

How Cisco IT Upgraded Intrusion Detection to Improve Scalability and Performance

Migration to Cisco IDS 4250 Sensor improves intrusion detection performance and manageability.

BUSINESS BENEFITS

- Provides first line of defence against network security breaches
- Responds before damage occurs
- Creates detailed data on intruders and method of intrusion
- Prevents data loss or business-function disruptions

The FBI and CERT Coordination Center reported more than 164,000 security incidents in 2003, with an average financial loss of \$2 million per incident.

Comprehensive network security has no substitute. Firewalls are Cisco IT's first line of network defense, protecting against most intrusions from outside the network and intrusions into data centers. Firewalls are effective but limited in scope. Cisco IT needed more security at the network perimeter.

An integral component of network security, an intrusion-detection system (IDS) functions with firewalls to protect against intrusions at the network perimeter. For network security, firewalls are like strong locks on doors that can block the casual intruder. Just as alarms and cameras prevent against physical attacks, an IDS alerts network staff to electronic attackers. An IDS not only collects information about the intruder, but provides data necessary to identify the best approach to addressing the network security breach.

Cisco deployed 35 Cisco IDS 4230 sensors worldwide. These sensors protect the network perimeter, alert IT staff when an intruder has penetrated the firewalls (or is within the firewalls), and captures data to help identify the IP address of the intruder.

Cisco's IDS proved its value shortly after implementation. During the Code Red and NIMDA outbreaks, the Cisco IDS 4230 sensors detected a suspiciously high increase in traffic. Cisco IT and security staff immediately began preventive actions, averting disastrous effects on Cisco's network and business operations.

Case Study: http://www.cisco.com/en/US/about/ciscoitwork/case_studies/security_dl3.html

FOR MORE INFORMATION

To read the entire case study or for additional Cisco IT case studies on a variety of business solutions, visit Cisco on Cisco: Inside Cisco IT www.cisco.com/go/ciscoit

NOTE

This publication describes how Cisco has benefited from the deployment of its own products. Many factors may have contributed to the results and benefits described; Cisco does not guarantee comparable results elsewhere.

CISCO PROVIDES THIS PUBLICATION AS IS WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some jurisdictions do not allow disclaimer of express or implied warranties, therefore this disclaimer may not apply to you.



Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

Europe Headquarters
Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: +31 0 800 020 0791
Fax: +31 0 20 357 1100

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

©2007 Cisco Systems, Inc. All rights reserved. CCVP, the Cisco logo, and the Cisco Square Bridge logo are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networking Academy, Network Registrar, Packet, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0705R)