MUUGLines

The Manitoba UNIX User Group Newsletter

Volume 33 No. 3, November 2020 Editor: Troy Denton, P.Eng

Next Meeting: November 10th, 2020

Feature Presentation: mkbgpmap

Adam Thompson will present on the mkbgpmap utility. This tool creates a map showing the BGP relationships between Manitoba ASNs. Adam was the original author of this tool, and released it into the public domain in 2019. You can find mkbgpmap at https://github.com/mbnog/mkbgpmap.

Annual General Meeting

As our next meeting is the November meeting, it also serves as MUUG's Annual General Meeting. See the "2020-2021 MUUG Board Elections" article in this newsletter for more detail.

The latest meeting details are always at:

https://muug.ca/meetings

Where to Find the Meeting:

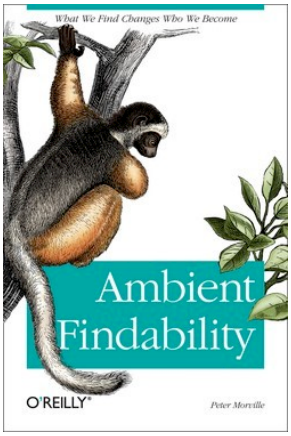
jitsi.merlin.mb.ca/muug.2020.11

This month (just like last month) we are using our own online Jitsi meeting server hosted by merlin.mb.ca . The virtual meeting room will be open around 7:00 pm on November 10th, with the actual meeting starting at 7:30 pm. You do not need to install any special app or software to use Jitsi: you can use it via any modern webcam-enabled browser by going to the aforementioned link. Thank you MERLIN (the Manitoba Education Research and Learning Information Networks) for providing the hosting and bandwidth for our meetings.

Door Prizes

This month we have a timeless (and hardcopy!) addition to our selection of door prizes: *Ambient Findability*, by Peter Morville [O'Reilly 2005]

A description from the publisher:



How do you find your way in an age of information overload? How can you filter streams of complex information to pull out only what you want? Why does it matter how information is structured when Google seems to magically bring up the right answer to your questions? What does it mean to be "findable" in this day and age? This eye-opening new book examines the convergence of information and connectivity.

Join us at our meeting, and perhaps you will *ambiently find* yourself the proud new owner of this classic title!

www.oreilly.com/library/view/ambient-findability/0596007655/

2020-2021 MUUG Board Elections

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 ten (10) people. Those elected will serve on the MUUG board from November 2020 to November 2021. 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. It requires attending the additional ten board meetings each fiscal year. All members are encouraged to apply. The following 10 individuals are up for election, in order alphabetically (last name). *Election will be by acclamation if the number of members running is not greater than the number of available board positions.*

The first listed nominee, Alberto, is a nominee allowing his name to stand for election for the first time.

Alberto Abrao

Alberto Abrao (BBA) started his journey with FOSS in 1997, when he first installed Slackware on his computer. He quickly seized the power bestowed upon him, and embarked on a quest to extract the most out of any tech that ended up in his possession, and helping others get the most out of their tech as well. He also likes to fix things around the house and is always on the lookout for a mint 2000-2004 Ford Focus with a manual transmission to wrench on. He is a newcomer who found in Winnipeg a place to call home, and on MUUG a place to exchange knowledge and experiences.

The following members are currently on the board and are entering their names for re-election.

Trevor Cordes

Owner, Tecnopolis Enterprises

Trevor Cordes (B.Sc. CompSci) has owned and operated Tecnopolis Enterprises – a computer VAR, programming and consultancy company – since 1999. Linux and FOSS have been the keystone of Tecnopolis since inception. Since becoming a family man, he has shifted his primary focus to e-commerce development and operation. Trevor was President of the Atari ST User's Group for four years in the '90s. He prefers Fedora and Perl.

Troy Denton

Senior Telecom Engineer, 24-7 Intouch

Troy Denton (P.Eng) is a Senior Telecom Engineer and general Linux geek at 24-7 Intouch. Troy has worked in a variety of fields in his career, including agricultural robotics, embedded systems, *nix systems administration, medical device engineering, and telephony. He has historically been an active volunteer with Skullspace, IEEE Winnipeg, and the Millennium Library. Troy enjoys using Linux and open source software both professionally and personally, with his distro of choice being Debian. Using Linux for circuit board design, music production, software development, and 3d printing makes him feel warm and fuzzy inside. You can see a number of his projects at https://troydenton.ca.

Gilbert Detillieux

Systems Analyst, University of Manitoba

Gilbert Detillieux has been working with UNIX as a programmer, system administrator, and trainer since 1980. He worked as a computer consultant specializing in UNIX, from 1983 to 1989, and is currently working as a Systems Analyst for the University of Manitoba's Department of Computer Science, where's he's worked since 1989, installing, supporting and upgrading the department's network and UNIX server infrastructure. He was co-founder and past president of the Technical UNIX User Group (now MUUG), and has been an active member of the MUUG board ever since.

Kevin McGregor

Systems Administrator, City of Winnipeg

Kevin McGregor provides server, platform and infrastructure support in the City of Winnipeg's Information Systems Department. After having briefly used UTS on an Amdahl mainframe in university in the mid-80s, he dabbled in Coherent and then converted to Linux and OpenBSD. He has been a member of MUUG since the early 90s, edited the group's newsletter for a number of years, presented various topics at MUUG meetings and has served on the board for the majority of his membership.

Katherine Scrupa

LAN Administrator II, Steinbach Credit Union

Katherine has been a member of MUUG since 2006, during which she has been using Linux at home. Her educational pursuits in Computer Science led her to a Network Technology CCNA (Hons.) program at Red River College in 2010, with an emphasis on networking and system administration. Katherine's

current work comprises of root cause analysis, configuration management, automation, and security.

Adam Thompson

Consultant, Infrastructure Technologies, MERLIN

Adam runs the 2nd-largest ISP in the province… 2nd-largest between the hours of M-F 8:30am4:00pm, that is. While principally responsible for the large network and interfacing with other carriers, Adam has secondary responsibility for all the UNIX systems at MERLIN. He has a long and storied history of UNIX usage dating back to 1988 (playing Hack on the QNX BBS!), and he learned Solaris 4.x instead of completing his engineering degree, which he considers a pretty good exchange.

Tyhr Trubiak

Systems Administraor, AFNcloud

Tyhr Trubiak has been a member of MUUG since 2013. He manages linux and Windows servers. His first exposure to UNIX was when he received his B.Sc. CompSci at the University of Manitoba, which he found similar to his first love - the Commodore Amiga. He was an ASP web developer back in the early days. He has enjoyed 2D node-based digital compositing with Blackmagic Fusion, acting, fitness, downhill skiing and anything Jeep related.

Brad Vokey

Owner, Fortress Software

Brad is the owner of Fortress Software Inc. And the creator of the Matchmaker Fundraiser (aka “Matchomatics” - a fundraiser that provides compatibility lists for millions of students across Canada and the US). Brad started the company in 1985 using Apple][computers and 6502 machine language. Then switched to 68000 machine language on Atari ST computers in 1986 and then to C on Atari TT030 computers soon after. The original C program and Atari TT030 computers are still very much alive and in use to this day! In 2004, Brad started using Linux on Tecnopolis servers, and joined MUUG in 2006. He previously served on the board of the Atari ST Users Group (STUG) and became a board member of MUUG in 2011. He has been keeping our finances in order as your MUUG treasurer since 2013.

Wyatt Zacharias

Senior Cloud Developer – Wawanesa Insurance

Wyatt Zacharias is a Senior Cloud Developer at Wawanesa Insurance. Previously, Wyatt worked at Manitoba Blue Cross, managing a mix of RedHat, CentOS, and HP-UX servers, and a mix of network equipment including Checkpoint and Fortigate firewalls, and Cisco routers and switches. Wyatt has been president of MUUG for the previous five years, and served as vice-president the year before that. Wyatt Graduated from Red River College in 2014, and is a RedHat certified engineer.

Spotted in the Wild

October 2020 has seen a number of exciting releases in popular *nix distributions!

OS Releases Allegedly Spotted at Assiniboine Park Zoo (Artist's Impression)

32 Hats: Not Enough

On October 27, Fedora Magazine announced the release of Fedora 33. Interesting notes about this release include:

- BTRFS as the default filesystem for Fedora Workstation edition
- *nano* is now the default editor

- GNOME 3.38 is the default DE
- Amazon's AWS Marketplace will now feature Fedora Cloud Base Image and Fedora CoreOS

See the official announcment for more detail at:

https://fedoramagazine.org/announcing-fedora-33/

Gorilla on the Loose

Canonical ltd. has released Ubuntu 20.10, codenamed "Groovy Gorilla"

Notable features of the interim release include:

- ZFS is no longer "experimental"
- GNOME 3.38
- nftables is now the default firewall backend
- The Raspberry Pi 4 is now a "first class citizen" for the popular distro

For further information, see the release notes at

https://discourse.ubuntu.com/t/groovy-gorilla-release-notes/15533

Puffy Ported to POWER9

OpenBSD 6.8 was released on the project's 25th birthday. Notable features include:

- New OpenBSD/powerpc64 architecture, which runs on the POWER9 family of processors
- In-kernel driver for WireGuard VPN
- login_ldap functionality added to base install
- Network stack improvements, and wireless driver additions/improvements

Check out the official release page for more details:

https://www.openbsd.org/68.html

RIAA targets Open Source Project

The Recording Industry Association of America (RIAA) has stirred up the open source community by issuing a DMCA takedown notice for the popular github-hosted project, *youtube-dl*. Github has complied with the request, but has also offered assistance navigating DMCA processes to the project developers.

While their github repository is currently unavailable, the Youtube-dl software is still available via their project homepage:

https://youtube-dl.org/

AMD to acquire Xilinx

Advanced Micro Devices (AMD) will soon acquire FPGA manufacturer Xilinx. This move benefits AMD by complementing their competitive processor products with the adaptive computing capabilities that Xilinx has been bringing to data centers.

It is interesting to note that Intel acquired Xilinx competitor Altera in 2015. 2020 has shaped up to be a transformative year for AMD!

https://ir.amd.com/news-events/press-releases/detail/977/amd-to-acquire-xilinx-creating-the-industrys-high

CUPS Lead Dev Leaves Apple

osnews.com reports that lead CUPS developer Michael Sweet has left Apple Inc. The CUPS project has been under the Apple umbrella since 2007.

While this appears to be a stagnation of the current Apple-hosted version of CUPS, *osnews* reports that Sweet and others are still working on a fork of CUPS with the OpenPrinting organization.

https://www.osnews.com/story/132476/apples-cups-repository-has-died-a-quiet-death/

https://openprinting.github.io/

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https://les.net/

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You must use the following referral link for MUUG to receive the credit:

https://squareup.com/i/MANITOBAU1

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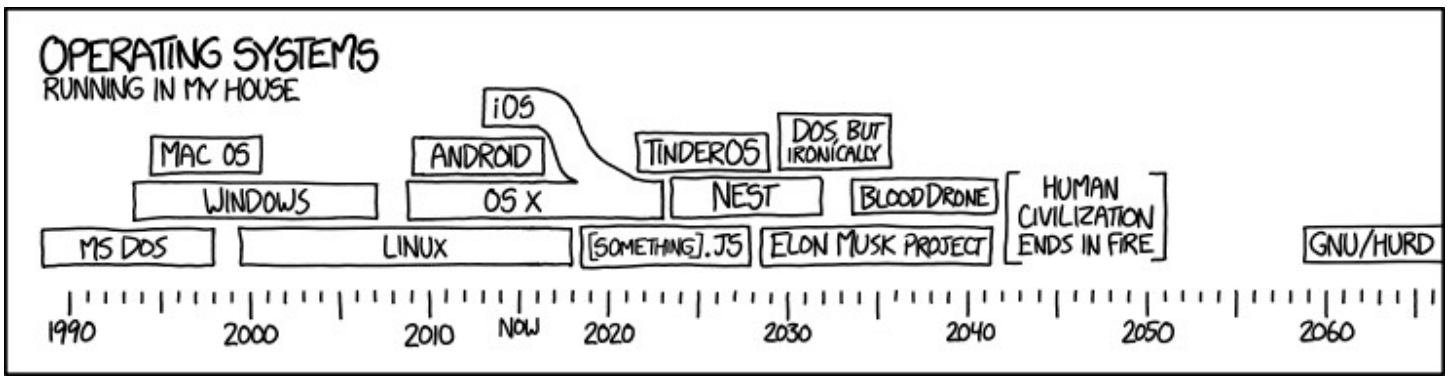

https://xkcd.com/1508/ - *Reproduced with permission*