Conference Program 27 Pages

Tuesday, April 13, 2004

Tutorials
3 hours each all tutorials take place on April 13

9:00 AM – 12:00 PM
TUTORIAL 1:   LINUX FOR DUMMIES
TRACK: DESKTOP
SPEAKER: Dee Ann LeBlanc

This tutorial will provide a thorough survey of Linux fundamentals, beginning with what makes Linux and why it is special and continuing with how to select a distribution that suits your needs and budget. Finally, a tour of the filesystem, applications, installations, plus more dispelling the myth "that there is not enough software for Linux users". The tutorial will have a slight focus on Red Hat Linux, discussion and coverage of other distributions will be included. You will come away with a stronger grounding in this exciting operating system, and the many applications that commonly come with it. Bring your questions and a sense of curiosity. If you have Linux on a laptop bring it along and try what you are learning.
Bonus! Attend this tutorial and get the chance to win one of Dee Ann LeBlanc's books.

Dee-Ann LeBlanc, RHCE, is the best-selling author of *Linux for Dummies* and the upcoming *Linux Annoyances* from O'Reilly & Associates She is the gaming industry editor for *LinuxWorld* Magazine. She is one of the experts behind DigitalThink.com's official Red Hat courseware, and a trainer for Red Hat. She keeps current with the latest in distributions regularly installing and using SuSE and Mandrake along with her personal vote for "coolest and most unique Linux distribution," Gentoo.

9:00 AM – 12:00 PM
TUTORIAL 2:   MAKING THE TRANSITION TO EMBEDDED LINUX DEVELOPMENT
TRACK: COMMUNICATION
SPEAKER: Richard Sevenich, PhD.

Changes in the nature of embedded systems coupled with the sudden prominence of Linux provide an opportunity for programmers to move into the embedded systems arena. Using specific examples, this tutorial describes in detail the resources and steps necessary for programmers to make the transition to embedded Linux development. It focuses on the configuration and use of the development environment and discusses both the necessary software and hardware. Attention is on the interconnectivity between the Linux development workstation and the embedded target. Programmers without embedded systems experience will receive a clear path for the transition to a useable level of familiarity with embedded systems development.

Richard Sevenich, Professor of Computer Science at Eastern Washington University (Cheney, WA, USA) teaches operating systems and compiler construction emphasizing practical applications. Previously, he worked at a hardware/software startup where he implemented a language for industrial control based on concurrent generalized state machines. His interests are in operating systems internals, application specific languages, and industrial control.

TUTORIALS APRIL 13 Continued

9:00 AM – 12:00 PM
TUTORIAL 3:   ANTI –SPAM FILTERING: CONFIGURING THE ENTERPRISE FOR SPEED & EFFICIENCY
TRACK: WEB/INTERNET, SECURITY
SPEAKER: David Skoll

In business, filtering e-mail for spam is a necessity. This tutorial will discuss Open Source tools administrators can use for e-mail filtering, including SpamAssassin, MIMEDefang, Sendmail and Perl. Learn:
- steps for combining these tools and reducing spam
- a system architecture for efficient spam and virus scanning in large mail environments
- how to enable separate mail streams and individual user control over filtering preferences
- knowledge of each of the OS tools their purpose, capabilities and drawbacks
- how to integrate these tools into a cohesive mail filtering environment
- tips & tricks about mail scanning and spam fighting

The tutorial is for intermediate and advanced Linux administrators, a familiarity with Perl and Sendmail is recommended.

David Skoll, is founder and president of Roaring Penguin Software, Inc., a firm focused on deploying intelligent computing infrastructures for businesses of all sizes and incorporating Linux into heterogeneous environments. Skoll is the developer of MIMEDefang, the acclaimed Open Source e-mail inspection software, and creator of rp-pppoe, deployed across Linux servers and clients worldwide. He is author of Caldera's "*OpenLinuxUnleashed*", frequently writes, and presents for the Linux and Open Source communities.

9:00 AM – 12:00 PM
TUTORIAL 4:   LINUX CUSTOMIZATION: 3 CASE STUDIES
TRACK: ENTERPRISE
SPEAKER: Dan Morrill

Understanding a Linux system is only the beginning: the next step is to customize it to your needs. This tutorial will provide the specific details of how three very different systems were built from the same stock base installation. This tutorial is unique as it provides the big picture and the nitty-gritty details that other reference resources do not cover. Learn:
- how to construct a secure, highly functional firewall server, a RAID-based disk server, and a game-oriented arcade-style system
- concrete, real-world insight into how easy and challenging it is to customize a basic Linux system for a variety of applications
- participants will be able to replicate the systems, or create their own variants

Bonus! Be one of the first 35 attendees to Get a free copy of Dan's book

Dan Morrill, is a long-time Linux user and author of *Tuning and Customizing a Linux System.* He holds a Master's degree in Computer Science and has been using Linux for nine years and Linux exclusively for five years. Dan researches and designs computational systems for GE, from low-level hard real-time up through enterprise Java systems. Dan has presented at JavaOne and a RealWorldLinux 2003

TUTORIALS APRIL 13 Continued
1:15 pm – 4:15 pm
TUTORIAL 5:   MIGRATION TO THE LINUX DESKTOP: A PRACTICAL GUIDE
TRACK: DESKTOP
SPEAKER: Marcel Gagné

Desktop Linux is going mainstream. Many governments, non-profit organizations and businesses are migrating to Linux; should your organization be doing the same? Using recent implementations and case studies, Marcel Gagné, author of *Moving to Linux: Kiss the Blue Screen of Death Goodbye*!, will provide a practical guide to deploying the Linux business desktop by looking at the strategies and tools behind successful migrations, including the exciting and cost-effective world of thin clients. He will cover the challenges of saying goodbye to Microsoft from a technical standpoint and, more importantly, a human and "cultural" perspective. Learn about the benefits and the costs; discover how with the right administrative tools, software and information you can make the transition with confidence and reap the benefits of moving to Linux.
Bonus! Attend this tutorial and get the chance to win one of Marcel Gagne's books

Marcel Gagné, is the award-winning author of the *Linux Journal* "*Cooking with Linux Series*", for which he received the Readers' Choice award for favorite column three years in a row. His latest book is *Moving to Linux: Kiss the Blue Screen of Death Goodbye!*. His first book was the highly acclaimed *Linux System Administration: A User's Guide*. One of the best known voices of the Linux world, he has written over 200 articles on Linux and Open Source projects for various publications including *Linux Journal, InformIT, Unix Review, SysAdmin magazine*, and others. A long-time systems and network administrator, he runs a systems and network consulting firm, is a published science fiction author and editor, a pilot, and avid science and astronomy buff.

1:15 pm – 4:15 pm
TUTORIAL 6:   CARRIER GRADE LINUX
TRACK: COMMUNICATION
SPEAKER: Ibrahim Haddad

This tutorial will present an overview of the activities within the Open Source Development Labs (OSDL) to advance the case of Linux in the telecom space. Ibrahim, will discuss the characteristics of communication systems and telecom platforms and the motivations to have Linux power telecom platforms, the specification work in the Carrier Grade Linux (CGL) group in OSDL, and what the industry is doing to promote, design and develop Carrier Grade Linux. There will be a review the features/characteristics of carrier grade systems to see if and how Linux Clusters meet telecom requirements. The tutorial will address the continuing efforts in the Service Availability Forum and a quick summary of Ericsson's contributions to CGL. This tutorial will be of exceptional value to telecom managers, system designers, and researchers who want to learn more on the current status of Linux in telecom and how it's moving forward with the OSDL CGL efforts.

Ibrahim Haddad, is a researcher at Ericsson Research Canada, the Open System Lab. He is involved with the system architecture of 3G wireless IP networks and responsible for guiding Ericsson Open Source contributions that promote and advance the use of Linux in telecommunications. He represents Ericsson on the Technical Board of the Open Source Development Lab - Carrier Grade Linux Working Group. He is a Contributing Editor to the *Linux Journal* and *LinuxWorld* and serves as a technical writer for the *Linux User & Developer*. He has delivered presentations at IEEE and ACM conferences, Open Source forums, and international conferences. Ibrahim is the co-author with Richard Petersen of the *Red Hat Linux Pocket Administrator*" and *Red Hat Linux 10: The Complete Reference* (McGraw-Hill/Osborne). He is currently a Dr. Sc. candidate at Concordia University researching "*Next Generation Internet Servers"*

TUTORIALS APRIL 13 Continued

1:15 pm – 4:15 pm
TUTORIAL/
WORKSHOP7: INSTALLATION AND CONFIGURATION - HANDS-ON
TRACK: WEB/INTERNET, SECURITY
SPEAKER: JOHN LATHROP

In this hands-on workshop, participants will learn by doing. Linux is no longer, a tangle of arcane commands, configuration nightmares, and lurking 'gotchas'. In fact, basic services are increasingly straightforward. The directive approach of the tutorial makes it of value for beginners; the topics make it appropriate for intermediate users. You will learn how easy basic setup can be, including networking, file sharing, web serving, etc., while learning the basics of the most important configuration files for more complex installations. Including:

- how to install Linux across a network, and configure it for DHCP networking.
- how to set up Linux/Windows networking and file sharing using Samba.
- how to set up e-mail, a web server, a simple database using MySQL, and import and export documents using OpenOffice in GNOME.

This tutorial/workshop is limited to 15 attendees; seating is on a first reserved basis.
Bonus! Attendees will receive a copy of John's book

John Lathrop, MIM**,** Consultant Linux Leap, provides business assessments, solutions for Linux integration, training. John began working with Linux while setting up computer training operations for military schools and private companies overseas. In the USA, he formed a documentation consultancy and won contracts from several Linux companies, including Caldera Systems and Eazel. The author of two books *Linux Desktop Starter Kit* (McGraw Hill) and *Linux in Small Business* (Apress).

1:15 pm – 4:15 pm
TUTORIAL 8:   FULL COST ACCOUNTING METHODOLOGY FOR IT PROJECTS: YOU PAID WHAT??!
TRACK: ENTERPRISE, GOVERNMENT
SPEAKER: Joseph Potvin

Based on the pre-publication draft report of an international workshop held in Ottawa this year senior executives and IT management participants in government and enterprise will learn about emerging guidelines for "Full Cost Accounting" (FCA) in the IT sector, and the implications for their IT operations. FCA an advanced Accrual Accounting method extends assessment and reporting beyond obvious costs for direct deliverables, to a set of logically related downstream or indirect financial costs and benefits, including overhead, capital costs, cost avoidance and cost sharing opportunities. FCA gives IT decision-makers the ability to anticipate and track if indirect or downstream factors (upgrades, planned obsolescence, bug /debugging, security vulnerabilities and patching, user learning and re-training, vendor lock-in and non-conformance with open standards, jerry-rigging and refactoring, complexity and barriers to integration, etc.), could be pushing your costs beyond budget, deliveries past due dates, results below expectations. IT maintenance costs have led to demand for greater accountability in IT decision-making. FCA provides a way for senior management to communicate about enterprise-level ROI, and positive or negative "externalities".

Joseph Potvin, is a senior economist and systems architect, serving as a member of the management team of the IT Standards, Architecture & Security Sector of the IT Services Branch, in Public Works and Government Services Canada.   He is active in increasing understanding and engagement by the Canadian Government of free/libre Open Source software business and operations. In 1999-2000 while at the International Development Research Centre, he led the OPA project under budget and ahead of schedule to become the third official Open Source software release by the Government of Canada. Mr. Potvin is Coordinator of GOSLING (Getting Open Source Logic Into Governments.

Wednesday, APRIL 14, 2004
CONFERENCE SEMINARS

8:30am – 9:30am
201   BATTLING SPAM AND VIRUSES AT THE SERVER
TRACK: SECURITY, EXECUTIVE SUMMIT
SPEAKER: Dee Ann LeBlanc

A report from Nucleus Research states the average cost of spam to business is $874.00 per employee, per year. This is only the case when the employee receives a mere 13.3 spams per day, not including the cost of damage and lost productivity caused by viruses! This seminar focuses on proven tools and strategies for combating both spam and viruses with your Linux server, while leaving the end user in control of their own mail flow. Whether a large organization, SMB, ISP, or a user with a small home network, you will learn, how mail administrators can combine collections of freely available tools to make spam only a minor annoyance in your business.
Bonus! Attend this seminar and have the chance to win one of Dee Ann LeBlanc's books

Dee-Ann LeBlanc, RHCE, is the best-selling author of *Linux for Dummies* and the upcoming *Linux Annoyances* from O'Reilly & Associates She is the gaming industry editor for *LinuxWorld* Magazine. She is one of the experts behind DigitalThink.com's official Red Hat courseware, and a trainer for Red Hat. She keeps current with the latest in distributions regularly installing and using SuSE and Mandrake along with her personal vote for "coolest and most unique Linux distribution," Gentoo.

8:30am – 9:30am
202   MANAGING CORPORATE LINUX DESKTOPS
TRACK: DESKTOP
SPEAKER: Anthony Kay

Managing corporate linux desktops with Ximian Desktops 2 and Red Carpet Enterprise will be the focus of this seminar. Participants will learn the ease of use of the XD2 desktop environment when installed on popular Linux distributions, and how to ease the transition from Windows environments to Linux. Including, how to manage applications and patches with Ximian Red Carpet Enterprise, a secure, customizable solution that automates the central management of software on workstations and servers running a variety of Linux distributions.

Anthony Kay*,* technology solutions architect, Novell has over 15 years of experience in information technology architecture and solutions development. In his present role as Technology Solutions Architect with Novell Canada, Anthony assists customers in diverse markets to leverage Novell solutions in a wide variety of areas including enterprise directory, provisioning, enterprise recovery, security, capacity planning and systems availability.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

8:30am – 9:30am
203   COST EFFECTIVE NETWORK STORAGE LINUX SOLUTIONS
TRACK: STORAGE, EXECUTIVE SUMMIT
SPEAKER: Paul von Stamwitz

With iSCSI initiator support in Linux and commercially available target software, integrators and system providers have the option to build cost-effective iSCSI storage systems using off-the-shelf hardware. This seminar will describe how to build systems and which applications are best suited, including issues of performance; configuration; redundancy; cost benefits and reasonable expectations of performance. You will understand clearly the technical characteristics of the components that are required to match their applications. Until now, external storage has been propriety hardware-based. Even "white box" systems use proprietary RAID controllers. This seminar shows that integrators can build their own systems at a fraction of the cost.

Paul von Stamwitz, technology strategist for 3ware responsible for analyzing industry trends and new technologies in order to identify opportunities for future products and markets. Previously, he was Vice President of Engineering at TrueSAN Networks where he oversaw the design and development of a fabric-based storage management system for Fibre Channel SANs. He worked at Adaptec for 15 years in development and management. As Principal Engineer, he led a team that developed one of the first SCSI over Ethernet prototypes and participated in the early development of the iSCSI specification. He has been issued two patents in storage related topics.

8:30am – 9:30am
204   RED HAT ENTERPRISE LINUX: A TECHNOLOGY OVERVIEW
TRACK: NETWORKING
SPEAKER: Nick Carr

The adoption of Linux is growing rapidly, in the enterprise and commercial IT environments. Attendees will learn the latest information on Linux solutions and technologies specifically to address this market. The focus is on Red Hat's enterprise products and how they provide an excellent platform for use in the commercial applications market. The seminar includes technical information on high-end Linux operating system performance features, such as support for large memory, SMP, and I/O systems, on 32- and 64-bit architectures. It also describes the configurations and setups used for recent record-breaking performance benchmarks and their relevance to typical production environments. A must attend if you want to gain a better understanding of Red Hat Enterprise Linux.

Nick Carr Red, Hat, enterprise product management team responsible for Red Hat Enterprise Linux products, from technology and product direction through delivery and marketing. Before joining Red Hat, he worked at Mission Critical Linux, EMC, Compaq and Digital. Nick has worked on various operating systems, server hardware systems and high availability clustering products for a diverse range of environments, from VMS to NT to Linux.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

8:30am – 9:30am
205   THE OPA SUCCESS STORY
TRACK: WEB/INTERNET, GOVERNMENT
SPEAKER: Joseph Potvin

The OPA (Online Proposal Appraisal) story is a case study about the rationale of Open Source methods from the perspective of a project founder and shows how small projects can be architected and managed in valuable, sustainable collaborations. In 1999-2000, OPA Version 1.0 was created and delivered under budget and ahead of schedule as a ColdFusion/MSAccess application to the MINGA Program of IDRC (International Development Research Centre). Deliberate business and IM/IT architectural decisions of the team lead to one of the first official GNU-GPL software releases by the Government of Canada. In 2000 it was advanced to Version 2.0 based on requirements and funding from the Global Development Network of the World Bank. A year later ported by a KinCite Inc. team in Europe and Africa to PHP/MySQL to run on Linux/Apache. In 2003, version 2.0 was ported to Java/MySQL by Omoli Inc of New Jersey and Toronto.

Joseph Potvin, is a senior economist and systems architect, serving as a member of the management team of the IT Standards, Architecture & Security Sector of the IT Services Branch, in Public Works and Government Services Canada. He is active in increasing understanding and engagement by the Canadian Government of free/libre Open Source software business and operations. In 1999-2000 while at the International Development Research Centre, he led the OPA project under budget and ahead of schedule to become the third official Open Source software release by the Government of Canada. Mr. Potvin is Coordinator of GOSLING (Getting Open Source Logic Into Governments

Wednesday, April 14
KEYNOTE   Free to all attendees.

9:45am – 10:45am
Nat Friedman, Vice President of Research and Development, Novell Ximian Services
What's Next for Linux? Achieving Broad-Scale Linux Desktop Adoption

Enterprise Linux is not an island: it's a central component of tomorrow's technical infrastructure, encompassing everything from messaging systems to corporate databases and documents in a variety of standard formats. One of the most-watched and least-understood phenomena in the open source world is the viability of Linux-based desktops. This keynote presentation will provide an overview of the state of Linux desktop technology, identify and examine the sectors where Linux desktop deployments will work, the sectors where Linux desktop deployments will fail, and what you can expect from the Linux client world in the next year or two and how Novell is leading the way.

Nat Friedman, a long-time open source developer and major contributor to the GNOME project, Nat Friedman co-founded Ximian to create a GNOME-based desktop application suite that would meet the demands of large scale enterprise deployments. With the release of Ximian Desktop 2 and the subsequent acquisition of Ximian by Novell, Nat is now a driving force behind Novell's Linux product and open source strategies. Both a hacker and young entrepreneur, Nat's dynamic personality has made him a natural leader and an important spokesperson for the Free Software movement. Nat holds bachelor's degrees in Mathematics and in Computer Science from MIT.

Wednesday, April 14 2004
CONFERENCE SEMINARS Continued

11:00am – 11:50am
206   OPEN SOURCE VERSUS COMMERCIAL CODE- A COMPARISON
TRACK: SECURITY
SPEAKER: Jasper Kamperman

Proponents of Open Source software claim that their code is of higher quality than the equivalent commercial software. Opponents of OS argue that OS software is unreliable. This seminar is a comprehensive comparison. The OS model represents a different approach to the way software is developed, sold, and maintained, therefore encouraging activities that are not common in the development of commercial code. Jasper will examine these activities and compare them to the commercial software development approach. Based upon several software inspections of OS code, including Apache V2.1, Tomcat version 4.1.24 and the Linux TCP/IP stack, Jasper will test the theory that the OS model produces better quality software than commercial software. You will learn specific metrics of each software analysis and details of the defect reports understanding why this is an important measure of code quality.

Jasper Kamperman, Ph.D., is Principal Member of Technical Staff at Reasoning, Inc. He has played a major role as the lead developer of the technology underlying Reasoning's automated inspection services. Prior, Jasper worked in the software engineering research group at CWI, the Dutch institute where Algol, GKS and Python originated. Jasper has a master's degree in Physics from the University of Utrecht, and holds a Ph.D. in Computer Science from the University of Amsterdam.

11:00am – 11:50am
207   FREE LIBRE OPEN SOURCE SOFTWARE (FLOSS)
**   MAKES BUSINESS SENSE**
TRACK: DESKTOP, EXECUTIVE SUMMIT
SPEAKER: John H. Terpstra

You can significantly reduce desktop productivity costs by using Open Source. John will document how he used Open Source to collaboratively write two books and produce camera-ready art at much lower cost. He will go through the product life cycle and discuss the relationship between innovation, adoption, economic exploitation and long-term community benefits. John will look at how society can benefit from greater diffusion of technology, highlighting why this is of value to Canada. The North American launch for *The Official Samba-3 HOWTO and Reference Guide* is at RWL04.
Bonus! Attendees of the seminar have a chance to win a book signed by the author.

John H Terpstra, CEO/President with PrimaStasys, Inc. a company that mentors Information Technology companies and facilitates profitable change in practices. John is also CEO of Fabuluss Software, Inc. an innovative company that is working to popularize next generation desktop productivity enhancements. He is a member of the formation committee of the Desktop Linux Consortium, the Samba-Team (a major Open Source project) and the Open Source Software Institute Advisory Board. He has worked with the LSB, Li18nux (now OpenI18N.Org), and is a best selling author of "*The Official Samba-3 HOWTO and Reference Guide*". John has worked with The SCO Group (previously Caldera Inc.), TurboLinux Inc., in VP level positions.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

11:00am – 11:50am
208   CLUSTERING AND HIGH AVAILABILITY FOR LINUX
TRACK: CLUSTERING:HPC, EXECUTIVE SUMMIT
SPEAKER: Roger Davis

Corporations have shifted to Linux as an obvious way to provide increased computing capacity while achieving lower TCO. As Linux becomes more integrated into core data center operations, high availability is the next business requirement. We will look at data intensive applications; especially those that rely on such business critical databases as Oracle, DB2 and MySQL are now available for Linux. Learn strategies, best practices and cost-effective solutions to enable your business to:
- optimize distributed and blade environments
- make mission-critical databases highly available
- increase application uptime on Linux
- improve and manage storage infrastructure availability

Roger Davis, serves as technical product manager for High Availability and Disaster Recovery Products at VERITAS Software. Previously, he was the Product Manager for VERITAS Cluster Server. He launched the original self-certification test suite program to enable hardware vendors to self-certify their equipment with VERITAS' clustering solutions and helped drive the launches of Global Cluster Manager, VCS for OPS, VCS QuickStart and most recently, VCS Traffic Director. Roger spends most of his time now defining requirements for Cluster Development Platform, a suite of clustering API's for all platforms. Before joining VERITAS, Roger worked in product management positions for Nortel, Siemens and several start-up companies.

11:00am – 11:50am
209   THE FINANCIAL IMPACTS OF MANAGING IP ADDRESS GROWTH:
**   NEW SERVICES, DEVICES, NETWORKS**
TRACK: NETWORKING, GOVERNMENT, EXECUTIVE SUMMIT
SPEAKER: Patricia A. Steadman

This seminar is an overview of current broadband and enterprise market dynamics including IP network growth and consolidation. Patricia will present a business case for a robust IP management solution over a Linux platform and show multiple paths for cost savings, revenue generation, increased customer satisfaction and brand building. She will look at current successes and challenges where enhanced services are deployed and compare and contrast "real world" examples from different service providers, enterprises, and vendors including broadband service provider benefits and enterprise benefits. Key topics include:
- current IP addressing and provisioning challenges
- hidden costs and financial impacts of IP address growth in networks
- best practices in IP address management
- lessons learned summary.

Patricia Steadman, has been a proponent of responsible Network and Internet Management since 1992, when she co-founded Incognito Software and spearheaded the field of non-BIND DNS (Domain Name System) software and network security. She is responsible for creating one of the only extensible, secure, scalable proprietary DNS solutions available on the market and is largely responsible for Incognito's successful penetration into the dynamic enterprise, ISP and broadband marketplaces. She is sought after as an authority on evolving IP and DNS technologies. She earned her BSEE at Lehigh University and completed a degree in Computer Science at Columbia University.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued.

11:00am – 11:50am
210   USING LINUX AS A WEB SERVICES PLATFORM
TRACK: WEB/INTERNET
SPEAKER: Albert Hsu

Why organizations should consider Linux as a Web services platform? Gain a competitive edge, learn how to transform limited single-purpose applications and data services into open Web services, and share them beyond the firewall to reach new customers - all by leveraging Novell exteNd* 5, Novell's latest Web application development suite provides cross-platform support for a wide range of application servers - including WebSphere, WebLogic, Tomcat and exteNd - and integrates with secure identity management offerings.

Albert Hsu, technology solutions architect, Novell Canada Ltd. He has over eight years of experience in information technology architecture and solutions development, with almost three of those at Novell. In his present role as technology solutions architect with Novell Canada, Albert assists customers in diverse markets to leverage Novell solutions in a wide variety of areas including enterprise directory, provisioning, enterprise recovery, security, capacity planning and systems availability.

Wednesday, April 14, 2004
VISIONARY Free to all conference attendees

12:00pm – 12:50pm
VS1 THE MONO PROJECT - HOW THE OPEN SOURCE COMMUNITY EMBRACES .NET
Miguel de Icaza

Mono, an Open Source community implementation of the .NET development framework, is changing the way developers approach application development for enterprise Linux applications. With Mono, .NET applications can be easily developed for multiple platforms, including Linux. This session, led by Mono project founder Miguel de Icaza, will bring you up to date with the latest news from the Mono project, from the state of the project today, to a glimpse of Mono's future potential.

Miguel de Icaza, chief technology officer, Novell Ximian Services is one of the foremost luminaries in the Linux development community and one of the world's most prominent advocates for Free Software. A Ximian co-founder, Miguel is also the founder and former president of the GNOME Foundation. He was the first recipient of the prestigious MIT Innovator of the Year award in 1999. Miguel has galvanized efforts to make Linux accessible and available to the average computer user, and continues to reach out globally by working with international organizations such as eMexico to introduce affordable technology alternatives, like Linux, to other nations. Most recently Miguel has begun the Mono project, an open source effort led by Novell, to provide developers with open source tools for building cross-platform Microsoft .NET applications that can run on Linux, UNIX, and other support platforms.

Wednesday, April 14, 2004
VISIONARY Free to all conference attendees

1:00pm – 1:50pm
VS2 ENTERPRISE OPEN SOURCE
Panel Anne Lotz-Turner (Moderator), Ross Button, Joseph Dal Molin, Jon "maddog" Hall,
Sponsored by CATA*ALLIANCE*

Open Source software can offer a compelling value proposition -- security, stability, price, and flexibility. But polarized debate over open and proprietary solutions, and confusion about different application domain maturity levels, make it difficult for decision-makers. This session will be of particular value to both IT executives and those looking to influence their decisions. The results of a survey conducted by the Canadian Advanced Technology Alliance on corporate attitudes and adoption plans will be released in this session. There will be stimulating panel discussion and concrete recommendations on how CIOs can cut through "FUD" to get to "ROI". Panel participants include an expert on technology adoption, a leading Open Source consultant, and a legendary Linux advocate.

Anne Lotz-Turner, senior advocate, Open Source for the Canadian Advanced Technology *Alliance*, a trade association representing the Canadian high tech industry. CATA*Alliance* is dedicated to improving the bottom line business growth of its members through initiatives, including lobbying government for support in the commercialization of products and as "first customer." Anne has a strong background in IT value and metrics and enterprise technology planning and architecture, including new technology introduction at organizations like CIBC and Nortel.

Ross Button, VP, emerging technology at CGI the fourth largest independent information technology services firm in North America providing end-to-end IT services and business solutions to more than 3,000 clients worldwide.

Joseph Dal Molin, president of e-cology Corporation and acting chairman and co-founder of the Open Source Health Care Alliance. An ICT strategist he is an expert in Open Source business strategy. The e-cology Corporation recently published a fact-finding study commissioned by the federal government on Open Source Software in Canada and business opportunities for Canada's ICT sector.

Jon "maddog" Hall is the executive director of Linux International, a non-profit association of computer vendors who support and promote Linux. He is an icon in the Linux and Open Source community and for more than 30 years he has been a programmer, systems designer, systems administrator, product manager, technical marketing manager and educator. He has worked for Western Electric Corporation, Aetna Life and Casualty, Bell Laboratories, Digital Equipment Corporation, VA Linux Systems, and is currently funded by SGI. He has taught at Hartford State Technical College, Merrimack College and Daniel Webster College. Mr. Hall is the author of numerous magazine and newspaper articles, many presentations and one book, "*Linux for Dummies*". He serves on the boards of several companies, and several non-profit organizations, including the USENIX Association. Hall has traveled the world speaking on the benefits of Open Source Software, and received his BS in Commerce and Engineering from Drexel University, and his MSCS from RPI in Troy, New York.

Wednesday, April 14, 2004
KEYNOTE Free to all attendees

2:00pm – 2:50pm
CJ Coppersmith, Director of Linux Strategy Hewlett Packard
Dan Ryan Mgr. of infrastructure & desktop management City of Calgary

THE FUTURE OF LINUX: TURNING THE VISION INTO REALITY

More and more customers are realizing the advantages of the low cost, reliability and scalability provided by Linux. Coppersmith will discuss HP's vision for Linux and how the company is using Linux to help customers increase the flexibility and adaptability of their infrastructures and build next-generation data centers. He will demonstrate how HP is partnering with customers for end-to-end Linux business solutions – including optimized IA-32 and IPF platforms; clusters and other high-availability solutions; management software; services for deploying, supporting, and managing Linux environments; and, the vital ecosystem of partners that is helping deliver this innovation. Dan Ryan, will introduce a real-life example of how the City of Calgary's IT Department has put to use HP's Linux platform to reduce costs while improving performance. Dan will present this case study in detail in seminar 317

CJ Coppersmith, director of Linux Strategy for HP, is responsible for Linux Strategy and Business Planning, including relationships with distributors and software partners. Previously CTO in HP's Alpha Systems Division, he has managed eBusiness and operating system security and interoperability programs for HP. CJ holds Bachelor of Science degrees in Biology and Chemistry from Allegheny College and the University of Pittsburgh, respectively, and a Master of Science degree in Computer Systems Engineering from Northeastern University.

Dan Ryan, mgr. of infrastructure & desktop management City of Calgary Dan Ryan has worked in a variety of roles with The City of Calgary over the past 20 years including finance, application development, utility deregulation and marketing,and most recently as Manager of Infrastructure and Desktop Management. Several of the projects Dan has led during his career at The City have received both national and international recognition including their tremendous success story around Linux. In 1992, Dan earned his Information Systems Professional (ISP) designation.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

3:00pm – 4:00pm
211 SECURITY ENHANCEMENTS BY RED HAT
TRACK: SECURITY
SPEAKER: Ulrich Drepper
Details to come soon

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

3:00pm – 4:00pm
212   KDE GROWS BEYOND THE DESKTOP
TRACK: DESKTOP
SPEAKER: George Staikos

KDE is a powerful Open Source graphical desktop environment and the leading desktop environment for Linux based systems. This seminar presents an overview of KDE and new features in the latest release a case study of a KDE deployment and "Kolab" a groupware client and server for Linux (a Microsoft Exchange server replacement with compatibility for Outlook and other mail clients). Attendees will learn how to use the Kolab server to break their dependency on commercial e-mail solutions and how KDE provides a complete desktop solution for Linux and what enterprise features it contains. A case study delivered by a representative from DisplayWorks will outline their experiences and the benefit of migrating to a Linux/KDE.

George Staikos, is a professional software developer from Toronto, Canada. He has been using and developing for Linux since 1993, and has been a KDE developer since 1999. He is presently a member of the core KDE development team and the North American press contact for KDE. George develops Linux, KDE, and generally portable GUI and web software.

3:00pm – 4:00pm
213 LINUX IN HIGH END COMPUTING
TRACK: CLUSTERING:HPC
SPEAKER: Dirk Hohndel

Linux is successful in edge-of-network servers. Customer demand has created convincing deployments and significant market segment share of web, file and print servers running Linux. Through case studies with capability analysis combining practical experience with theoretical analysis, this seminar will present insights into the broad areas where Linux can be successfully deployed and provide pointers on new developments based on the next generation of the Linux kernel. Including:
- are there more exclusive areas of computer use today?
- is Linux ready to be used in high performance computing or as data base engine at the core of a corporate data center?
- what about a web services application server?

Dirk Hohndel, technical software strategist for Intel and founder of Linux and Open Source Strategy he focuses on operating systems and managed runtimes. He worked as Chief Technology Officer of SuSE Linux AG and as Vice President of The XFree86 Project, Inc. Prior Dirk was Unix Architect at Deutsche Bank, and Senior Software Engineer for AIB Software Corporation (acquired by PLATINUM technology). Dirk holds a Diploma in Mathematics and Computer Science from the University of Würzburg, Germany. He lives in Portland, OR.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

3:00pm – 4:00pm
214   **THE OPEN SOURCE ADOPTION CONUNDRUM**
TRACK: **NETWORKING, EXECUTIVE SUMMIT**
SPEAKER: **Matt Asay**

The IT world is increasingly divided between closed and open systems making the choice between the two critical. Is your network and associated IT a Trojan horse for your vendor to control you and your data, or is it a tool that maximizes utility and gives you the option to go elsewhere for better service? Open Source can put you in control of your IT, and generates innovation, whether you are a vendor or end-user. This seminar will discuss the perils and promise and the importance of having choice in IT, and will provide detailed examples of the difficulties and payoff inherent in the transition from a closed-source IT user to an Open Source adopter.

Matt Asay, director, Linux Business Office of Novell is responsible for charting Novell's Linux/OSS strategy. He has spent most of his professional life developing novel ways to monetize Open Source software. Asay was GM of embedded Linux startup Lineo's Network & Communications business, and moved from Lineo to Novell, where he is putting on the industry's largest conference on models for monetizing Open Source software, called Open Source Business Conference. Asay holds a juris doctorate from Stanford, where he worked with Larry Lessig on analyzing the GPL and other Open Source licenses.

3:00pm – 4:00pm
215   **LEGAL ISSUES IN OPEN SOURCE LICENSING**
TRACK: **WEB INTERNET, GOVERNMENT, EXECUTIVE SUMMIT**
SPEAKER: **Arshia Tabrizi**

Technology lawyer Arshia Tabrizi goes beyond the myths & misunderstandings about dangers of using Linux & Open Source software and answers questions including: Do I have to license back my modifications? Can I do anything I want with Open Source software? Can I keep the copyright in my code? Topics covered:
- history and concept of Open Source software
- copyright protection for software products
- software licensing from a business and legal perspective
- analysis of licensing issues for Linux under GPL & LGPL
- other Open Source licenses (BSD, Perl etc.) and distinguishing factors
- licensing your product using Open Source and Innovative Business Models
- **SCO litigation regarding Copying of Code from Unix into Linux**

Arshia Tabrizi, is the founding partner of Tabrizi Law Office, a technology law firm in Toronto with a wide range of experience in technology law, including negotiating Open Source agreements with some of the largest software vendors in the world. Tabrizi advises emerging and established companies on business, technology and intellectual property law. Previously, he worked in the technology transactions group at the Silicon Valley law firm of Wilson, Sonsini, Goodrich & Rosati, where he advised leading companies in the communication, networking equipment, Internet infrastructure, hardware and software industries. Tabrizi is a member of the State Bar of California and the Law Society of Upper Canada, and holds a Juris Doctor and a B.A.Sc. (Hon.) in Computer Engineering from the University of Toronto. Recently, he was profiled in the CBA's National magazine.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

4:15pm – 5:15pm
216   USING LINUX TO PROVIDE QUALITY OF SERVICE FOR NETWORK INFRASTRUCTURES
TRACK: SECURITY, GOVERNMENT, EXECUTIVE SUMMIT
SPEAKER: Doug Hass

The Internet has become the infrastructure of choice for businesses and consumers for an increasing array of communications technologies. However, as organizations shift more mission-critical commerce applications to their IP infrastructure, maintaining end-to-end quality of service becomes critical. Based on the Differentiated Services RFC, Linux can solve these QoS issues. This seminar will examine case studies and address end-to-end quality of service, methodologies and implications under Linux, the technical issues for administrators and network providers, and state-of-the-art technologies for Linux. Case studies include DNS Online, a full-service ISP in northern Indiana providing dial-up, Web hosting, co-location and wireless services http://www.dnsonline.net and Mid America National Bank, a regional bank based in Canton, Illinois with multiple branches in southern Illinois. http://www.midnatbank.com

Doug Hass, executive vice president and chief operations officer of ImageStream Internet Solutions is responsible for all day-to-day business functions and directs ImageStream's corporate training programs. Previously, he served as ImageStream's vice president of sales where he successfully led the management of ImageStream's Linux-based router line, transforming ImageStream into the largest Linux router and WAN supplier in the United States Prior to joining ImageStream, he was the vice president and COO of South Bend, Indiana-based Skye/net, where his marketing and operations vision spurred Skye/net's growth, and transformed the company into the largest ISP in northern Indiana.

4:15pm – 5:15pm
217   JAVA ON THE DESKTOP
TRACK: DESKTOP, EXECUTIVE SUMMIT
SPEAKER: Gordon Sissons

Is now the time to move Linux onto the mainstream business desktop? Momentum is growing around Linux and an increasing number of major players are showing support. Gordon will discuss the new opportunities Linux brings to organizations and participants will learn:
- how to cost-effectively deploy Linux office productivity applications on the desktop
- what environments offer the greatest ROI from the desktop applications space
- to what degree have productivity offerings like StarOffice and OpenOffice.org been successful.

Gordon Sissons, VP of products and technology and VP of products and technology at Sun Microsystems of Canada is responsible for the product segment sales of Sun hardware products in Canada and the management of Sun Microsystems of Canada's presales technology organization. In 1996, Sissons was promoted to regional systems engineer manager, eastern Canada and recognized as systems engineer manager of the year for fiscal 1999 and 2000. In April 2000, Sissons was promoted to regional technology manager for Sun's national and partner region technology teams. Previously, he worked for Data General (Canada) Inc. Sissons received his Bachelor of Computer Systems Engineering degree from Carleton University in Ottawa.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

4:15pm – 5:15pm
218   HIGH AVAILABILITY SOLUTIONS: CRITICAL ELEMENTS
TRACK: CLUSTERING:HPC
SPEAKER: Daniel P. Cox

High availability is a business critical requirement in the enterprise. Proprietary, community partner and Open Source solutions are available in the Linux environment. However, not all products will protect you from all disasters and you must be cautious when making your analysis. Senior level IT and systems administrators will learn how to save time and valuable dollars by understanding the critical elements required when designing and implementing a high availability solution.

Dan P. Cox, strategy & planning manager for High Availability and Clustered System Solutions HP. He serves as the HPC evangelist for Industry Standard Servers. He joined Compaq in 1997 to provide his experience and skills for Compaq's clustered system efforts and in dealing with Large Scale and Mid Range customer sets. His 30 years at IBM with both field, development, and headquarters experience blended with his knowledge of clustered computing technology is a valuable addition to Compaq's Industry Standard Server Group's Enterprise High Availability Business Segment. He has been focused on High performance Computing in the Beowulf cluster space for two years blending his Large Scale computing experience to industry standard product solutions and Dan has a B.S. in Business, M.S. in Computer Science from San Jose State University - California where he started his IT career with IBM.

4:15pm – 5:15pm
219   ACROSS THE GREAT DIVIDE: LINUX FOR WINDOWS ADMINISTRATORS
TRACK: NETWORKING
SPEAKER: Dan York

Despite the flame war coming from both sides, the reality is that both Linux and Windows have a role to play in enterprise networks. If you are a Windows administrator, or responsible for a Windows-centric infrastructure, join this informative session to understand the similarities and differences between Linux and Windows, the strengths and weaknesses of both - and most importantly how the two operating systems can interoperate. Whether you already have Linux running in your network, are considering a pilot project, or just want to know more but don't know where to start, this seminar will help you understand how to build upon your Windows knowledge to rapidly get started working with Linux.
Bonus! Be one of the first 35 attendees to Get a free copy of Dan's book

Dan York, director of product management for Mitel Networks' Linux-based server products and co-author with Mark Minasi of book *Linux for Windows Administrators. He* co-authored and has written several other books and numerous articles on Microsoft MCSE certification, networking, Linux, Internet and security topics. He was one of the co-founders of the Linux Professional Institute (LPI) certification program and spent 14 years in the corporate IT training industry teaching a diverse portfolio including Windows certification, Linux, publishing and Internet courses.

Wednesday, April 14, 2004
CONFERENCE SEMINARS Continued

4:15pm – 5:15pm
220   OPEN SOURCE WEB AND INTERNET SOLUTIONS FOR OS10
TRACK: WEB/INTERNET
SPEAKER: Bruce Hough

Are you considering an Open Source approach to deploying web strategies for your business or customers? Mac OS X Server incorporates the best of Open Source and open standards for building and deploying web-based services, along with incredible stability and power of a traditional UNIX-based environment. Learn how the BSD base of Mac OS X delivers Open Source power to the Macintosh platform and seamlessly fits into a heterogeneous networks of machines, including Windows and Linux. Discover more about Mac OS X's out-of-box web services that provide web managers with flexibility in building services. Receive information on the new Xcode Developer Tools that come with Mac OS X Panther and the newly enhanced management features that make administering services on OS X incredibly easy. This in-depth seminar is specifically designed for web specialists and service providers.

Bruce Hough is a senior consulting engineer; Apple Professional Services Group has extensive client/server expertise and is involved with a wide range of professional service engagements for Apple.

Thursday April 15, 2004
CONFERENCE SEMINARS

8:30am – 9:30am
301   CONTROLLING YOUR SECURITY DESTINY
TRACK: SECURITY, EXECUTIVE SUMMIT
SPEAKER: Scott Wimer

The key problem with security today is that it is driven by factors outside of our control. The common themes of, reduce and eliminate vulnerabilities and improve security admin response time are either impracticable or unreasonable. We must address the root causes not the symptoms to achieve success. The process of looking at security from a basis of control is new to the security industry. However, the model is familiar to the business world and engineering disciplines. This seminar will teach you how to use this approach and how to identify the key causal factors in the security problems you face and determine who is in control of those factors. At the end of the program, you will have a clearer vision of how to meet security challenges and win.

Scott Wimer, CTO at Cylant, works on applying behavioral measurement technologies to the areas of reliability, availability, and security. His current emphasis is on behavioral measurement based intrusion detection and prevention of the Linux platform. He is the former head of Earthlink's Advanced Technical Services group, and an expert in software and server security. He has worked extensively on the development of technology, which will make Linux the first "hack-proof" operating system. He has spoken at several industry conferences and authored a number of articles on the future of computing security.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

8:30am – 9:30am
302   **LINUX REPLACES WINDOWS, ONE DESKTOP AT A TIME – A CASE STUDY**
TRACK: **DESKTOP, EXECUTIVE SUMMIT**
SPEAKER: **Ralph DeFrangesco, Joe Lui**

This presentation will take participants through a case study of a Windows to Linux migration. This case study focuses on a small company and compares and contrasts whether the migration was a success. Attendees will learn:
- the five most important questions to ask before embarking on this kind of project
- what are some of the advantages and disadvantages of migrating to Linux
- what problems you can expect
- what rollout strategy to use and what training your users might need

Ralph DeFrangesco architecture program manager, Aetna Inc. Previously he worked for fortune 500 companies in various positions including chief technical architect, IS manager and midrange services manager. He holds undergraduate degrees in Music, Computer Science, an MBA in Information Systems and is currently a PhD candidate.

Joe Lui, is the international director of indirect channels development for Information Builders, in New York City. An internationalist and a senior executive in technology, he has 20 years of marketing, sales, and management experience. Joe speaks regularly about enterprise information retrieval; consults extensively with international corporations and develops new markets for software product entry in America, South America, Asia, Middle East and Australia. He holds a MBA in Marketing Management; teaches marketing at the University of Phoenix Online and currently pursuing his PhD in Information System.

8:30am – 9:30am
303   **BUSINESS FINANCE SOFTWARE FOR LINUX – AN OVERVIEW**
TRACK: **FINANCE**
SPEAKER: **Christopher Browne**

Why is Linux a good platform for accounting systems? What kinds of accounting systems run on Linux? As a multi-tasking, multi-user system, separation of applications into different components running as different users is natural, and Linux provides a robust base for systems you need to keep running. In large organizations, you need to track activities that do not fit with the standard functionality of even the most elaborate ERP system. The value of the custom system is that it can automatically apply the policies, saving time and eliminating whole classes of errors. This seminar addresses why you should consider Linux for "custom/bespoke" systems.

Chris Browne has held a variety of information technology roles, including consulting engagements with SHL Systemhouse (now EDS), AMR, Sabre Inc. and Afilias. He has several years of development work with SAP R/3, and design, development, and deployment work for numerous "bespoke" accounting systems. He co-authored the *Wrox Press* books, *Professional Linux Programming* (2000) and *Professional Open Source Web Services* (2002), and articles for Internet-based forums including *First Monday, Linux Journal*, and *Freshmeat.ne*

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

8:30am – 9:30am
304   THE ADAPTIVE ENTERPRISE STRATEGY
TRACK: EXECUTIVE SUMMIT
SPEAKER: Bill Dupley

Competitive pressures and increasing cost reductions are forcing organizations to find new ways to strategically change and change quickly to survive. HP as a corporate body has these challenges. Bill Dupley will describe how HP is reengineering their entire information technology architecture to enable rapid change and radical cost reduction. Executives and IT managers will learn the four major components of HP's Adaptive Enterprise IT architecture and review case studies from within HP showing how these new approaches to IT are working.

Bill Dupley, business solutions manager HP Canada responsible for HP's Adaptive Enterprise solutions. In this role Bill integrates HP and HP Partners technologies, software, and services into solutions for HP customers. He has over 26-years of experience in Information system Consulting and development, and electronic manufacturing and is a specialist in IT process Re-engineering and adaptive enterprise design and construction. He built the IT Service Management Practice of HP Canada into the world leader in IT re-engineering and personally redesigned IT Processes and organizations for many leading Canadian corporations. Bill is a graduate of Ryerson University. He is a licensed Kepner Tregoe Project Management Consultant. He is a certified HP Quality instructor and has completed studies in Strategic Planning and Activity-based costing. Bill holds a masters level ITIL certificate in IT Infrastructure Service Management from the British Computer Society and is a global conference speaker for Hewlett-Packard.

8:30am – 9:30am
305   ERP APPLICATION ON LINUX: CITY OF BLOOMINGTON CASE STUDY
TRACK: GOVERNMENT
SPEAKERS: Gregory Volan, Venkat Sankaran

This seminar is a business case of the City of Bloomington's major upgrade of its Oracle Financials application to version 11i while simultaneously migrating from an HP-UX to a RedHat Linux environment. Bloomington's experience will review the costs and benefits of running a major ERP application on a Linux platform, and the return on investment for using Linux. The seminar will include the technical challenges and solutions of migrating to a Linux platform during a major application upgrade, and identify strategies for ensuring the success of both projects.

Venkat Sankaran, principal consultant Mascon Global Limited has over 13 years of experience in the industry that includes multiple complete system implementation life cycles from analysis & design to delivery. He has strong experience in managing complex Oracle Application rollouts and other ERP, CRM solutions. His career spans a whole gamut of roles such as ERP, CRM Implementation Specialist, System Architect, Data Architect, Database Analyst/Designer and Technical Project Lead. Career spans delivery of enterprise solutions to a multitude of global companies in U.S.A, Mexico, Asia Pacific and Middle East.

Gregory Volan, CIO for the City of Bloomington. Previously he served as the president of BlueMarble Telecom, an Internet service provider serving south-central Indiana. He practiced law with Winston & Strawn in Chicago and was a law clerk to the Hon. Donald S. Russell on the U.S. Court of Appeals for the Fourth Circuit. He has a J.D. from the University of Michigan Law School and a B.A. from the University of Notre Dame.

Thursday, April 15, 2004
KEYNOTE Free with all attendee admission

9:45am – 10:45am

Open Computing for e-business on Demand: An Executive Perspective
Ed Kilroy, President of IBM Canada Ltd.

Today the marketplace is more demanding and volatile than it has ever been. To compete and survive, businesses must adapt and respond to unprecedented changes. Specifically where delivering products, services and solutions - On Demand. Fundamental to increasing the adaptive nature of any enterprise, large or small, is open computing and standards. This is demonstrated by the thousands of organizations, including IBM, that have embraced Linux as the cornerstone of their on demand business strategy. In this keynote address, Ed Kilroy, President of IBM Canada Ltd., will provide insight into IBM's on demand strategy; the key role that open standards play in the execution of that strategy; and the benefits that IBM and its customers' have achieved by opening their organizations to the exciting era of e-business on demand.

Ed Kilroy is President of IBM Canada Ltd., responsible for delivering information technology solutions to the Canadian marketplace. Since, April 2001, Ed has the exciting opportunity of leading IBM Canada and its customers in the implementation of the next wave of on demand e-business. Most recently, he was general manager of electronic commerce in IBM's Software Solutions Division, Somers, and New York responsible for IBM's overall e-commerce strategy and software products that enable business-to-business and business-to-consumer e-commerce. Ed joined IBM in 1982 and has held senior executive positions in sales, marketing and services for IBM in Canada, the United States and Australia including: director of marketing for the IBM Personal Computer Company; VP and GM of IBM Global Services Canada; and GM and CEO of IBM Global Services Australia/New Zealand. In addition to his responsibilities at IBM, Ed is: Vice Chair, Conference Board of Canada; Member, Canadian Council of Chief Executives; Member, Board of Directors, Ballard Power Systems; Board Member, Biotech MBA Program; Campaign Co-Chair, YMCA of Greater Toronto / Markham. Ed graduated in 1981 from Yale University with a Bachelor of Arts degree in Administrative Sciences. He received an Honorary Doctor of Education Degree from Nippissing University in 2002.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued
11:00am – 11:50am

306   SECURITY IN A LINUX ENVIRONMENT
TRACK: SECURITY
SPEAKER: David Safford

The threat is real! Today's businesses and organizations are experiencing an alarming number of security attacks resulting in financial losses. The complexity of today's IT networks means implementing a security-rich solution in any environment is a major challenge requiring extensive expertise in a variety of highly specialized disciplines. In this drill down seminar, you will learn:

- what Linux-based solutions are available to meet your security challenges
- why Linux is a securable environment
- importance of assessing your environment
- stages of implementing a secure Linux environment

Dave Safford manages IBM's Global Security Analysis Lab, where he directs research in security topics, including ethical hacking, wired and wireless network security auditing, Linux security, trusted computing, and security engineering. His current personal research includes Linux support for trusted computing, and compromise detection. Previously, he was director of supercomputing and networking at Texas A&M University, and a weapon system test pilot in the Navy.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

11:00am – 11:50am
307   STRATEGIC CONSIDERATIONS – MIGRATING TO THE LINUX DESKTOP
TRACK: DESKTOP, GOVERNMENT, EXECUTIVE SUMMIT
SPEAKER: Marcel Gagné

There is a huge buzz surrounding Linux on the desktop. A forward thinking manager/ administrator, you have been considering desktop Linux for your organization's future, but you are concerned about the "culture shock" awaiting your users. Just how different is desktop Linux when compared to Windows? Join Marcel Gagné, author of *Moving to Linux: Kiss the Blue Screen of Death Goodbye!,* for all the answers. Marcel will introduce you to the Linux desktop through a live demonstration of the desktop and its business applications. He'll highlight the similarities and the differences. In the end, you'll discover that desktop Linux is ready for your organization.
Bonus! Attend this seminar and have the chance to win one of Marcel Gagne's books

Marcel Gagné, is the award-winning author of the *Linux Journal* "Cooking with Linux Series", for which he received the Readers' Choice award for favorite column three years in a row. His latest book *Moving to Linux: Kiss the Blue Screen of Death Goodbye!*. His first book was the highly acclaimed *Linux System Administration: A User's Guide.* One of the best known voices of the Linux world, he has written over 200 articles on Linux and Open Source projects for various publications including *Linux Journal, InformIT, Unix Review, SysAdmin magazine,* and others. A long-time systems and network administrator, he runs a systems and network consulting firm, is a published science fiction author and editor, a pilot, and an avid science and astronomy buff.

11:00am – 11:50am
308   10 STEPS TO SUCCESSFUL LINUX MIGRATION
TRACK: FINANCE, EXECUTIVE SUMMIT
SPEAKERS: Evan Leibovitch and Matthew Rice

The leaders on Wall Street and Bay Street are taking the little penguin seriously. Learn the reasons why leading financial institutions; Credit Suisse First Boston, Morgan Stanley, Charles Schwab and Goldman Sachs have the made the switch to Linux and are not looking back. Gartner Group predicts that by the end of 2005, Linux adoption will reach 40% among all financial services firms. Don't miss this opportunity to learn the Ten Steps to a Successful Migration to Linux in the Financial Sector.

Evan Leibovitch, president, the Linux Professional Institute (LPI). He has been working with Unix and Linux on PC systems for almost 20 years. Most recently, he served as Vice-President, Business Development for Starnix Inc., Canada's leading Linux support and Services Company. Before Starnix, he played a strategic consultant role on Open Systems and Open Source issues to many organizations. He has also written analyses of the Unix and Linux marketplace for publications such as ZDNet and IEEE.

Matthew Rice, is CIO of LPI and current president and co-founder of CLUE. He is a partner in Starnix, one of the largest Linux centric IT consulting companies in Canada, where he makes regular use of his LPI certification. He coordinated the CLUE well attended Canadian National Installfest that had15 locations across Canada.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

11:00am – 11:50am
309   LINUX INDUSTRY DEVELOPMENT & ADOPTION TRENDS IN CANADA
TRACK: EXECUTIVE SUMMIT
SPEAKER: Warren Shiau

Industry development and trend information presented to Canadians tend to be based on US research and adapted to a Canadian model. This presentation by noted IDC senior analyst Warren Shiau provides actual Canadian market information and addresses:
- where is Linux actually being used and for what purposes
- what barriers still exist for broader Linux adoption and use
- the potential problems with industry/vendor Linux strategies that need to be addressed before Linux gains wider-spread adoption
- what platforms is Linux displacing, to what extent, and in which verticals

Warren Shiau, is a senior analyst for the software research program at IDC Canada Ltd where he delivers research on software markets and publicly and privately held companies with software operations in Canada. Before joining IDC, he was the North American research director for an Internet investment and financial content site. Previously, he was the chief financial officer of an advanced building materials supplier. His background in high tech related research includes international experience with leading firms in New York and Europe. Mr. Shiau holds an Honours Bachelor of Commerce degree from Queen's University.

Thursday, April 15, 2004
Visionary Free to all conference attendees

12:00pm – 12:50pm
VS3 – Systems Management – The New Frontier For Linux
Juergen Geck

Defining a common standard for systems management enables the Open Source community, to leverage current proprietary systems management tools to manage and run software stacks -- both Open Source and proprietary -- flexibly. The standard will enable ISVs to write to a single standard API for systems management -- providing Linux users with an explosion in available applications. Collaboration and knowledge sharing between IT vendors and Open Source projects will efficiently maintain standards and enable comprehensive support of systems management and hardware platforms alike. Learn: how Linux runs on every architecture; 90% of IT needs are addressed with Open Source; you are not tied to one vendor Open Source provides a complete ecosystem.

Juergen Geck, chief technology officer, SUSE LINUX responsible for aligning and communicating the company's technology strategy and helped design SUSE's flagship product, SUSE LINUX Enterprise Server and its maintenance model, enabling the first enterprise Linux offering in the market. He built strong alliances with partners AMD, Fujitsu-Siemens-Computers, HP, IBM, Intel, Oracle and SAP. Geck built a framework for SUSE to cooperate with all major hardware vendors and CPU manufacturers. In 2002, he introduced SUSE's Technology Partner Program to provide a scalable offering for all SUSE partners. He holds a masters degree in production engineering from the University of Erlangen, Germany.

Thursday, April 15, 2004
VISIONARY Free to all conference attendees

1:00pm – 1:50pm
VS4 -The Open Source Architecture Extending Open Source Beyond The Operating System
Karen Bennet

Karen Bennet, Red Hat vice president of tools, will offer her vision of the Open Source architecture and extending the value of Open Source beyond the operating system into other areas of the technology infrastructure. Special areas of focus include the integration layer and open source tools.

Karen Bennet, vice president of engineering, tools and applications at Red Hat, the world's leading providing of Linux and open source technology. Prior to joining Red Hat in late 1999 with Red Hat's acquisition of Cynus Solutions, Bennet held leadership roles at Fujitsu, IBM and Cygnus Solutions. Bennet's extensive knowledge of technology solutions ranges from the chip level through the middleware applications level with experience in numerous system platforms and industry sectors. In addition, she has been actively involved in all phases of product development, as well as working collaboratively with Sony in the development of the PlayStation 2 platform. Bennet is a member of the Institute of Women in Technology and IEEE.   She holds degrees in Mathematics and Computer Science from Queen's University.

Thursday, April 15, 2004
KEYNOTE Free to all attendees

2:00pm – 2:50pm
Jon "maddog" Hall executive director of Linux International
Free and Open Source: It's Place in Business and Government

Free and Open Source is the next step in software development. In the early days of computers, there was the era of "hand-crafted" software, then the era of "shrink-wrapped" software. Today the efficiencies of "shrink-wrapped" are being overwhelmed by the costs of changing your business to meet the needs of that particular software. The new model is choosing the software you need and using the money saved on non-payment of royalties to the manufacturers to tailor the software exactly to your needs using local software people. Find out how many world's governments and businesses are getting better service from their software providers, at lower costs, and with greater security.

Jon "maddog" Hall is the executive director of Linux International, a non-profit association of computer vendors who support and promote Linux. He is an icon in the Linux and Open Source community. and for more than 30 years he has been a programmer, systems designer, systems administrator, product manager, technical marketing manager and educator. He has worked for Western Electric Corporation, Aetna Life and Casualty, Bell Laboratories, Digital Equipment Corporation, VA Linux Systems, and is currently funded by SGI. He has taught at Hartford State Technical College, Merrimack College and Daniel Webster College. Mr. Hall is the author of numerous magazine and newspaper articles, many presentations and one book, "*Linux for Dummies*". He serves on the boards of several companies, and several non-profit organizations, including the USENIX Association. Hall has traveled the world speaking on the benefits of Open Source Software, and received his BS in Commerce and Engineering from Drexel University, and his MSCS from RPI in Troy, New York.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

3:00pm – 4:00pm
310   **CASE STUDY: LINUX THIN CLIENT IN A LARGE MEDICAL PRACTICE**
TRACK: **DESKTOP**
SPEAKERS: **Martin Echt, MD and Jordan Rosen**

Learn how a large cardiology group in Albany, New York converted its entire IT network (servers to desktops) from Micosoft/Novell to completely Open Source Linux Thin Client. The results are an enlarged the network from 150 to 200 thin terminals. Echt and Rosen will show that a thin client Linux solution is viable and financially attractive in a multi location high user intensity medium business environment including data transfer speed solutions, thin client costs and end user reactions. Learn:
- IT needs of 200+ employees, 35+ physicians, 7 locations
- technical implementation of initial conversion and lessons learned
- financial analysis of the thin client solution
- costs and problems in expanding the network
- technical questions and issues about network and application integration
- final results and reactions of end users.

Martin Echt, Ph D, a cardiologist at the Albany Medical Centre Albany, NY who lectures on the virtues of using Linux. Having deployed Linux thin clients in his practice, Dr. Echt was featured at the Desktop Linux Consortium's debut conference at Boston University's Corporate Education Center in November, *LinuxWorld* Expo in New York and has been featured in *BusinessWeek* and other publications for his move to the Linux operating system. He has a Ph D from Free University Berlin in Cardiovascular Physiology where he graduated "Magna cum Laude" in 1970.in his career he has published 30+ publications and journals and has held many positions on boards of medical institutions*.*

Jordan Rosen, president of LilleCorp. and heads the Applied Linux team within the Linux Infrastructure Division at LilleCorp. responsible for the evaluation, testing and integration of Open Source solutions for enterprise integration. He is responsible for delivering road maps for installation, integration, and management of all solutions from server to desktop. Previously, he was director of software development for Key Corps. Automated Workflow Information Management Solutions Division where he focused on process management and document imaging.

3:00pm – 4:00pm
311   **LINUX IN THE FINANCE SECTOR**
TRACK: **FINANCE**
SPEAKER: **Len Santalucia**

Linux has a growing presence throughout commercial and public sectors, the finance sector being one of the greatest exploiters of Linux. In this presentation, Len will describe how Linux is being used to provide an enhanced IT infrastructure within the finance sector. The presentation will cover both the applications solution areas in which Linux is being used and will provide real world examples of Linux in the finance sector.

Len Santalucia, senior consulting certified sales specialist for IBM Americas Linux Impact Team has been in the computer industry since 1973 and a 23-year IBM veteran. Len specializes in Linux, UNIX, NT, Object Oriented, LAN, and Internet technologies for the Financial Sector. He is a key liaison in providing customer requirements into the IBM eServer hardware lab and IBM Software Group. He is frequently sought after as a presenter of IBM's eServer Hardware, Software and Linux Strategy and Directions at IBM briefing centers and individual customers all over the world. Before, joining IBM Len spent over a decade with DEC and Burroughs in marketing and management positions.   **24 of 27**

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

3:00pm – 4:00pm
312   MIGRATION TO LINUX A SENIOR MANAGEMENT PERSPECTIVE
TRACK: EXECUTIVE SUMMIT
SPEAKER: Alan Freedman

The migration to Linux is happening, but where? What workloads are spurring growth for Linux and alternatively, what areas are resisting the lure of the Open Source movement? Employing a mixture of primary survey data and comprehensive forecasting models, this seminar provides insight into the workloads and what deployment drivers are leading Linux server adoption. Participants will view IDC survey data and analysis on server workloads, focusing on the Linux segment. You will also gain insight into market segments that IDC believes will be key to the future Linux market. Focusing on end user perspectives, the presentation provides guidance into key criteria in the Linux server purchasing process.

Alan Freedman is a research manager in the hardware division of the products research group, IDC Canada responsible for collecting insight and information on the multi-user server, enterprise storage and networking hardware markets in Canada. He provides market sizing, detailed market analysis, comprehensive forecasts and reporting on the latest trends in the server, storage and networking markets.

3:00pm – 4:00pm
313   CASE STUDY: CHILDREN'S SERVICES MIGRATION TO LINUX DESKTOP
TRACK: GOVERNMENT
SPEAKER: Randell Clarke

Randell Clarke, presents how 450 desktops were migrated to Linux on the desktop. In a head to head comparison deploying Windows vs. Linux on the desktop participants will see actual proof – not theory how one of the first government agencies successfully migrated to Linux on the desktop including the challenges for users and the cost and support benefits.

Randell Clarke, IT configuration specialist with the Children's Services Division of the City of Toronto has worked in the computer industry for the past 21 years. His IT career began as a programmer working in COBOL, then as a Network Administer looking after a Novell and Windows network. He has seen many changes from programming with punched cards to now working with thin clients on the desktops connecting to large back-end servers running Unix and Linux.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

4:15pm – 5:15pm
314   PROS AND CONS OF USING OPEN SOURCE FOR PERIMETER DEFENSE
TRACK: SECURITY, EXECUTIVE SUMMIT
SPEAKER: Jan Hichert

When hardware and software are used to enforce security, some argue that "best in breed" individual applications, from firewall to user authentication, should be put into place so that every function is fulfilled by the most technically advanced technology. A fine strategy if you have a large budget. Executives concerned with costs can look at policies, integrated solutions and Open Source software where multiple functions and modules are collected into a single network server. Learn:
- the challenges of implementing and maintaining OS security projects while keeping costs down
- Open Source for security versus proprietary
- advantages and limitations of using OS for perimeter defense
- how security is handled in the OS, insights into the Netfilter project, the packet filtering aspect of Linux

Jan Hichert, co-founder and CEO of Astaro AG, has seven years experience in Internet security and Linux from consulting with Internet Service Providers and business intelligence companies in Germany where he oversaw the building of Internet security services. Jan studied business management and computer science in St. Gallen and Karlsruhe.

4:15pm – 5:15pm
315   INTRODUCTION TO THE LINUX TERMINAL SERVER PROJECT - LTSP
TRACK: DESKTOP
SPEAKER: James McQuillan

Corporations large and small are actively installing Linux on the desktop. LTSP simplifies this task by providing Thin Client support to Linux. This results in a very robust environment, minimizing costs and deployment time. In addition to supporting new state-of-the-art Thin Client computers, LTSP allows you to use older computers as thin clients extending the life of those computers. This seminar will introduce LTSP, an overview of the new features in LTSP-4, and through case studies, show how corporations have saved significant amounts of money by deploying Linux with LTSP compared with traditional PCs running Windows. This seminar is of benefit to system administrators, application developers and anyone interested in deploying Linux on the desktop efficiently.

Jim McQuillan, has functioned as a chief technologist for more than 18 years and is responsible for the successful deployment of health care systems throughout the north eastern United States. He is founder and project leader of the Linux Terminal Server Project (LTSP), a free software project recognized worldwide as the standard method of deploying thin clients in a GNU/Linux environment.

Thursday, April 15, 2004
CONFERENCE SEMINARS Continued

4:15pm – 5:15pm
316   THE PLATFORM DEBATE: WHAT YOU NEED TO MAXIMIZE YOUR IT INVESTMENT
TRACK: EXECUTIVE SUMMIT
SPEAKER: Alec Taylor

The industry landscape is changing and the debate is heating up around the best choice for a company's IT platform. Alec Taylor, Senior Manager, Platform Strategy for Microsoft Canada Co., will discuss what CIOs need to look for when making critical IT platform decisions and what the long-term impact that decision will have on a company's performance. Sharing his first-hand experiences from the field, Alec will focus on the five building blocks for a successful IT strategy.

Alec Taylor, is senior manager, platform strategy for Microsoft Canada Co. where he works with clients to implement technology-driven solutions to meet their business challenges. His extensive experience gives him insight into the needs of Canadian companies. Prior to joining Microsoft, Alec worked at KPMG and was responsible for delivering solutions related to performance management and organizational effectiveness. Alec is a sought-after public speaker who has done numerous keynote addresses including the Canadian Association of Chiefs of Police, Conference Board of Canada, and Institute of Public Administration of Canada. Alec holds a Master's degree in Economics with a concentration in Public Administration and Public Policy from the London School of Economics.

4:15pm – 5:15pm
317   THE CITY OF CALGARY: IMPLEMENTING LINUX A CASE STUDY
TRACK: GOVERNMENT
SPEAKER: Dan Ryan

Calgary is a fast growing, dynamic City of approximately one million people served by a municipal government of 11,000 employees that is stretched to its capacity. The City's IT Department is a key enabler for front line customer services and has several initiatives underway to drive efficiencies in core service delivery. One of the leading success stories in 2003 was the research and implementation of Linux. This case study will uncover business case drivers, proof of concept findings and quantify the dramatic change in their environment including key performance and financial results.

Dan Ryan, manager of infrastructure and desktop management City of Calgary. Dan has worked in a variety of roles with The City of Calgary over the past 20 years including finance, application development, utility deregulation and marketing, and most recently as Manager of Infrastructure and Desktop Management. Several of the projects Dan has led during his career at The City have received both national and international recognition including their tremendous success story around Linux. In 1992, Dan earned his Information Systems Professional (ISP) designation.

The Executive Summit track is sponsored by IDC Canada.

The Desktop track is sponsored by The Desktop Linux Consortium.