

in this issue

01

codenomicon wins Red Herring 100 award

02

CROSS Improves Open Source Robustness

03

spotlight on file systems and storage

04

product news

05

news and events



CODENOMICON defensics™

newsletter.02.07

01

Codonomicon receives Red Herring 100 Europe award



Red Herring Award Recognizes the 100 "Most Promising" Companies Driving the Future of Technology

Codonomicon has been chosen as a Red Herring 100 Europe company – an award given to the top 100 private technology companies based in the EMEA (Europe, Middle East and Africa) region each year. Red Herring is a global media company which unites the world's best high technology innovators, venture investors and business decision makers in a variety of forums.

"We are pleased that our value proposition of delivering proactive pre-deployment security and robustness solutions for IP-based, Wireless, and Digital Media systems are being recognized worldwide," said Isaac Sundarajan, Chief Executive Officer at Codenomicon. "Both our customer success with Fortune 500 companies as well as being an honoree of this prestigious Red Herring award is a testament to our vision and technology."

Red Herring Editor-in-Chief, Joel Dreyfuss pointed out that this year's impressive list of winners demonstrates Europe's emergence as a major player in the global technology sector.

The exceptional accomplishments of European technology companies like Codenomicon are a testament to the rapid advancements being made in building the European innovation ecosystem. Red Herring has a tradition of identifying new and innovative technology companies and entrepreneurs. Companies like Google, eBay and Skype were spotted in their early days by Red Herring.

JUST ANNOUNCED!

FREE WEBCAST with Ari Takanen, Codenomicon CTO

Login now for "Understanding New Attack Vectors: Network Protocols, Wireless Infrastructure and Digital Media"

http://searchsecurity.bitpipe.com/data/document.do?res_id=1172176874_36&src=wc_ssec_Codonomicon_03_13_07_c

ARI TAKANEN speaks at VON Europe

"The Real Risks of VoIP Security," Thursday, 14 June 2007, 1:05pm - 2:00pm

EXECUTIVE BRIEFING during VON EUROPE
13 June 2007, Stockholm, Sweden

Special guest speaker to be announced soon!

Mark your calendars for an exciting, hands-on session where you will learn how DEFENSICS can help you build security and robustness into your development process.

02

CROSS improves open source robustness

Heikki Kortti
Codenomicon

Codonomicon is proud to announce the launch of the CROSS (Codenomicon Robust Open Source Software) project, an initiative to improve the robustness and security of popular open source software with award-winning DEFENSICS tests. In the initial phase of CROSS, we are targeting 15-20 hand-picked open source projects, with more being added over time. For more details, see the press release on our web site at <http://www.codenomicon.com/media/press-releases/2007-03-26-2.shtml>.



03 Spotlight: File Systems/Storage

Codenomicon defends against network data storage threats

Recent years have seen a steady trend towards networked data storing with Storage Area Networks (SAN) and Network Attached Storage (NAS). Traditionally, SAN systems have been isolated islands in corporate data centres, but several forces have been driving these systems to open up the doors to external networks. Requirements for better resource utilization and de-centralized access, as well as governmental regulations that mandate longer data storing times and disaster recovery, force organizations to open SAN systems to public IP networks. Furthermore, ethernet based iSCSI is steadily gaining ground over the Fibre Channel as a means of creating the basic SAN connectivity.

Together these factors open up an unprecedented amount of potential attack vectors to SAN/NAS systems. To make matters worse, storage systems have been originally designed for high capacity and performance, with security often being just an afterthought. During the past years, several high-profile vulnerabilities have been publicly reported for the protocols like CIFS/SMB, iSCSI, RPC and NFS that are among the basic building blocks of networked storage systems.

While any SAN/NAS vulnerabilities can easily have a severe impact on big service providers, financial institutions and governments, the threat is also real for a great amount of other application domains. For example, CIFS/SMB problems can affect almost every PC owner, and RPC can be found in very diverse devices, such as wireless and wired network infrastructure appliances.

DEFENSICS Filesystems & Storage solution enables organizations to defend against yet another attack vector in converging network environments that are increasingly open and vulnerable. Together with Codenomicon's existing solutions for defending against IP-based, digital media and wireless attacks, organizations can proactively evaluate the robustness of their systems on multiple levels.

DEFENSICS Filesystems & Storage tools can be used for ensuring robustness of the networked storage appliances against both previously known and zero-day vulnerabilities in CIFS/SMB, iSCSI, RPC and NFS protocols early in the software development lifecycle.

In addition to threats associated with the actual networked data storage protocols, multiple related attack vectors can be identified. These include attacks against the hosts and application servers, exploits through management interfaces of servers or storage gateways. As most of the traffic is carried on the top of TCP/IP, a security hole in the transport layer or in any other underlying layer can expose almost any appliance to attacks.

04 Product News

Codenomicon Breaks New Ground During Q1

The development team at Codenomicon enjoyed a great start for 2007 by releasing several **new ground-breaking DEFENSICS testing solutions** before the end of Q1. The released tools cover network file systems, core telecommunications, authentication, layer 2 switching, as well as network device configuration.

New Ethernet-Based Tools for LAN Robustness

Layer 2 network and switch control protocols are a new application area for Codenomicon DEFENSICS. We entered this area by launching our test tools for LACP (Link Aggregation Control Protocol) and STP (Spanning Tree Protocol). Codenomicon LACP Test Tool is intended for testing network switches and hosts which support IEEE 802.3ad link aggregation. In addition to basic LACP, the test tool contains tests also for VLACP (Virtual LACP). Codenomicon STP Test Tool is intended for verifying the robustness of IEEE 802.1D Spanning Tree Protocol implementations. In addition to basic STP, the test tool contains support and tests also for RSTP, MSTP and ESTP.

Dual Solution Augments H.248 Tests

Our existing H.248 Media Gateway Controller Test Tool received a companion tool for testing H.248 Media Gateways. H.248 is an extremely complex protocol used in critical telecommunications networks, and as such it needs to be verified thoroughly. Our dual offering now ensures that both main types of H.248-capable devices can be tested with DEFENSICS tests.

New Tests for Kerberos, UPnP, and DHCPv6

In addition to the products listed above, Q1 saw the release of our DEFENSICS test tools for Kerberos, UPnP, and DHCPv6 servers. Due to its critical role in authentication, the robustness of Kerberos implementations needs to be verified as closely as possible. Our Kerberos tool improves the quality of Kerberos server implementations, reducing the risk of attackers penetrating crucial systems or networks. On another front, the Codenomicon UPnP Test Tool was released to discover and help fix flaws in Universal Plug-and-Play implementations, which are rapidly gaining ground in today's networked environments. The DHCPv6 Server Test Tool augments our existing server and client-side tests for IPv4 DHCP.

Updates to Existing Products

Existing DEFENSICS tools updated during Q1 includes our Bluetooth test bundle, which received new client-side tests for HFP and HSP, as well as new tests for SAP and HID. Other tools that received significant updates with new features and tests include H.323, IPsec, ISAKMP/IKE, SIP UAS, SIP UAC, RTP, SigComp, and SCTP. Finally, tests for the Windows Metafile (WMF) format were added into our Images Test Tool, further improving our file format testing coverage.

05

upcoming events worldwide

Interop Moscow
May 30 - 31

VON Europe Spring
11-14 June, Stockholm
Ari Takanen, speaker

Interop Tokyo 2007
11-15 June, Tokyo, Japan
Exhibitor (with Toyo Corp.)

Infosecurity Canada 2007
13-14 June, Toronto, Canada
Exhibitor

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