Securing Your Web Communication

T-SECB1&2

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Prošíme, ptejte se nás

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Cisco Web Security Portfolio

Web Security Appliance (WSA)

THREAT DEFENSE
Block Malware
Prevent Data Loss

ACCEPTABLE USE ENFORCEMENT
Application Control visibility
URL Filtering

Centralized Management and Reporting

Coffee Shop  Home Office  Mobile User

AnyConnect Secure Mobility
Increasing Enterprise Web Traffic
Ubiquitous Path In and Out of Enterprise Networks

- Growing business web usage
- Growing tunneled apps usage

HTTP is the New TCP
Cisco IronPort Web Security Appliance
Adressing Business Challenges

- Secure Against Malware
- Prevent Data Breaches
- Control Web Traffic and Applications

Cisco IronPort S-Series
Next-Generation Secure Web Gateway
Consolidation Drives Operational Efficiency

Before Cisco IronPort
- Internet
- Firewall
- Web Proxy and Caching
- Anti-Spyware
- Anti-Virus
- Anti-Phishing
- URL Filtering
- Policy Management
- Users

After Cisco IronPort
- Internet
- Firewall
- Cisco IronPort WSA
- Users
Cisco IronPort Web Security Appliance
A Powerful, Secure Web Gateway Solution

- Most effective defense against web-based malware
- Visibility and control for acceptable use and data loss
- High performance to ensure best end-user experience
- Integrated solution offering optimum TCO

Management and Reporting

Acceptable Use Policy
Malware Defense
Data Security

AsyncOS for Web
Acceptable Use Enforcement
Visibility and Control for the Web and Web Applications

- Enterprise-class URL filtering
- Applications and object filtering
- Integrated identity and authentication
Cisco IronPort Web Usage Controls
Leading Efficacy, Rich Controls, Comprehensive Visibility

**Control**
- Per user, per group policies
- Multiple actions: block, warn, monitor
- Time-based policies
- Unlimited custom categories
- Custom end-user notifications

**Visibility**
- Easy to understand reports
- Extensive logging
- Comprehensive alerting

**Efficacy**
- 200+ countries
- 50+ languages
- 65 categories
- Less than 1 in 1 million false positives
Granular control over HTTP, HTTP(s), FTP applications

Dynamic signature updates maintained by Cisco SIO

Employee in Finance

Granular Control over Application Usage
Integrated Identity and Authentication
User-Specific Acceptable Use and Data Security Policies

- Authentication against LDAP servers
- Transparent, single sign-on (SSO) authentication against Active Directory
- Multi-realm sequencing
- Multi-domain authentication
- Guest policies
- Re-Auth and Failed Auth policies

Define Acceptable Use and Data Security Policies using Rich Identity Constructs
Malware Defense
Multiple layers for Malware and Spyware Protection

- Malware landscape
- Multi-layered malware defense
- Network layer phone-home prevention
- Reputation filtering and signature scanning
Multi-Layered Malware Defense
Protection Against Today’s Threats

- Detects malicious botnet traffic across all ports
- Blocks 70 percent of known and unknown malware traffic at connection time
- Blocks malware based on deep content analysis
Cisco IronPort DVS Engine
Dynamic Vectoring and Streaming

• Accelerated signature scanning
  - Parallel scans
  - Stream scanning

• Multiple integrated verdict engines
  - McAfee, Webroot and Sophos

• Automated updates

• Decrypt and scan SSL traffic
  - Selectively, based on category and reputation
AnyConnect Secure Mobility
Anytime, Anywhere Secure Access With WSA

1. Cisco AnyConnect 2.5/3.0
   - Always-on, location-aware, extremely lightweight, invisible to user
   - Supported on all major devices and OS

2. Powerful Enforcement Engines
   - High Performance
   - Application and Identity Aware
   - Hybrid Hosted Delivery

3. Policy
   - Abstracted from enforcement layer
   - Acceptable Use, Access Control, Data Security, Anti-Malware
Gartner Magic Quadrant for Secure Web Gateway, 2011

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Source: Gartner (May 2011)
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