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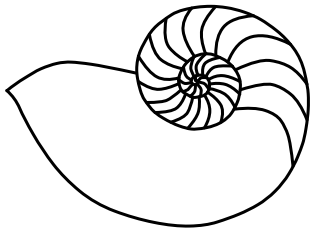

MUUGlines

The Manitoba UNIX User Group Newsletter

Dates To Watch

Regular Meeting	Oct 14
Roundtable Meeting	Oct 23
Revolution OS	Oct 27-30

Modern Unix Printing

This month, Adam Thompson gives us a look at printing under UNIX with the popular CUPS and LPRng systems. LPRng re-implements the traditional UNIX printing model, adding support for modern features. CUPS targets the much newer Internet Printing Protocol, but provides a traditional user interface for UNIX users. He'll provide some insight into the confusing variety of printer drivers that exist on Linux today. Time permitting, demonstrations will include setting up a printer and printing across a network.

Where To Find The Meeting

Meetings are held at the IBM offices at 400 Ellice Ave. (between Edmonton and Kennedy). When you arrive, you will have to sign in at the reception desk, and then wait for someone to take you (in groups) to the meeting room. Please try to arrive by about 7:15 PM, so the meeting can start promptly at 7:30 PM. Don't be late, or you may not get in.

Limited parking is available for free on the street, or in a lot across Ellice from IBM, for $1.00 for the evening. Indoor parking is also available nearby, at Portage Place, for $2.00 for the evening.

Election Corner

Sean Walberg, MUUG Election Coordinator

At the October 2003 meeting, there will be an election to determine the membership of MUUG's board of directors. As there are eight vacancies and five nominees, all candidates will be elected by acclamation.

Below is a short biography of each nominee. Congratulations to the new board!

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. He 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. He also contributed to the implementation of the initial MUUG Online system, in 1992, which he's since maintained through two complete upgrades and numerous revisions over the years.

Kevin McGregor, Network Analyst, City of Winnipeg

Kevin McGregor provides network administration and system support services for the City of Winnipeg. After having briefly used UTS on an Amdahl mainframe in university in the mid-80s, he dabbled in Coherent and then converted to Linux (Slackware!). Since then, he has extended his range to OpenBSD, and Debian and Red Hat distributions of Linux. He has been a member of MUUG since the early 90s and has served on the board for the majority of that time. Kevin is the editor of MUUG Lines, the group's newsletter.

Doug Shewfelt, Systems Specialist, City of Winnipeg

Doug Shewfelt first encountered UNIX in 1980 at the University of Manitoba. He has been worked in various IT positions for the City of Winnipeg since 1985, and currently supports the City's corporate financial systems. He has been a member of the MUUG board for the past several years.

Adam Thompson, Consultant, athompso.net

Adam has over 15 years' experience in the IT field, ranging from Programmer to System Administrator to Chief Technology Officer. He currently teaches a variety of IT courses and provides consulting services to clients.

Shawn Wallbridge, System Administrator, Frantic Films
Shawn Wallbridge discovered Linux in 1996 while at Red River College. Over the years he has used Unix wherever possible for various functions. He is currently the Systems Administrator for Frantic Films and runs a Web hosting company in his spare time. He runs seven different versions of Unix at home. He has been a MUUG member for several years and has done numerous presentations for MUUG.

The Fedora Project

The Fedora Project is a Red-Hat-sponsored and community-supported open source project. It is also a proving ground for new technology that may eventually make its way into Red Hat products. It is not a supported product of Red Hat, Inc.

The goal of The Fedora Project is to work with the Linux community to build a complete, general purpose operating system exclusively from free software (*which is something never attempted before *cough*Debian*cough* - Ed.*). Development will be done in a public forum. The project will produce time-based releases of Fedora Core about 2-3 times a year with a public release schedule. The Red Hat engineering team will continue to participate in the building of Fedora Core and will invite and encourage more outside participation than was possible in Red Hat Linux. By using this more open process, they hope to provide an operating system that uses free software development practices and is more appealing to the open source community.

According to the posted schedule, the "test 2" release of the Fedora core is due on September 25. There is a third test release planned for October 13, and the final release should be out on November 3. Then work begins on "Fedora Core 2", which will be, with luck, based on the 2.6 kernel.

The Fedora Project announced 'Severn', the project's latest beta release in verse:

We're tired, we're droopy
We're all a little loopy
A Fedora Core Test Release
Is invading your PC!

New features - interesting!
The code could use some testing
That's why we are requesting
new bug reports quickly!

On our ftp site is the place where you will see
The stuff that we've been working on since 1993!
We're tired, we're droopy
We're all a little loopy
It's a Fedora Core Test Release
Come and join the fun!
(And now our song is done.)

Yes, it's an update of SEVERN, the Fedora Core test release. As always, test releases are not intended for use on production environments. Use of test releases in production environments could lead to disastrous results, such as spontaneous musical theatre from your engineers. Be afraid.

For more information about Fedora, see http://fedora.redhat.com/.

Revolution OS

On June 1, 2001, Microsoft CEO Steve Ballmer said, "Linux is a cancer that attaches itself in an intellectual property sense to everything it touches."

Cinematheque is pleased to present an exclusive engagement of REVOLUTION OS (October 27-30 at 7:00pm).

For the past two decades, a loosely organized group of hackers, neo-communists and entrepreneurs has led the charge in a technological revolution that is undermining Microsoft's monopoly and fundamentally changing the way software is developed and owned. REVOLUTION OS explores the inside story of the Open Source movement's origins through original interviews with its founders, and depicts the grassroots nature of the LINUX operating system and Open Source as they march into the mainstream.

Companies such as Hewlett-Packard, IBM, Ogilvy & Mather, OSDN, and Dreamworks Animation have rented REVOLUTION OS for private theatrical screenings. It has also screened in numerous film festivals including South By Southwest Film Festival, the Atlanta Film & Video Festival, Boston Film Festival, and Denver International Film Festival. REVOLUTION OS won Best Documentary at both the Savannah Film & Video Festival and the Kudzu Film Festival.

"It's a testament to Moore's skill as a documentarian that he manages to encapsulate the entirety of the open source software movement and keep non-techheads awake simultaneously." *Austin Chronicler*

"If you think JTS Moore's new documentary

would only interest computer geeks, you're wrong. The subject isn't just a computer operating system so much as the rules that define an industry integral to our culture and economy. Revealed here are the history and development of the Free Software and Open Source movements, culminating in the creation and success of LINUX, a fast and reliable alternative to Microsoft's Windows operating system, the primary layer of software that operates our personal computers. Don't expect this to get overly technical. That's not the point. This is an exploration of issues, important ones like community, freedom, and control." *Film Threat*

"One of the film's chief pleasures is the chance to meet 'in person' the various oddball programming gurus who gained a disembodied fame on the web. 'They're all very quirky,' Moore allows." *Stanford Magazine*

" 'Revolution OS' is a great film and an important one. This in-depth study of important developments of the computer industry should make it required viewing in university computer science departments for years to come." *Film Threat*

Please keep an eye on the MUUG-Announce mailing list (you have subscribed, haven't you? You know, the one that's really easy to sign up for at http://www.muug.mb.ca/mailman/listinfo/?) for information on plans to organize a group viewing of this event!

For more information, see http://www.revolution-os.com/ and http://www.7thart.com/seventh.htm (click on Current Releases).

And More Film

Gilbert Detillieux notes: "In addition to Revolution OS, which is playing October 27-30 at 7pm, The Cinematheque is also showing Best of the Ottawa International Animation Festival 2002, on October 22-23 at 7pm. This collection features clay animation, 2D computer animation, puppets, photocopy and cel animation. Also, on October 20-21 at 7pm, The Future is Not What It Used to Be is showing. It's a film about the ingenious composer of computer based music and designer of his own instruments, Erkki Kurenniemi."

Interesting New Stuff

Screem 0.8.1 HTML/XML Editor

Screem (www.screem.org), the Site CReation and Editing EnvironMent, is a web site development environment that provides a combination HTML and XML editor. The project's aim is a bit different from WYSIWYG HTML editors.

In general WYSIWYG editors do not produce good clean valid HTML, and can also slow you down if they do not support an element that you wish to insert. By utilising a text based editing system you can use the markup you want rather than what the application thinks you need, and also provide quick access to commonly used elements via toolbar buttons which insert the markup at the current cursor position.

Ethereal 0.9.15

Version 0.9.15 of Ethereal (www.ethereal.com), a network protocol analyzer, is available. Many often-requested features have been added with this release. If you're running an older version of Ethereal you may want to have a look. Conversation List (aka "top talker") support has been added to Ethereal and Tethereal. Protocol statistics in general have been updated. Searching capture files has been improved even more – a new "contains" display filter operator that searches for strings in PDUs has been added. The Find dialog now supports case-insensitive searches, hex data searches, and more.

Gnome 2.4

In the 13th century, a man called Temujin came to be known as Genghis Kahn, "Greatest of Rulers" and "Warrior of Warriors". By the time of his death, the Mongol empire extended from Hungary to Korea, and from Siberia to Tibet.

Often referred to as 'the Mongol hordes', and considered barbaric, his army was, in reality, a thoroughly modern military outfit in medieval times. They were swift, precise, equipped with superior technology, ingenious in their approach to war, keenly organised and consistently outnumbered – not that it detracted from their exploits on the battlefield.

These same qualities have been instrumental to GNOME's success. Our regular, high quality releases, speedy turnaround, fresh approach to Free Software usability and dynamic organisation have supercharged the project – you can sense the deep, personal pride in every aspect of our work, from the source code to the translations that make GNOME a comfortable home for our users all around the world.

So it is in the spirit of Temujin and his nomadic warriors that we bring you The GNOME 2.4.0 (www.gnome.org/start/2.4/) Desktop & Developer Platform.

Released on schedule, to the day, it is the culmina-

tion of six months effort by GNOME contributors around the world: hackers, documentors, usability and accessibility specialists, translators, maintainers, sysadmins, companies, artists, users and testers. Due to their hard work, we have another great release to be proud of – thanks very much to every GNOME 2.4.0 contributor!

KDE 3.2 Alpha 2

As the first beta has been delayed to finish more PIM features, we're proud to present the second alpha release of KDE 3.2 (www.kde.org). The first alpha was already seen as a very strong release and the second one is even better with 1374 bugs closed in the last 31 days. The major changes are the import of KSVG and KPDF into the KDE distribution, along with a major rewrite of the window manager.

KDE 3.1.4

KDE 3.1.4 (www.kde.org) is a maintenance release which provides corrections of problems reported using the KDE bug tracking system and two vulnerabilities in KDM. For a more detailed list of improvements since the KDE 3.1 release in late January, please refer to the KDE 3.1.4 Changelog. Additional information about the enhancements of the KDE 3.1.x release series is available in the KDE 3.1 New Feature Guide and the KDE 3.1 Announcement.

Samba 3.0

Samba Team Releases Samba 3.0 September 24th 2003 – Windows Domain Migration Release

Samba 3.0 (www.samba.org) contains the first Open Source/Free Software implementation of Windows NT Primary and Backup Domain Controller functionality. Customers can transparently migrate their existing Windows NT domains to Samba 3.0 whilst keeping their existing user and group account databases. This enables significant cost of ownership savings over a Windows NT4 domain as a Samba 3.0 Domain Controller does not require client access licenses. Existing Windows tools can be used to manage a Samba PDC, allowing customer Windows expertise to be leveraged in a domain migration. A choice of LDAP back-ends allows integration with an existing customer directory service.

Samba 3.0 seamlessly integrates into a Microsoft Active Directory domain in both native and mixed mode. Samba 3.0 provides single sign-on for UNIX ® / Linux ® clients in an Active Directory environment, allowing both servers and clients to transparently use Active Directory as an authentication and account source. Domain trust relationships are fully supported, allowing Samba 3.0 Controlled Domains to integrate easily into any Active Directory environment.

Samba 3.0 fully implements Kerberos 5 authentication, SMB signing for tamper-proof file serving sessions, and SCHANNEL security for secure remote procedure calls. Samba 3.0 works "out of the box" with the improved security settings of Windows 2003 Domain Controllers.

Samba 3.0 has been tested in production supporting thousands of print queues with tens of thousands of simultaneous print jobs, providing the most scalable Windows printing solution on the market. Samba 3.0 fully supports the Windows "point-and-print" driver download feature, allowing Samba 3.0 to provide a transparent Windows printing experience.

Samba 3.0 ships with the second edition of "Using Samba" by Jay Ts, Robert Eckstein, and David Collier-Brown (O'Reilly & Associates ®). Many thanks to the authors and publisher for making "Using Samba" available under the GNU Free Documentation License.

In addition, the Samba HOWTO documentation collection has been updated and improved by John H. Terpstra, Jelmer R. Vernooij and others. As well being freely available in the Samba 3.0 release it will be released in a forthcoming book, "The Official Samba-3 HOWTO and Reference Guide", to be published by Prentice Hall ®.

Sending Us E-Mail?

Due to the amount of e-mail MUUG receives, we've set up an auto-reply to give you immediate feedback, and redirect some of the e-mail to the appropriate places. Why not look at http://www.muug.mb.ca/about.html#contacts first?

Share Your Thoughts

E-mail us with your comments on the newsletter, whether it's criticisms or commendations, and continue to send in articles or ideas for same.

If you have a How-To or other idea, and aren't ready to give a presentation at MUUG, an article is a great alternative! If you can write better than the editor, that's terrific; if you can't, submit it anyway and we'll get it into shape for publication. We know that many of you have some great ideas and lots of knowledge.

Why not share? Mailto: editor@muug.mb.ca.