



Seguridad Web Y Fuga de Datos

*Protecting Sensitive
Communications*



*Mario Velarde
Territory Manager – Mediterranean Geo*

IronPort[®] Systems, A Cisco Business Unit

IronPort is now
part of Cisco.



EI Problema....

Verizon gaffe lets customer details slip

Published: August 25, 2006, 5:11 PM PDT

The **Microsoft Excel spreadsheet** file was e-mailed on Monday and includes names, e-mail addresses, cell phone numbers and cell phone models of 5,210 **Verizon Wireless** file obtained by CNET News.com. Razr phones, according to the spr

SAIC warns of possible data breach

By Donna Borak, AP Business Writer | July 20, 2007

WASHINGTON --Pentagon contractor SAIC Inc. may have compromised personal information about more than half a million military personnel and their relatives because **it did not encrypt data transmitted online**

Aflac Reports Laptop Detailing 152,000 Clients Stolen

July 26 (Bloomberg) -- Aflac Inc., the world's largest seller of supplemental health insurance, said a laptop containing information on 152,000 customers in Japan was stolen from an employee of an insurance agency there.

The stock dropped \$2.87, or 5.1 percent, to \$53.32 in New York Stock Exchange composite trading.



La Solución?



[February 04, 2006]

FedEx tries to recall up to 8,500 faulty W-2s

(Orange County Register, The (CA) (KRT) Via Thomson Dialog NewsEdge) Feb. 4--FedEx Freight West officials were scrambling today to recall W-2s sent to as many as 8,500 employees after learning that some of the forms also included other workers' tax information. Up to 1,100 workers in the Los Angeles-Orange County area could be affected.

The company isn't sure how it happened, although they think their internal processing center, which was responsible for printing and mailing the W2s, may have misaligned the forms so that they weren't cutting off at the proper place.



“Email has become the de facto filing system for nearly all corporate information, making it even more critical to protect the outbound flow of messages.”

- Brian Burke, Security Products Research Manager, IDC

Data Loss Prevention

Multi-Faceted Problem

- **Regulatory Compliance**

 - PCI, HIPAA, GLB, SOX Regulations

 - Scan for sensitive information and block infractions

 - Secure business partner communication



- **Acceptable Use**

 - Block offensive content

 - Enforce messaging policy (attachment size, etc)

 - Add legal disclaimers to outgoing mails



- **Intellectual Property Protection**

 - Block messages containing confidential data

 - Prevent email communications with competitor



IronPort Security Appliances

Integrated Security Appliances For The Network Perimeter

- Integrated DLP Scanning and Remediation For Email
- Encryption Without any Additional Hardware Required
- Industry-leading Anti-Spam and Anti-Virus Scanning



IronPort C-Series
EMAIL SECURITY APPLIANCE

-
- Acceptable Use Policy (AUP) Management
 - Industry-leading Malware and Spyware Filtering
 - Layer 4 Traffic Monitor Inspects all Traffic



IronPort S-Series™
WEB SECURITY APPLIANCE

-
- Centralized Reporting
 - Centralized Tracking
 - Centralized Policy Management
 - Centralized Archiving

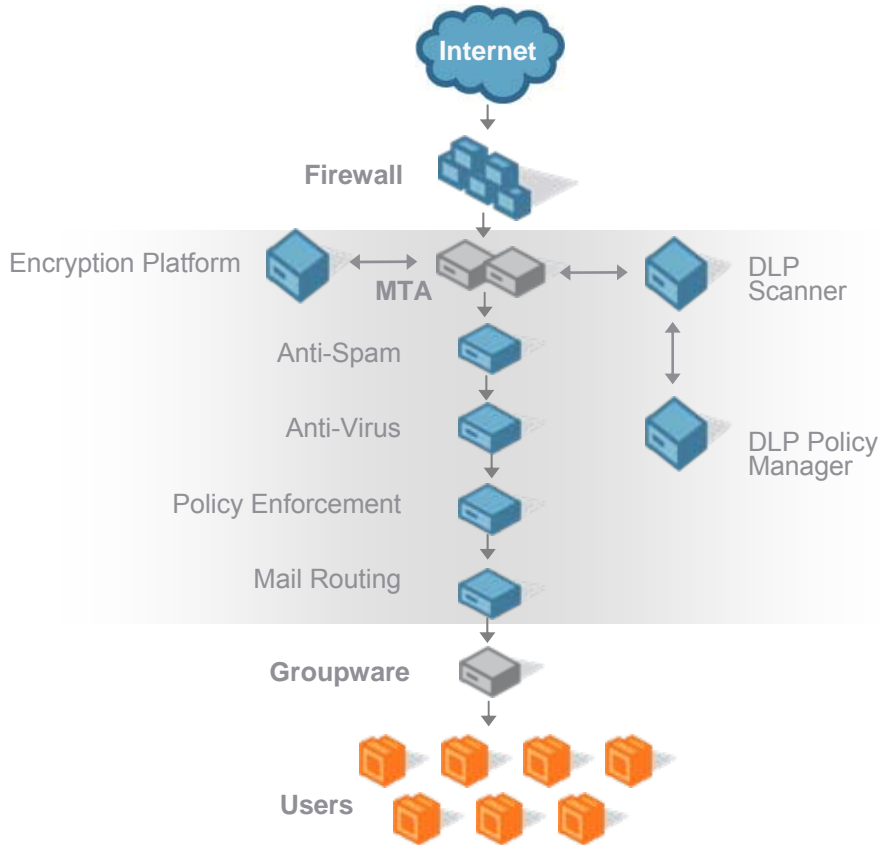


IronPort M-Series™
SECURITY MANAGEMENT APPLIANCE

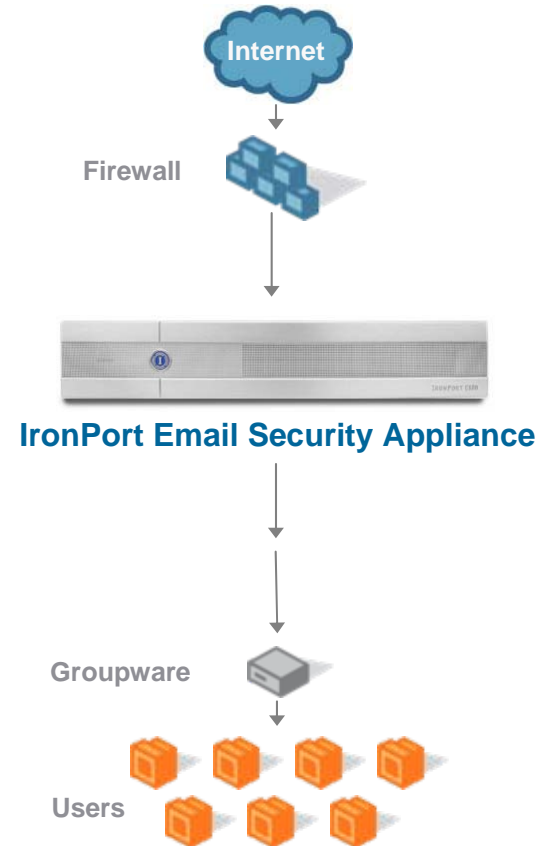
Data Loss Prevention Deployment

IronPort Reduces Complexity

Before IronPort

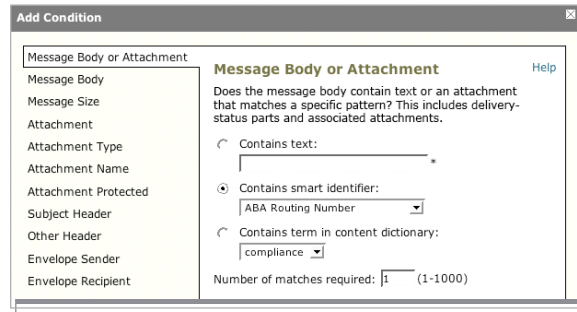


After IronPort

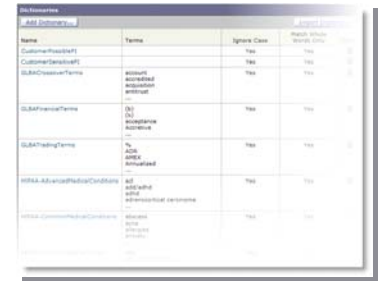


Data Loss Prevention Foundation

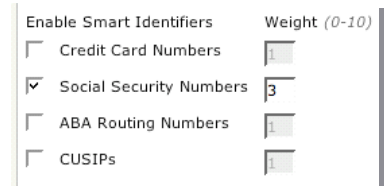
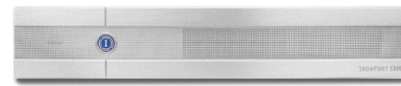
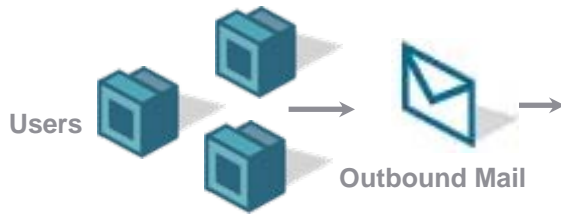
Integrated Scanning



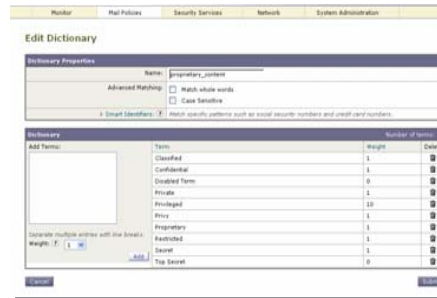
Custom Content Filters



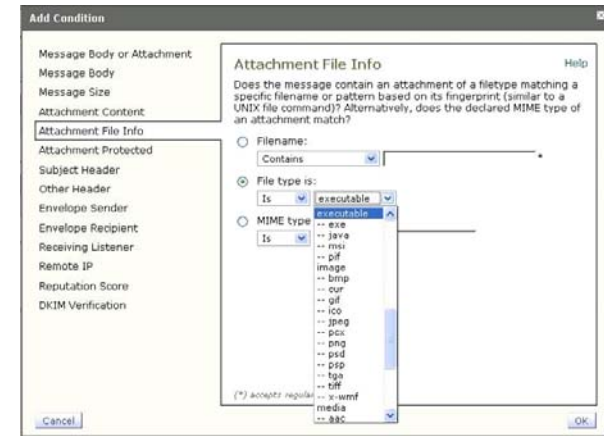
Compliance Dictionaries



Smart Identifiers



Weighted Content Dictionaries

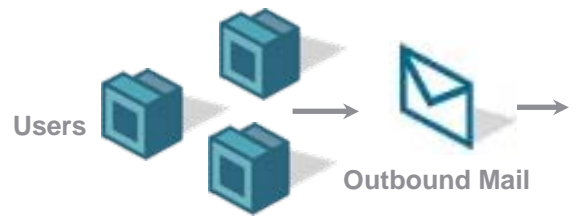
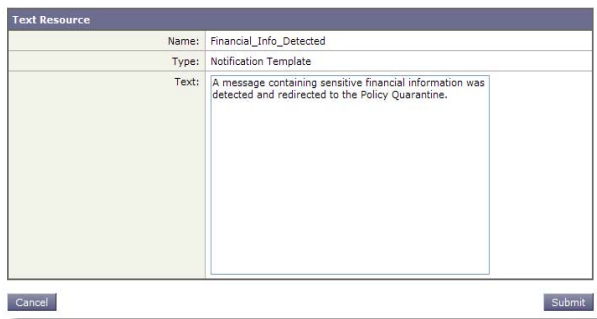
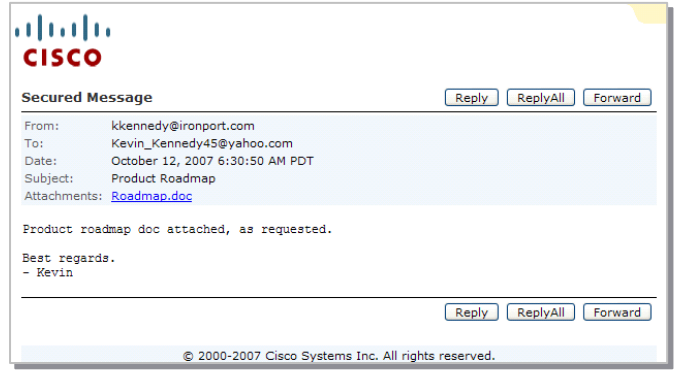


Attachment Scanning

Integrated Scanning
Makes DLP
Deployments Quick
& Easy

Data Loss Prevention Foundation

Integrated Remediation

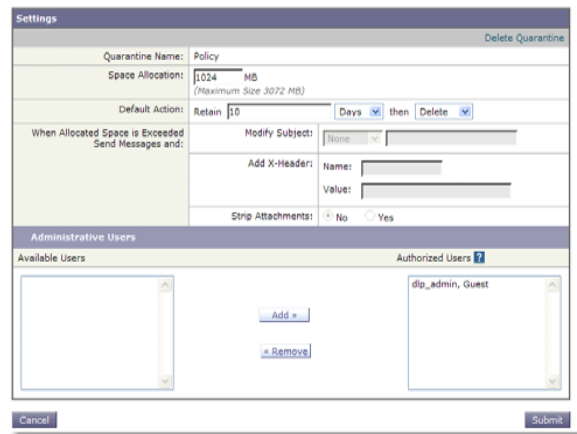


Remediation: Encryption

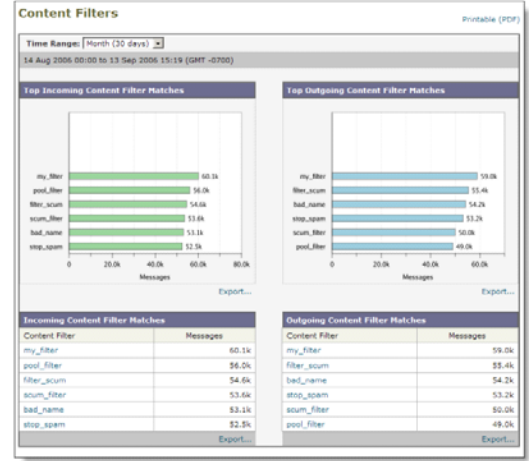


Remediation: Notification

Edit Policy Quarantine



Remediation: Quarantine



Remediation: Reporting

Integrated Remediation Eases Work Flow Burden

Data Loss Prevention: Integrated Scanning and Remediation

Scanning Work Flow

Remediation Work Flow

Filters

Add Filter...

Order	Filter Name	Description Rules Policies	Duplicate	Delete
1	PHI	HIPAA compliance filter. The severity of the infraction is denoted by the X-Iron...	[Icon]	[Icon]
2	NPI	GLBA/SOX compliance filter. The severity of the infraction is denoted by the X-I...	[Icon]	[Icon]

Pre-Defined Filters

2	NPI	GLBA/SOX compliance filter. The severity of the infraction is denoted by the X-I...
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Dictionaries

Add Dictionary... Import Dictionary...

Name	Terms	Ignore Case	Match Whole Words Only	Delete
CustomerPossiblePI		Yes	Yes	[Icon]
CustomerSensitivePI		Yes	Yes	[Icon]
GLBACrossoverTerms	account accredited acquisition arbitrator ...	Yes	Yes	[Icon]
GLBAFinancialTerms	(b) (5) acceptance Acctivate ...	Yes	Yes	[Icon]
GLBATradingTerms	% ADR AMEX Annualized ...	Yes	Yes	[Icon]
HIPAA-AdvancedMedicalConditions	ad add/adhd adhd adrenocortical carcinoma ...	Yes	Yes	[Icon]
HIPAA-CommonMedicalConditions	abcess ane allergies anxiety ...	Yes	Yes	[Icon]
HIPAA-CommonMedicalTerms	abg arterial blood gas ...	Yes	Yes	[Icon]

Compliance Dictionaries

Smart Identifiers

Enable Smart Identifiers	Weight (0-10)
<input type="checkbox"/> Credit Card Numbers	[Slider]
<input checked="" type="checkbox"/> Social Security Numbers	3
<input type="checkbox"/> ABA Routing Numbers	[Slider]
<input type="checkbox"/> CUSIPs	[Slider]

Time Range: Hour

05 Dec 2006 10:45 to 05 Dec 2006 11:48 (GMT -0800)

Matches Over Time

Export...

Time Range: Hour

05 Dec 2006 10:45 to 05 Dec 2006 11:48 (GMT -0800)

Matches by Internal User

Internal User	Messages
bvanzant@asyncofs.com	23
Zauto-build@ironport.run	20
brianz@ironport.run	12
lfreitas@ironport.run	10
prteam_emea@ironport.run	8
qa@ironport.run	2
sbops@ironport.run	2
sdong@ironport.run	2
support@ironport.run	2
toc-ops@ironport.run	2
Total Matches:	105

Items Displayed: 10

Messages

23
20
12
10
8
2
2
2
2
2
105

Export...

View HIPAA Violation Report

Encryption Market Evolution

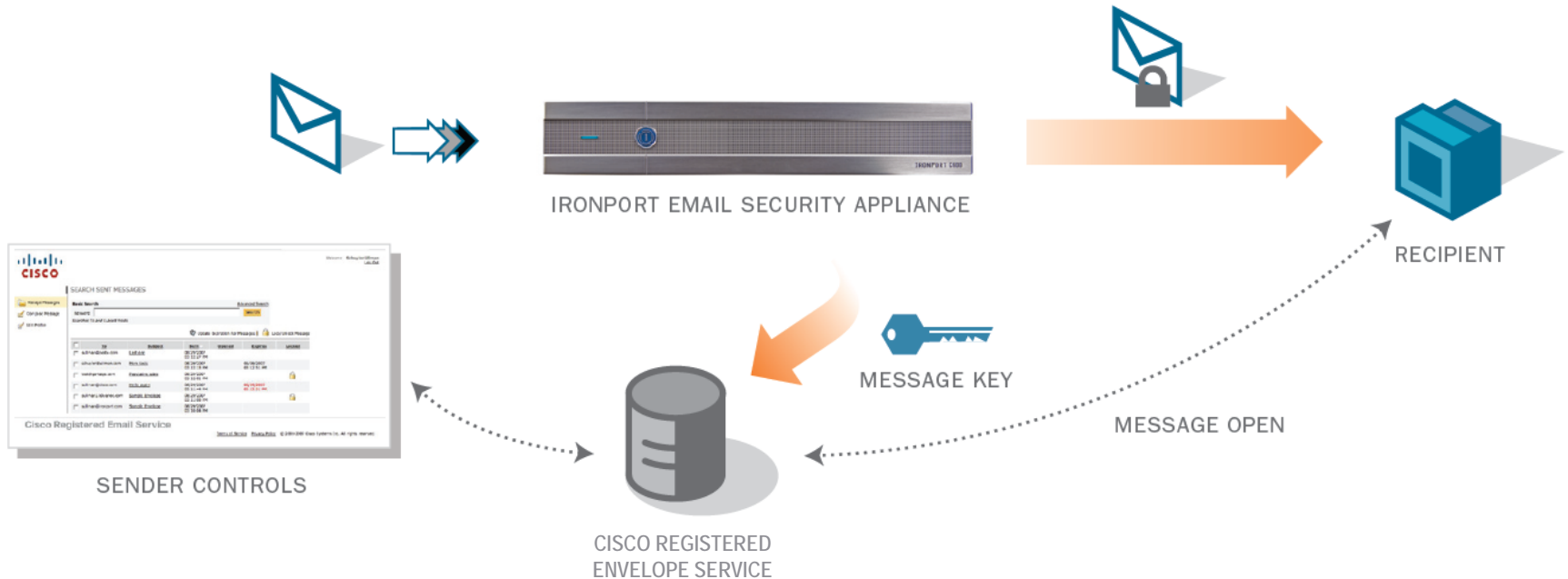
The Technical View

Legacy Encryption Solutions	IronPort PXE™
<i>S/MIME, PGP, Secure Webmail</i>	<i>Secure Envelopes</i>
<ul style="list-style-type: none">▪ Multi-Platform Deployment →▪ Certificate Requirements →▪ Sender/Receiver Plug-Ins →	<ul style="list-style-type: none">▪ Single, Integrated Platform▪ No Certificate Complexity▪ No Plug-Ins Required



IronPort PXE: Sending a Message

Instant Deployment, Zero Management Costs



- **Automated user enrollment** and account creation
- User authentication and **key delivery**
- Message Tracking
- Secure Reply
- **NEVER stores email message** → highest security

IronPort PXE: Receiving a Message

Seamless End-User Experience

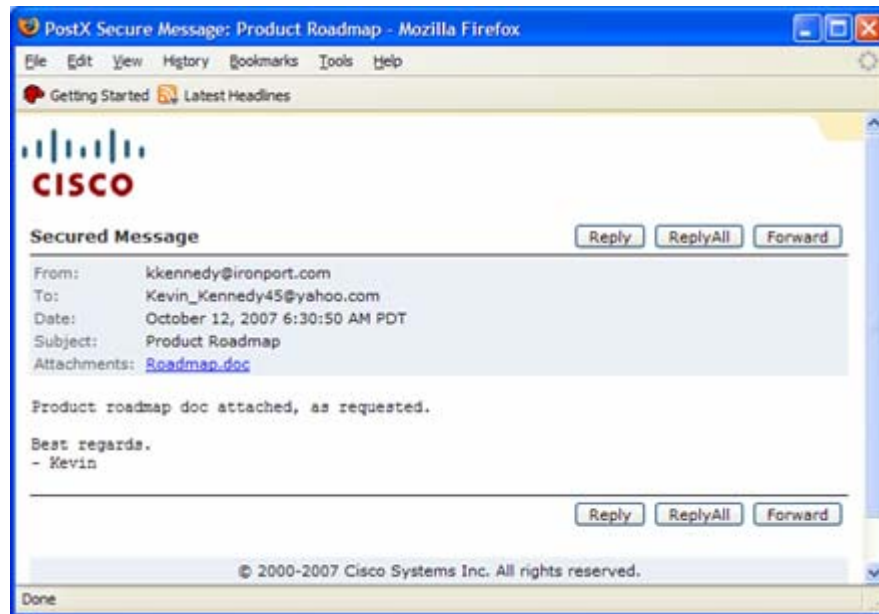
1. Open Attachment



2. Enter password



3. View message



California Department of Alcohol & Drug Programs



Data Loss Prevention with IronPort's Email Security Appliances

▪ **ADP's Challenge:**

State mandated **outbound content filtering**

Encryption to meet HIPAA and similar regulations

Prevent accidental disclosures of state data, including patient records and SSNs

Secure messaging with outside partners

Other needs: **phishing protection, easy message retention, improved system management**

▪ **The IronPort Solution:**

IronPort C-Series™ email security appliance

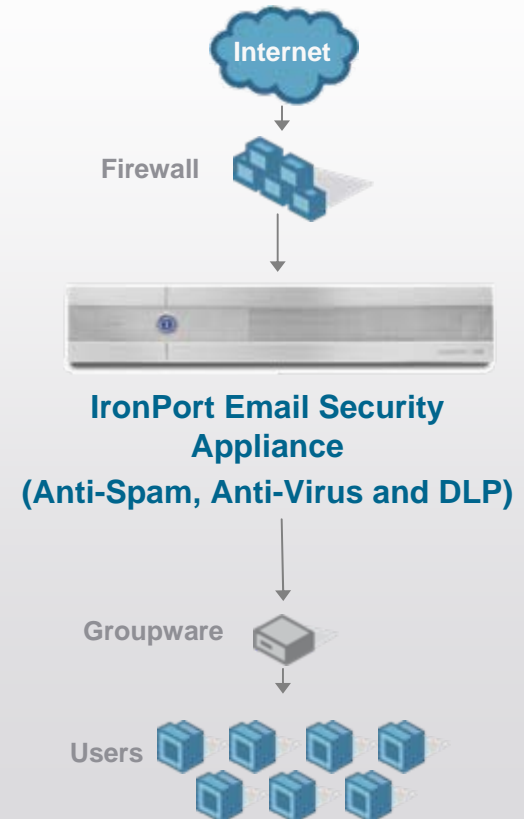
Email Encryption Envelope Server

IronPort Anti-Spam™

IronPort Virus Outbreak Filters™

Sophos Anti-Virus

The IronPort Solution



California Department of Alcohol & Drug Programs



Data Loss Prevention with IronPort's Email Security Appliances

IronPort Results:

- Rapid deployment of **Data Loss Prevention** technology
- Ensures compliance with state and federal laws
- **Set and forget management**; little to no administrative intervention
- Industry-leading **anti-spam and anti-virus protection** at the network perimeter, providing a first line of defense for Microsoft Exchange servers



“The selection of IronPort’s email and encryption system fulfilled our need for a secure electronic messaging system. The department requires a secure transmission method to meet HIPAA guidelines and other administrative requirements...”

– Gary Hummel, CISSP
Information Security Officer

CALIFORNIA DEPARTMENT OF
ALCOHOL & DRUG PROGRAMS

IronPort Customer Snapshot

Over 95% of Our Customers Use IronPort to Define Acceptable Use Policies

Regulated Industries		Retail	All-Comers
<p><u>Financial</u></p>     	<p><u>Health Care</u></p>  <p>UnitedHealthcare®</p>   	  <p>TIFFANY & CO.</p>     	<p>P I X A R</p>     <p>VERITAS</p> 



Gracias



<http://pages.ironport.com/dlp.html> ---->

http://www.ironport.com/technology/ironport_dlp_overview.html

IronPort is now
part of Cisco.

