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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.*

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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