

For additional information contact:

Patrick Corman
Corman Communications, LLC
(650) 326-9648
patrick@cormancom.com

Karen Burke
Corman Communications, LLC
(650) 938-6852
karen@cormancom.com

FOR IMMEDIATE RELEASE

Cryptography Research's Nate Lawson to Speak at USENIX '04

Presents Lessons Learned in Secure Storage for Digital Cinema

SAN FRANCISCO, Calif. June 28, 2004 – Digital cinema transforms the protection and physical transport of film cans into an outsourced storage security problem, but security expert Nate Lawson believes that conventional IT solutions are not up to the task. Lawson, senior security engineer at Cryptography Research, Inc., has used open source software to rapidly prototype digital cinema storage solutions and will offer advice on how to maintain security throughout the entire cinema life cycle, from filming and production to projection, at the USENIX '04 Annual Technical Conference.

Lawson's presentation, "Building a Secure Digital Cinema Server Using FreeBSD," is scheduled for 3:30 p.m. on Tuesday, June 29 in the Boston Marriott Copley Place Hotel.

"Traditional storage security solutions are designed to operate within a data center under the data owner's physical management and control, but in digital cinema, the data representing the film passes through multiple parties with different incentives and levels of security," said Lawson. "While encryption is important, it is not sufficient to ensure data integrity or provide the evidence needed to ensure accountability and mitigate leaks at critical junctures in film production and distribution."

According to Lawson, the projection booth at the local cinema is rapidly taking on many of the aspects of a traditional IT data center, with racks of computers and storage devices, high-bandwidth LANs and SANs, and other equipment. Digital cinema is still in an embryonic stage, with about 90 digital cinema-ready theaters across the U.S. Lawson's talk will present new

criteria for evaluating storage security solutions, from disk encryption or file system encryption to other storage security products, and show how open source software supported the rapid development of a prototype digital cinema server in a proprietary environment. Lawson will also discuss the importance of standardization efforts, including the Digital Cinema Initiative.

Nate Lawson, senior security engineer at Cryptography Research, is focused on the design and analysis of platform and network security. Previously, he was the original developer of ISS RealSecure and various products for digital cinema, storage security, network mapping, and IPSEC. Nate has evaluated cryptographic systems for FIPS 140 and other secure standards. He is a FreeBSD developer in his spare time, contributing a SCSI target driver and working on ACPI and CAM. Nate holds a B.S. computer science degree from Cal Poly and is a member of USENIX and SMPTE.

USENIX, the Advanced Computing Systems Association, supports and disseminates practical research, provides a neutral forum for discussion of technical issues and encourages computing outreach into the community at large. USENIX conferences have become essential meeting grounds for the presentation and discussion of advanced developments in all aspects of computing systems.

About Cryptography Research, Inc.

Cryptography Research, Inc. provides consulting services and technology to solve complex security problems. In addition to security evaluation and applied engineering work, CRI is actively involved in long-term research in areas including tamper resistance, content protection, network security, and financial services. This year, security systems designed by Cryptography Research engineers will protect more than \$60 billion of commerce for wireless, telecommunications, financial, digital television, and Internet industries. For additional information or to arrange a consultation with a member of our technical staff, please contact Jennifer Craft at 415-397-0329 or visit www.cryptography.com.

###