MUUGLines

The Manitoba UNIX User Group Newsletter

Next Meeting:
November 13th, 2007
Server Virtualization with Solaris Zones and FreeBSD Jails

Shawn Wallbridge will be giving a talk about Server Virtualization using both FreeBSD Jails and Solaris Zones. Shawn will briefly cover what virtualization is, why to use it and then go into details on setting up Jails and Zones.

The presenter, Shawn Wallbridge, is a Systems Administrator at Frantic Films. He also runs SynAck Hosting, a small web hosting and server co-location company, in his spare time.

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 7:15pm, so the meeting can start promptly at 7:30pm. Don't be late, or you may not get in. (But don't come too early either, since security may not be there to let you in before 7:15 or so.) *Non-members are welcome, but may be required to show photo ID at the security desk.*

Limited parking is available for free on the street, either on Ellice Ave. or on some of the intersecting streets. Indoor parking is also available nearby, at Portage Place, for $3.00 for the evening. Bicycle parking is available in a bike rack under video surveillance located behind the building on Webb Place.

Upcoming Meetings:

December 11th, 2007
Linux on a Stick

Future meeting topics may change.

Apple Ships Mac OS X Leopard

Apple shipped Mac OS® X Leopard on October 26. Leopard is packed with more than 300 new features and introduces a brand new desktop with Stacks, a new way to easily access files from the Dock; a redesigned Finder that lets users quickly browse and share files between multiple Macs; Quick Look, a new way to instantly see files without opening an application; Spaces, an intuitive new feature used to create groups of applications and instantly switch between them; and Time Machine, an effortless way to automatically back up everything on a Mac®.

"Leopard, the sixth major release of Mac OS X, is the best upgrade we've ever released," said Steve Jobs, Apple's CEO. "And everyone gets the 'Ultimate' version, packed with all the new innovative features, for just $129."

OpenBSD 4.2 released

We are pleased to announce the official release of OpenBSD 4.2.

This is our 22nd release on CD-ROM (and 23rd via FTP). We remain proud of OpenBSD's record of more than ten years with only two remote holes in the default install.

We dedicate this release to the memory of long-time developer Jun-ichiro "itojun" Itoh Hagino, who focused his life on IPv6 deployment for everyone. Without his BSD and IETF participation, IPv6 would not be where it is today. Only now people are becoming aware of his numerous contributions because he took credit for much less than he accomplished. The developers in our project will all miss him.

Green Party supports FOSS

The Canadian Green Party has come out in support of Free and Open Source Software in its online policy statement (**http://www.greenparty.ca/en/policy/visiongreen/partone#_Toc180047589**).

"**7. Open source computer software**

As computer hardware improves, it is important that software programs are readily modifiable by the people who buy and use them. Developing alongside the proprietary software sector is Free/Libre Open Source Software (FLOSS). This software is generally available at little or no cost, making it very popular in the developing world. It can be used, copied, studied, modified and redistributed with little or no restriction. Businesses can adapt the software to their specific needs.

Under the free software business model, vendors may charge a fee for distribution and offer paid support

and customization services. Free software gives users the ability to work together enhancing and refining the programs they use. It is a pure public good rather than a private good.

Our Vision

The Green Party supports the goals and ideals of Free/Libre Open Source Software (FLOSS) and believes that Canada's competitiveness in global information technology (IT) will be greatly enhanced by strongly supporting FLOSS.

Green Solutions

Green Party MPs will:

- Ensure that all new software developed for or by government is based on open standards and encourage and support a nationwide transition to FLOSS in all critical government IT systems. This will make Canada's IT infrastructure more secure and robust, lower administration and licensing costs and develop IT skills.
- Support the transition to FLOSS throughout the educational system."

CIFS…In Solaris?

This Sun Blog post by Alan Wright (**http://blogs.sun.com/amw/entry/cifs_in_solaris**) details some of the work that Sun is doing to allow Solaris to integrate better with Windows environments. The work includes changes to ZFS, user-land utilities and the kernel. Hopefully this will lead to CIFS being integrated as nicely into ZFS as NFS is.

Nokia surprises everyone with N810

In a move that has surprised a lot of people, Nokia announced the new N810, which will replace the not very old N800. Details include:

- 4.13-nch WVGA (800 x 480), 65k color display as the N800, brightness increased by ~20%
- GPS
- 2 GB internal storage, ships with maps for use with GPS
- WiFi (802.11b/g)
- Bluetooth (2.0+ EDR)
- 400MHz OMAP 2420 CPU, 128MB RAM, 256MB ROM
- Integrated front camera
- Ambient light sensor
- USB 2.0
- Plays back video: 3GP, AVI, H.263, H.264, MP4, ASF, WMV, MPEG-1/4, Real video; audio: MP3, WMA, AAC, AMR, AWB, M4A, MP2, Real audio, WAV
- Battery life should be around 4 hours of "typical use" and up to 2 weeks idle time
- Nokia's Linux Maemo interface
- 5 x 2.83 x 0.55-inches, 7.97 ounces
- Ships in November, $479

Mac OS X Server to support Virtualization

Apple has changed the Software License Agreement for Leopard Server to allow for running it inside of a virtual machine.

"This License allows you to install and use one copy of the Mac OS X Server software (the 'Mac OS X Server Software') on a single Apple-labeled computer. You may also install and use other copies of Mac OS X Server Software on the same Apple-labeled computer, provided that you acquire an individual and valid license from Apple for each of these other copies of Mac OS X Server Software."

This will allow Parallels and VMWare to support OS X Server. In fact, they are both currently working with Apple to do so.

Ubuntu 7.10 Released, Delivering the Best of Open Source Software

LONDON, October 15, 2007 – Canonical Ltd. announced today the upcoming availability of version 7.10 of the Ubuntu Server, Desktop, Kubuntu and Edubuntu Editions. All will be available for free download on Thursday 18 October. Canonical is the commercial sponsor of Ubuntu.

Ubuntu makes no distinction between community and enterprise editions, Ubuntu 7.10 is our best work and is available freely to all. Ubuntu has consistently ranked #1 in reviews of security update responsiveness and effectiveness. The Ubuntu platform is fully certified and supported, making it a secure choice for users looking to explore, deploy and enjoy Linux. Ubuntu 7.10 brings together the best open source and free software available in a stable, robust environment that "just works".

"We are privileged to have millions of users running Ubuntu every day". commented Jane Silber, COO of Canonical UK. "This gives us great insight into what they want from a free, Linux-based platform. Ubuntu 7.10 is another milestone in delivering on these requirements on the desktop and server."

Ubuntu 7.10 Desktop Edition adds an enhanced user interface, improved hardware support, multiple monitor support and integrated desktop search. Additional information is available at **http://www.ubuntu.com/news/ubuntu-desktop710**.

Ubuntu 7.10 Server Edition features improved functionality, manageability, pro-active security and hardware compatibility and delivers a rapid deployment platform for developers and businesses. Additional information is available at **http://www.ubuntu.com/news/ubuntu-server710**.

New versions of Kubuntu and Edubuntu, derivatives of Ubuntu aimed at KDE enthusiasts and the education community respectively, are also being released at the same time. Additional information is available at **http://www.ubuntu.com/news/ubuntu-family710**.

OpenBSD SMP on SPARC64

The OpenBSD project is working on adding SMP support to the SPARC64 port. This would be the first platform besides i386 and amd64 to offer SMP support. This Undeadly.org thread (**http://shorterlink.org/3366**) discusses the progress and has dmesg reports from various Sun machines ranging from the Ultra 2 to an Enterprise 4000.

```
OpenBSD 4.2-current (GENERIC.MP) #0: Fri
Oct 19 16:17:05 GMT 2007
deraadt@sparc64.openbsd.org:/usr/src/sys/ar
ch/sparc64/compile/GENERIC.MP
real mem = 1879048192 (1792MB)
avail mem = 1806303232 (1722MB)
mainbus0 at root: 8-slot Ultra Enterprise
4000/5000
```

Wal-Mart sells $199 Linux computer

By Peter Svensson, AP Technology Writer
October 31, 2007

NEW YORK --Linux, the free operating system that's a perpetual underdog in the desktop market, is showing up in computers in Wal-Mart stores this week for the first time.

About 600 Wal-Mart stores will carry the $199 Linux-powered "Green gPC" made by Everex of Taiwan, Wal-Mart said. It was available online on Wednesday.

A comparable Everex PC that comes with Windows Vista Home Basic and more memory costs $99 more, or $298, partly because the manufacturer has to pay Microsoft Corp. for a software license. Both computers come with keyboard, mouse, and speakers, but no monitor.

Linux is maintained and developed by individuals and companies around the world volunteering on an "open source" basis, meaning that everyone has access to the software's blueprints.

Linux is in widespread use in server computers, particularly servers that host Web sites. But it hasn't yet made a dent in the desktop market. Surveys

usually put its share of that market around 1 percent, far behind Windows and Apple Inc.'s OS X.

Wal-Mart spokeswoman Melissa O'Brien said it is stocking the gPC in about one in eight stores to test the demand for an open-source product.

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 the same. Specifically, what sort of material you would rather see: Announcements, technical articles, new products, or…?

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? Send Mail to: **editor@muug.mb.ca**.