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FREENIX Track: 2001 USENIX Annual Technical Conference

June 25–30, 2001
Boston, Massachusetts, USA

REFEREED PAPERS

Thursday, June 28, 2001

Mac Security

Session Chair: Dan Geer, @stake, Inc.

LOMAC: MAC You Can Live With
Timothy Fraser, *NAI Labs*

TrustedBSD: Adding Trusted Operating System Features to FreeBSD
Robert N. M. Watson, *FreeBSD Project, NAI Labs*

Integrating Flexible Support for Security Policies into the Linux Operating System
Peter Loscocco, *NSA*, and Stephen Smalley, *NAI Labs*

Scripting

Session Chair: Erez Zadok, SUNY at Stony Brook

A Practical Scripting Environment for Mobile Devices
Brian Ward, *University of Chicago*

Awarded Best Paper!
Nickle: Language Principles and Pragmatics
Bart Massey, *Portland State University,* and Keith Packard, *SuSE Inc.*

The Design and Implementation of the NetBSD rc.d System
Luke Mewburn, *Wasabi Systems, Inc.*

Google Exhibit 1136
Google v. VirtaMove

User Space

Session Chair: Alan Nemeth, Compaq

User-Level Checkpointing for LinuxThreads Programs
William R. Dieter and James E. Lumpp, Jr., *University of Kentucky*

Building an Open-source Solaris-compatible Threads Library
John Wood, *Compaq Computer UK Ltd*

Are Mallocs Free of Fragmentation?
Aniruddha Bohra, *Rutgers University,* and Eran Gabber, *Lucent Technologies–Bell Labs*

Friday, June 29, 2001

User Environment

Session Chair: Ken Coar, The Apache Software Foundation/IBM

Sandboxing Applications
Vassilis Prevelakis, *University of Pennsylvania*, and Diomidis Spinellis, *Athens University*

Building a Secure Web Browser
Sotiris Ioannidis, *University of Pennsylvania*, and Steven M. Bellovin, *AT&T Labs–Research*

Citrus Project: True Multilingual Support for BSD Operating Systems
Jun-ichiro itojun Hagino, *Internet Initiative Japan Inc.*

Kernel

Session Chair: Drew Gallatin, Duke/FreeBSD

Kqueue–A Generic and Scalable Event Notification Facility
Jonathan Lemon, *FreeBSD Project*

Improving the FreeBSD SMP Implementation
Greg Lehey, *IBM LTC Ozlabs*

Page Replacement in Linux 2.4 Memory Management
Rik van Riel, *Conectiva Inc.*

Storage

Session Chair: Clem Cole, Paceline Systems Corp.

User-Level Extensibility in the Mona File System
Paul W. Schermerhorn, Robert J. Minerick, Peter Rijks, and Vincent W. Freeh, *University of Notre Dame*

Volume Managers in Linux
David Teigland and Heinz Mauelshagen, *Sistina Software, Inc.*

The Design and Implementation of a Transparent Cryptographic File System for UNIX
Giuseppe Cattaneo, Luigi Catuogno, Aniello Del Sorbo, and Pino Persiano, *Università di Salerno*

Saturday, June 30, 2001

Graphics

Session Chair: Gary Paxinos, Metro Link/XFree86

Design and Implementation of the X Rendering Extension
Keith Packard, *XFree86 Core Team, SuSE Inc.*

Scwm: An Extensible Constraint-Enabled Window Manager
Greg J. Badros, *InfoSpace.com*; Jeffrey Nichols, *Carnegie Mellon University;* and Alan Borning, *University of Washington*

The X Resize and Rotate Extension–RandR
Jim Gettys, *Compaq,* and Keith Packard, *XFree86 Core Team, SuSE Inc.*

Securing Networks

Session Chair: Ted Faber, ISI/USC

Awarded Best Student Paper!
MEF, Malicious Email Filter–A UNIX Mail Filter That Detects Malicious Windows Executables
Matthew G. Schultz and Eleazar Eskin, *Columbia University*; Erez Zadok, *SUNY Stony Brook*; Manasi Bhattacharyya and Salvatore J. Stolfo, *Columbia University*

Cost Effective Security for Small Businesses
Sean R. Brown, *Applied Geographics, Inc.*

Heimdal and Windows 2000 Kerberos–How to Get Them to Play Together
Assar Westerlund, *Swedish Institute of Computer Science,* and Johan Danielsson, *Center for Parallel Computers, KTH*

Resource Management

Session Chair: Theodore Ts'o, VA Linux Systems

Predictable Management of System Resources for Linux
Mansoor Alicherry, *Bell Labs,* and K. Gopinath, *Indian Institute of Science*

Scalable Linux Scheduling
Stephen Molloy and Peter Honeyman, *CITI–University of Michigan*

A Universal Dynamic Trace for Linux and Other Operating Systems
Richard J. Moore, *IBM, Linux Technology Centre*

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