MUUGLines

The Manitoba UNIX User Group Newsletter

Volume 34 No. 3, November 2021 Editor: Katherine Scrupa

Next Meeting: November 9th, 2021 (Online Video Meeting)

Jitsi setup on AWS - Wyatt
BBB setup on OVH - Adam

This month, Wyatt Zacharias and Adam Thompson will be demonstrating setting up two different video-conferencing solutions on two different hosting platforms. MUUG has been using Jitsi for its own meetings over the last year, and tried out Big Blue Button for last month's meeting.

Where to Find the Meeting:

We will be using Big Blue Button for the meeting again. We recommend joining the meeting a little early to familiarize yourself with the new controls. Please visit the MUUG meetings page for the meeting link, and a guide for connecting.

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

The November meeting will once again be BYODAS (bring your own drinks and snacks), as we have not yet perfected the technology to deliver goodies through the ether.

Door Prizes

This month we have two ebooks up for grabs. We recently obtained new titles from O'Reilly focusing on Infrastructure and Operations!

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 2021 to November 2022. 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 following members are currently on the board and are entering their names for re-election.

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.

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 currentlyworking 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

Systems and Network Administrator, 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, and a GIAC GCWN in 2019, and presented at The Long Con with the talk "*Rad Omens: The Good and Evil Uses of WMI, CIM*". Katherine's current work comprises of root cause analysis, configuration management, automation, and security. She is currently pursuing her CISSP.

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.

nginx PlayGround

Test nginx configs on (someone else's) web page! Julia Evans also has a writeup of how she put this playground together, and links to other playgrounds (SQLLite queries with sample data, CSS, etc.).

https://jvns.ca/blog/2021/09/24/new-tool--an-nginx-playground/

MakerBot Thingiverse Accounts Compromised

A popular site for 3d printing schematics had a backup file dumped on a hacking forum, and has been circulating recently. The data includes 228,000 accounts and seems to originate from October 2020. In addition to email addresses, personal data such as names and birthdates were also included in the dump. Passwords dumped were unsalted SHA-1 or bcrypt password hashes (trivial to convert to plaintext). Update your passwords to a unique one!

https://twitter.com/haveibeenpwned/status/1448592087687983107

https://www.databreachtoday.com/thingiverse-data-leak-affects-25-million-subscribers-a-17729

Sysmon for Linux Now Available

Windows admins may be familiar with Sysinternals tools, one of which is Sysmon. System Monitor (Sysmon) is a Windows system service and device driver that, once installed on a system, remains resident across system reboots to monitor and log system activity to the Windows event log. It provides detailed information about process creations, network connections, and changes to file creation time that is often using in conjunction with a SIEM.

Sysmon for Linux is now available on GitHub.

https://docs.microsoft.com/en-us/sysinternals/downloads/sysmon

https://github.com/Sysinternals/Sysmon-ForLinux

Customer Sues Brussels Bank for Unsupported Diacritics in His Name, Wins

The bank explained that its current customer data management application launched in 1995 and is running on a US mainframe system. This system only supports EBCDIC, which does not support diacritics (characters with accents or cedillas above or below a character).

Under GDPR, names are personal data, and GDPR says it should be recorded accurately.

https://gdprhub.eu/index.php?title=Court_of_Appeal_of_Brussels_-_2019/AR/1006

Help us promote this month's meeting, by putting this poster up on your workplace bulletin board or other suitable public message board:

https://muug.ca/meetings/MUUGmeeting.pdf

A big thanks to Les.net for providing MUUG with free hosting and all that bandwidth! Les.net (1996) Inc. is a local provider of VoIP, Internet and Data Centre services. Contact **sales@les.net** by email, or +1 (204) 944-0009 by phone.

Thank You Michael W. Lucas

MUUG would like to thank Michael W. Lucas for donating one of his ebooks every month as a door prize.

Tilted Windmill Press

You can view and purchase his tech books here:
https://www.tiltedwindmillpress.com/product-category/tech/

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Xkcd 2531: Dark Arts

You think, 'okay, THIS is an ideal use case for hardlinks!' but then 6 months later you're doing some extremely cursed Google search like 'javascript ext4' and wondering where things went wrong.

https://xkcd.com/2531/