# MUUGLines

The Manitoba UNIX User Group Newsletter

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## Next Meeting: November 8th, 2022 (Online Video Meeting)

**Mini-Presentation: MediaWiki Backups**

Kevin McGregor will present one possible way to back up and restore a MediaWiki site using common Unix and Linux tools for local use or disaster recovery.

**RTFM: micro(1)**

Brad Vokey will give us a quick demo of micro. Micro is a terminal-based text editor that aims to be easy to use and intuitive, while also taking advantage of the full capabilities of modern terminals.

As the name indicates, micro aims to be somewhat of a successor to the nano editor by being easy to install and use, but also aims to be enjoyable to use right from the start, with modern universal keyboard shortcuts (Ctrl-S, Ctrl-C, Ctrl-V, Ctrl-Z etc.).

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

## Where to Find the Meeting:

Note: The meeting is a little early this month due to the month starting on a Tuesday.

Meetings are still virtual, online video meetings using the open source meeting software Big Blue Button. If you haven't tried it yet, we recommend joining the meeting a little early to familiarize yourself with the controls.

The virtual meeting room will be open by around 7:00 pm on the day of the meeting, with the actual meeting starting at 7:30 pm. You do not need to install any special app or software to use Big Blue Button: you can use it via any modern web-cam-enabled browser by going to the website link above.

Please note that the meeting link will not be active until approximately 30 minutes before the actually meeting date and time. If you access the page beforehand, click your browser's reload button after 7:00 pm to get into the meeting.

## Door Prizes

Even more new titles will be added to the list of e-book choices this month. Make sure you attend the meeting and sign up! Entry is free to all attendees, though the first draw is reserved for members. Other special perks are given to members, so consider joining MUUG today: it's only $20 a year!

## 2022-2023 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 2022 to November 2023. 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. The following 8 individuals are up for election, in order alphabetically (last name). 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.*

### 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, 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 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.

### 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.

*The following member is nominated for the first time.*

### Chris Audet

Chris Audet joined MUUG in January 2021, and has been working as technologist and sysadmin in some capacity since 2014. Mostly administering Windows networks but recently a bunch of RedHat.

Interests include automating repetitive tasks, learning about new software in the lab, public speaking, and exploring the squishy places where technology and society meet. This had led into trying to learn more about local organizations like MUUG, which has been a ton of fun.

Thank you for supporting the user group! Let's keep working hard to help our workplaces and communities with friendly, and useful technologies.

*The following board members have chosen to decline renomination. We thank these past board members for their long service and contributions to the User Group including, but not limited to, countless presentations and newsletters.*

### Adam Thompson

Adam joined the board in 2003 after being a member for around 9 years (no one can quite remember that far back). He has served as MUUG President.

### Katherine Scrupa

Katherine joined the board in 2010 after being a member for 4 years. She has served as both MUUG President and Vice-president.

### Troy Denton

Troy joined the board in 2019 after being a member for one year.

## OpenBSD 7.2 Arrives

*October 20, 2022* - The latest version adds and improves hardware support, including for the Apple M2 and ThinkPad x13s et al that use the Snapdragon 8cxG3.

Other improvements include new features for ddb, cool yet obscure tweaks for consoles, SMP, VMM/VMD and fdisk improvements, and some cruft removal.

LibreSSL has been upgraded to v3.6.0 with a plethora of changes, and OpenSSH goes to v9.1. The total number of changes is mammoth.

https://marc.info/?l=openbsd-announce&m=166627392720815&w=2

## Linux 6.0 Arrives

*October 2, 2022* - As of git commit 4fe89d07d Linux v6.0 is here. Funny, but the improvement list reads much like the OpenBSD one above with the new hardware list being virtually identical. But Linux goes further with new/better support for AMD's Threadripper and Epyc, as well as 4th gen Xeons. And AMD chips should feel a little faster with the long-present AMD slowdown quirk patched away.

SMB3 is now supported, and SMB1 is further deprecated. This author gets more irate by the minute as it continues to get harder to communicate with his mini-ITX EAC CD ripper box running WindowsXP (still the top OS/app combo for audio ripping). Sigh.

A new "guest vCPU stall detector" can tell you if/when a VM is frozen. Fedora 35+ users already have access to Linux 6 with dnf update.

As an ex 9-year member of the defunct STUG, the Atari ST club, this author is heartened to see this footnote in the ArsTechnica press release:

> *It must be noted that in 2022, there are patches in Linux 6.0 to help Atari's Falcon computers from the early 1990s (or their emulated descendants) better handle VGA modes, color, and other issues.*

Take that Amiga! ;-)

https://arstechnica.com/gadgets/2022/10/linux-6-0-arrives-with-support-for-newer-chips-core-fixes-and-oddities/

## Take That, Pi!

Pine64 is coming out with a "sub $10 Linux-capable single board computer" dubbed "Ox64". This tiny beast is a dual-core RISC-V CPU with 64MB embedded RAM and support for 128MB of flash, plus a microSD card.

It is in a breadboard-friendly form factor and includes 3-radio RF for Wifi, BT and Zigbee. Crazy!

https://news.slashdot.org/story/22/10/15/2314226/pine64-announces-sub-10-linux-capable-sbc---the-ox64

**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

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/

## MariaDB Goes All Perl-y!

Sort of. Recent versions of MariaDB 10+ now include Perl Compatible Regular Expression (PCRE) support! Forget all your pre-PCRE syntaxes once and for all. One syntax to rule them all.

REGEXP_SUBSTR is like m// and $& in perl. REGEXP_REPLACE is s///. REGEXP_INSTR tells you the character position of the match (great for match exists / not-exists logic).

If your Maria was new enough and was compiled with the PCRE option, you already have this. The default Fedora rpm has it enabled.

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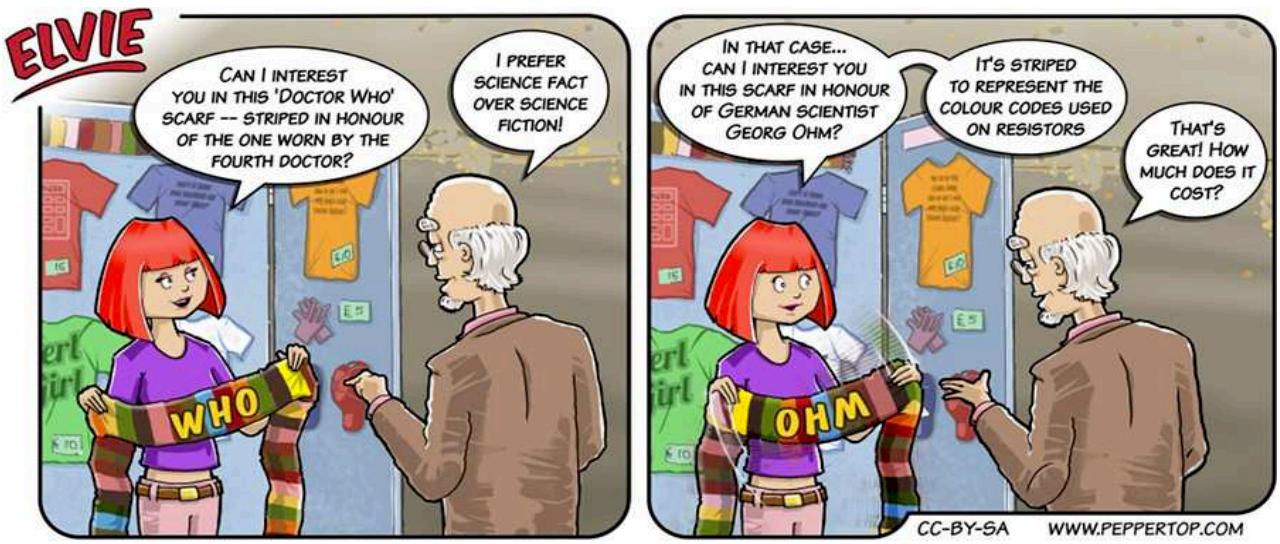
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