MUUGLines

The Manitoba UNIX User Group Newsletter

Volume 38 No. 3, September 2025 Editor: Trevor E Cordes

Next Meeting: Annual General Meeting and Elections, November 4th, 2025 7:30pm

In Person and Online

Main Presentation – Two /bin Dives

We are keeping it simple and interactive this month: a double /bin dive. Trevor Cordes will be walking us through the fun.

/bin diving is a segment where we select a command at random on the spot and everyone gets to work out what it does and what it's good for. Collaboration and improv at its finest. It always ends up being interesting and you're guaranteed to learn something new.

Where to Find the Meeting

MUUG has moved to a new location to start the 2025-2026 season. Winnipeg Senior Citizens Radio Club (WSC) has graciously offered to host MUUG meetings going forward. Several current and past MUUG members are also members of WSC. MUUG President Wyatt Zacharias will be our WSC liaison and duty officer.

WSC is located at 598 St. Mary's Road, 2nd Floor, a block South from the St. Mary's / St. Anne's fork, on the West side beside the Miller's Meats. It's in the old fire hall, so you really can't miss it! Look for the red doors.

The meeting space is on the 2nd floor and there is no elevator, so attendees will have to be able to climb a pretty big flight of stairs. Apologies to anyone requiring accessibility. It is also possible to attend via online videoconferencing (see below).

There are a limited number of parking spaces for WSC around the building. If you arrive early you'll probably snag one. If not, there is parking available on the nearby streets, such as Mager Dr, or the streets off of St. Mary's such as Blenheim or Clonard Ave. Be careful not to park in nearby private parking lots unless otherwise indicated.

Meetings are on the first Tuesday of every month except July & August. You can attend in person or online via our MUUG videoconferencing system.

Beverages and cookies or treats will be provided.

Doors will open by 7:15pm. Meeting starts at 7:30pm, and usually adjourns between 9:00pm and 10:00pm.

To attend online, check and refresh the following link after 7:15pm. There is no need to create an account in BBB, nor login. Just enter any name as your screen name and hit **join**.

`https://muug.ca/meet`

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

Door Prizes: Two Linux Mags!

An unused July issue was found, and the November issue arrived, so we will be giving away two Linux Magazines this month. So far they seem to be a big hit with members!

There is also the usual selection of e-books you can choose from. There may be new Raspberry Pi titles this month.

And, as usual, one lucky winner can select an e-book graciously donated by Michael W. Lucas of Tilted Windmill Press (see advertisement on last page).

Everyone is encouraged to enter the door prize draw: both in-person and virtual attendees. You don't have to be a member to enter, but members have exclusive access to the first draw. Members also get the privilege of not having to be present (physically or virtually) for the draw in order to claim their non-physical prize. However, physical prizes can only be selected by in-person attendees. If you attend online you'll have to select from one of the e-books if you win a door prize.

2025-2026 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 2025 to November 2026. Any MUUG member in good standing may nominate any member 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 via an additional meeting each month that is limited to board members; group promotion and outreach; newsletter writing; and presentations. It's fun, it's social, and you get a role in deciding what the group will do.

The election this year will be by acclamation as there are more positions than nominees. See MUUG By-law 5.(c) and 10.(d).

The following members are currently on the board and are entering their names for re-election (alphabetically by last name):

Kevin Abedi

Tech Wiz At Large

Kevin started working with computers at a young age and by shunning people aside, become the tech wiz of the family. A traitorous Windows user, he has infiltrated MUUG in order to learn more about the secrets of UNIX. Interests includes automation, IoT and quality of life tooling.

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, Perl and PHP.

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 an Information Technologist 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 Specialist, 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.

Tyhr Trubiak

Web Developer, BMC

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

Lead Cloud Developer, Wawanesa Insurance

Wyatt Zacharias has been a member of MUUG since 2011, and president of MUUG since 2014. During the day, he works as Lead Cloud Developer at Wawanesa Insurance, where he manages an assortment of virtual Linux servers in AWS, and various serverless cloud solutions. In previous roles, he has worked with RedHat, SuSE, and HP-UX. Wyatt prefers to run Fedora, as well as Raspbian on the many Raspberry Pi's he owns. He is a licensed amateur radio operator and enjoys experimenting with open source software for radio communication. Wyatt graduated from Red River College in 2014, and has certifications from AWS and RedHat.

Thank you to **Alberto Abrao** for his service the last few years, as he will not be returning as a board member this year.

Fedora 43 Arrives

Hot off the press, Fedora has launched version 43. This is the first release under the direction of new Fedora Project Leader Jef Spaleta, who says:

> *I was thinking about proposing special tetracontakaitrigon stickers to celebrate this release, but I'm not sure anyone would notice they weren't circles.*

If you are using the GNOME desktop, F43 is Wayland-only. If you want to keep using X11, as any sane power user should ;-), you'll have to pick a non-GNOME Fedora Spin (also as any sane power user should!).

This version also sees a new Anaconda WebUI installer, for those doing a fresh install. Why the installer has to change every 3-4 versions is beyond me, but if the programmers want to waste all of their time on something most of us will only see once per box, be my guest!

Fedora also introduces RPM 6.0, which provides new features such as multiple key signing and OpenPGP v6 key support. Anaconda will not install in MBR on a UEFI system: you must now use GPT – but this won't affect existing systems being upgraded, nor boxes older than UEFI. Anaconda will also now use DNF5 for increased speed.

Fedora Modularity is now completely dead and absent from Anaconda – no one will miss it. /boot partitions will now default to 2GB, meaning more fun and interesting gparted sessions await existing users in the near future – or reducing installonly_limit in dnf.conf.

Intel Xeon users can now use Intel TDX to launch confidential VMs, bringing Intel users up to the same level as AMD SEV-SNP technology. Dovecot gets bumped to 2.4 after 7 years of (not much) development – but there may be non-backwards compatible configuration changes so check the docs.

initrd will now be compressed with zstd instead of xz by default. This should make the image sizes smaller and make loading slightly faster. And GnuPG2 has been made modular.

gdk-pixbuf2 will use a Glycin sandbox for image loading, providing extra security. Image libraries get updated often due to new security holes, so this should help reduce zero day exposure.

The GNU toolchain gets bumped up to: gcc 15.2, binutils 2.45, glibc 2.42, gdb 16.3. This should make devs who want/need to be on the cutting edge happy. Golang goes to 1.25. LLVM to 21, Ruby on Rails to 8.0, Tomcat 10.1, and Java 43.

Perl gets bumped to 5.42, introducing *any* and *all* ops, lexical methods, source::encoding. smartmatch and switch are back from the dead if you use a specific feature flag – and Brad rejoices. tr op gets performance enhancements. Unicode support is bumped to 16.0. And the usual slew of bugfixes.

Hare support is new. No, not Fedora for cute little bunnies, but a new systems programming language that is simple, stable, and robust. It's designed for writing OS's, system tools, compilers, and other low-level things... Because everyone was sitting there saying "you know what we really need? another systems language".

RT ticket system users need to know that Maven has been bumped from v3 to 4 after 15 years, but Fedora is making it so both can be installed.

"You just wasted my time because I don't use Fedora!" – Don't despair, all of the above changes are coming to your Glacial-Pace Distro (TM) in the next months... years... decades.

https://fedoramagazine.org/announcing-fedora-linux-43/

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.

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

Thanks to Linux Mag for providing MUUG a half price magazine subscription for our door prizes.

Linux Magazine is your guide to the world of Linux and open source. Each monthly issue includes advanced technical information you won't find anywhere else including tutorials, in-depth articles on trending topics, troubleshooting and optimization tips, and more! Subscribe to their free newsletters and get news and articles in your inbox.

https://www.linux-magazine.com/

MUUG would like to thank Michael W. Lucas for donating one of his ebooks every month as a door prize. You can view and purchase his tech books here:

https://www.tiltedwindmillpress.com/product-category/tech/

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