theirs.

Of course, entities below ARIN (your ISP, for instance) may have a (vast) surplus of unused addresses, so can-kicking can continue for many more years to come. The end user is likely to see little change to their status quo for quite a while. Keep in mind, predictions of IPv4 doom have been bandied about since the early 90's, and none have come true.

Still, this is perhaps, finally, the beginning of the end for IPv4.

<http://tinyurl.com/psx48nh>

Lenovo Installs Malware Via UEFI

It has been reported that Lenovo purposely put a "rootkit-style" installer in their UEFI BIOS which would ensure that a certain questionable program is installed in Windows, even if you scrub your drive and install Windows from a clean source. Apparently Lenovo has released a fix and ceased including this malware on computers made after June 2015. If you bought a Lenovo in the past year or so, you might want to check that your model isn't affected. On the bright side, Linux/BSD is almost certainly not affected. On the down side, yet another reason to be wary of UEFI.

<http://tinyurl.com/qxqmf9>

<http://tinyurl.com/ofdlx44>

Free O'Reilly EBook

As MUUG delves into a revamp of its "static" web pages, a timely overview of *Static Site Generators*

was just released by O'Reilly. Best of all, it's free! (Must provide your name/email.) Learn why you'd want to use static content, and what tools are available to help you.

<http://tinyurl.com/nwe9dfv>

Typewriter as a USB Keyboard

A hardware hacker with too much time on his hands has turned a **mechanical** typewriter into a USB keyboard. Some switches, electronics, and a Raspberry Pi are all it took. Pictures and video at the link.

<http://tinyurl.com/nm82dfm>

Jankyscroll.js: Annoy Your Users

"A Javascript scrolling plugin that doesn't need to exist." A scroll-jacker from the ninth circle. Randomized glitches while you use your scrollwheel on a web page. Give it a try (with js enabled).

<http://tinyurl.com/q6jsegs>

MUUG has gone social!

For better or worse, you can now find (and follow!) MUUG on some social platforms. Get interactive and share all about MUUG on social media.



Twitter:

twitter.com/manitobaunix



Facebook:

facebook.com/ManitobaUnix



MeetUp:

meetup.com/Manitoba-UNIX-User-Group

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