

HP Enterprise Security

**Управление рисками и
инцидентами ИБ на предприятии**

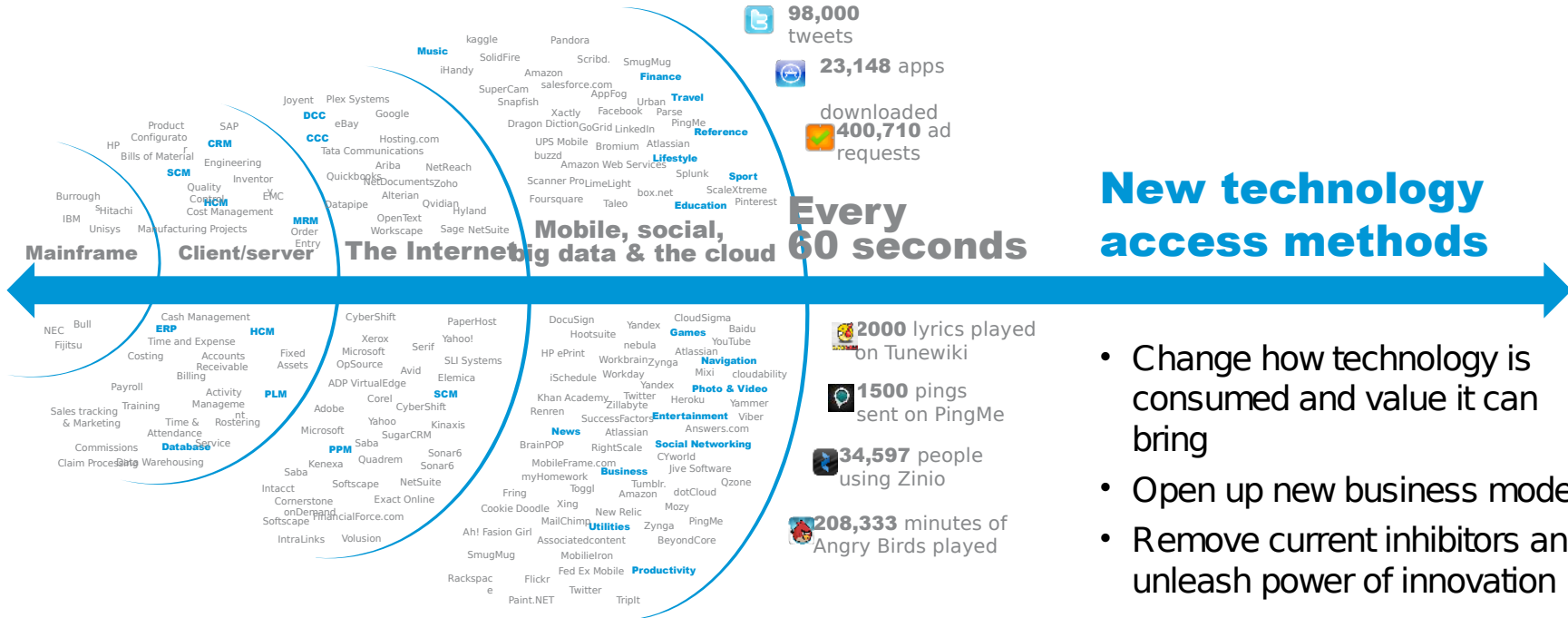
Артем Медведев

Коммерческий представитель

HP Enterprise Security Russia & CIS



Accelerating innovation and change



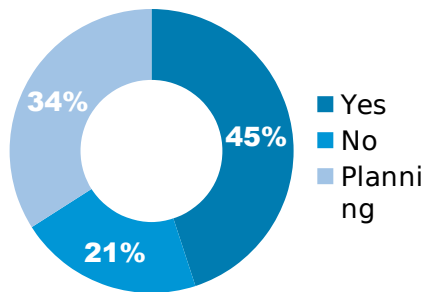
Coleman Parkes Research

Security awareness is going in the right direction

Security executives are starting to have a seat at the table

However, a majority do not have a security strategy in place

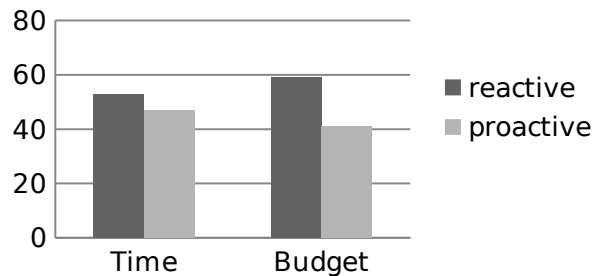
Information risk strategy



Security intelligence is on the rise

However, reactive measures still dominate resources and budget

Reactive vs proactive



Coleman Parkes Research

Innovation and technology challenges



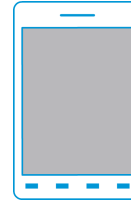
**Cloud services
can often be
secure**

But awareness of the
buyers is often lacking



**Big data is a big
opportunity**

Provided the data is
secure while in use, in
transit, at rest

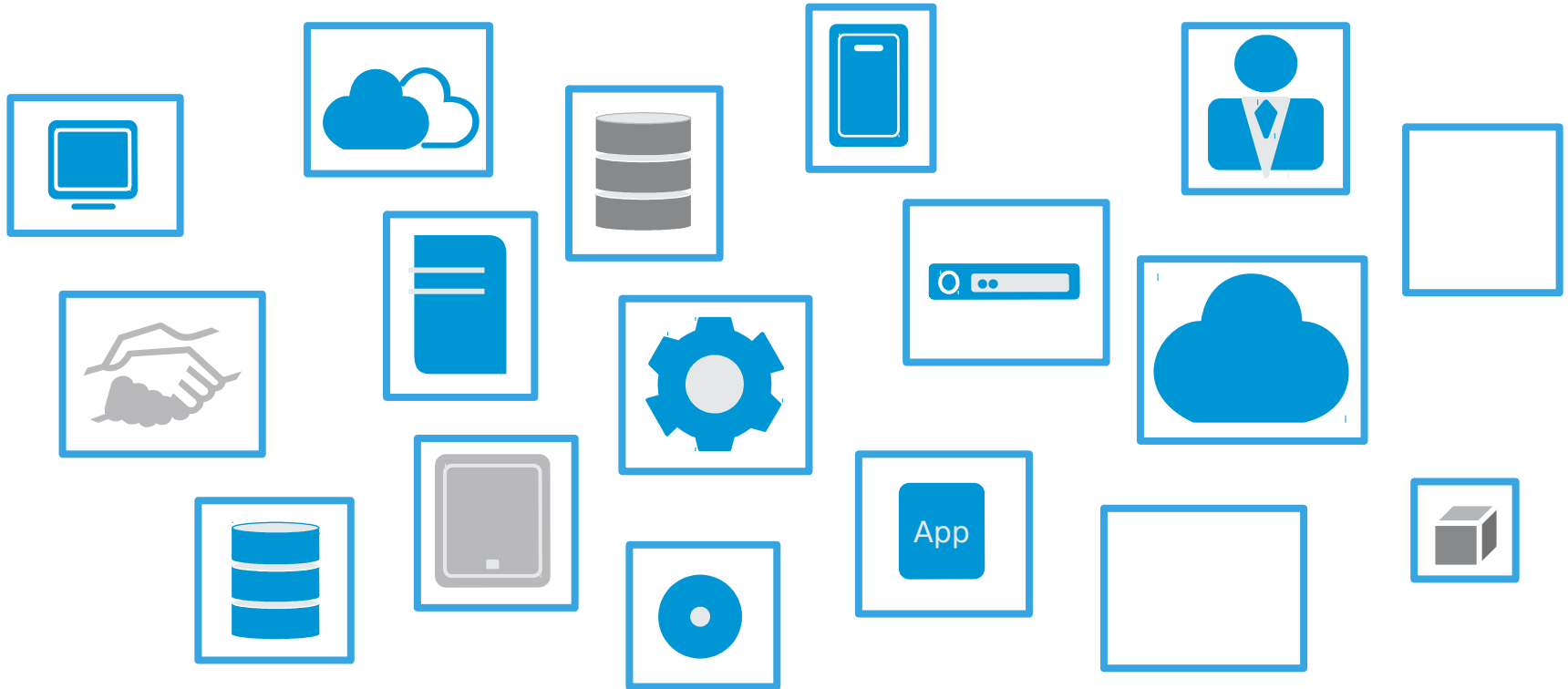


**Mobility is difficult
at many levels**

But the number of devices,
apps, locations keeps
growing

Traditional approach is obsolete

One-off, bolt-on approach leads to fragmented environment



HP presents intelligent security

Build it in. Make it intelligent. Protect what matters.

- **Market-leading technology**
- **Enterprise perspective**
- **Experienced people**

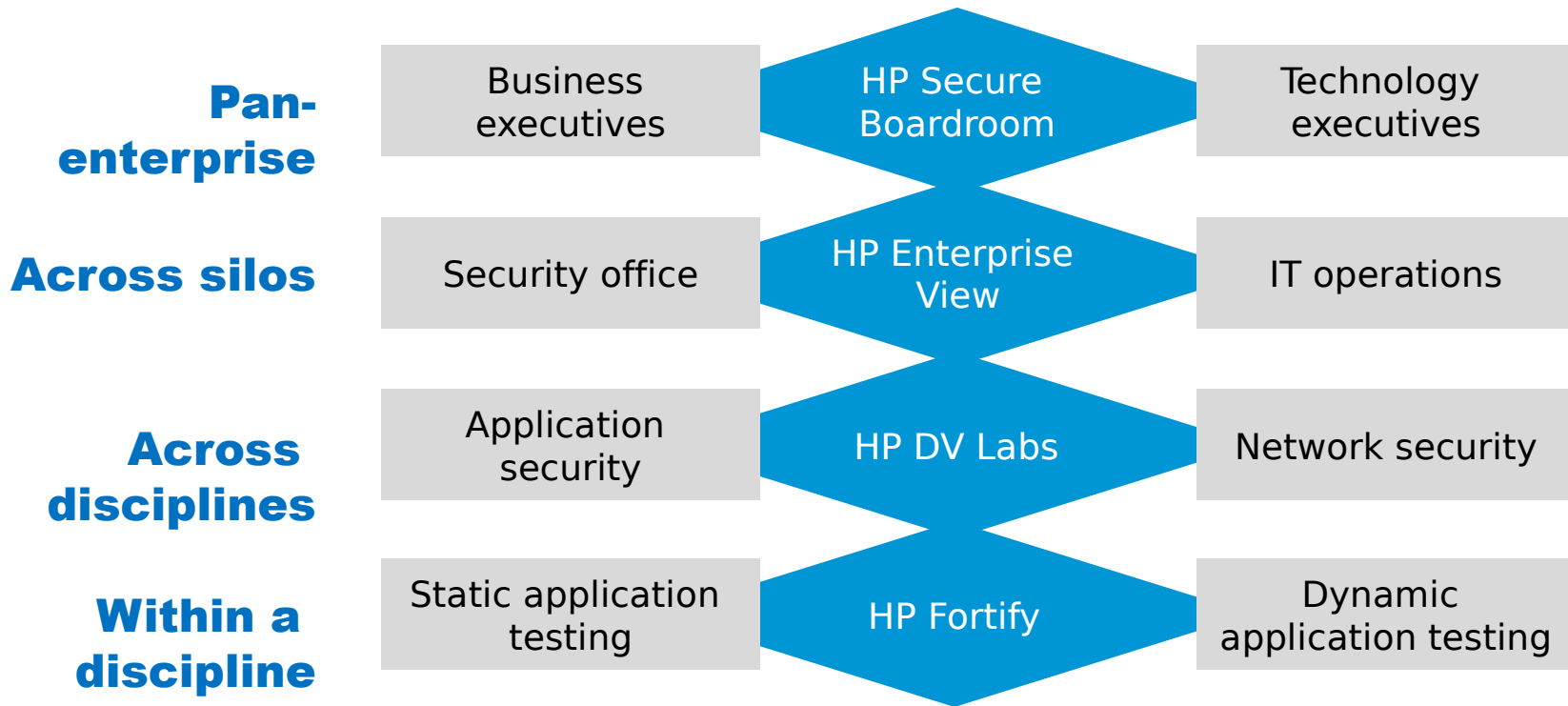
Choice of delivery models

- Products
- Services
- Hybrid



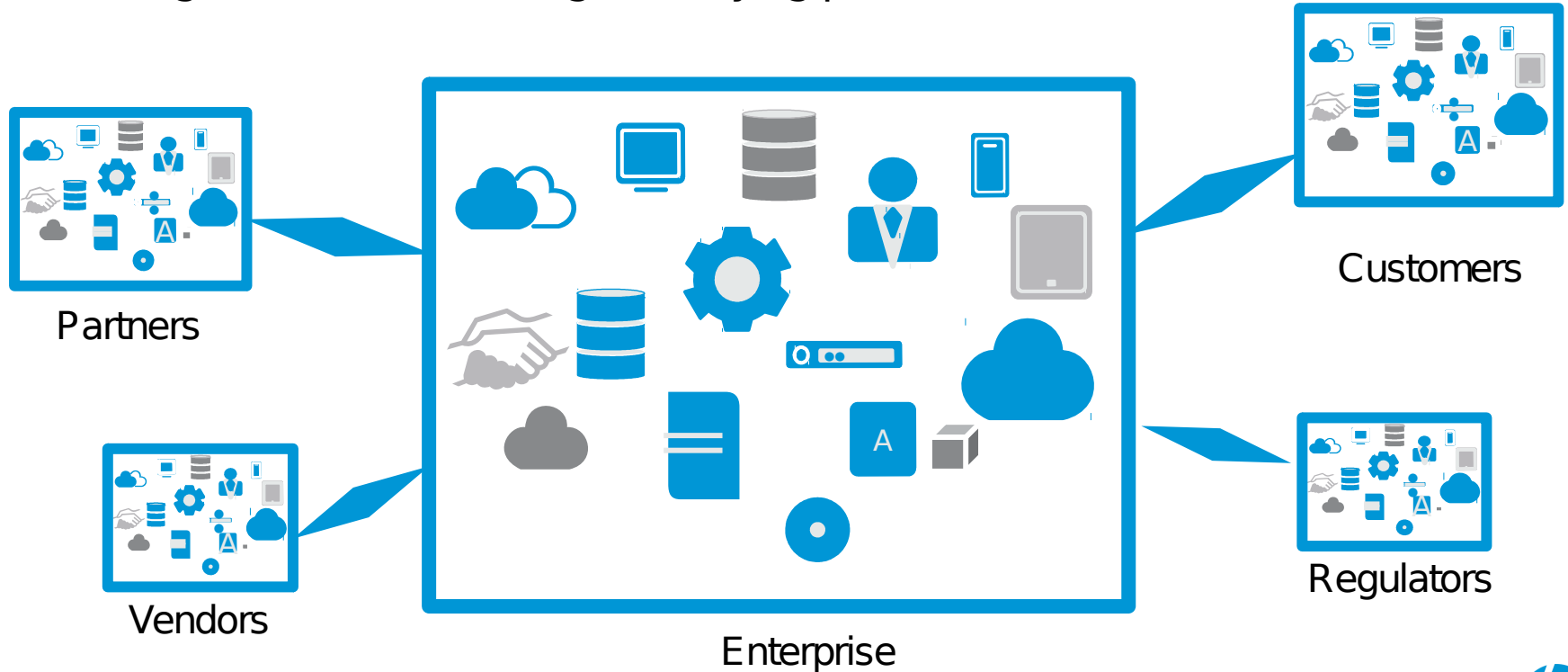
Market-leading technology

Connecting disciplines, silos, business functions



An extended enterprise perspective

Connecting the elements through a unifying platform



HP Enterprise security solutions delivered globally



**Universal
Log
Management**



**Compliance &
Risk
Management**



**Perimeter, Data
Center &
Network
Security**



**Insider
Threat
Mitigation**



**Advanced
Persistent
Threat
Remediation**



**Traditional &
Mobile
Application
Security**



**Data Privacy &
Data Loss
Prevention**



**Application &
Transaction
Monitoring**

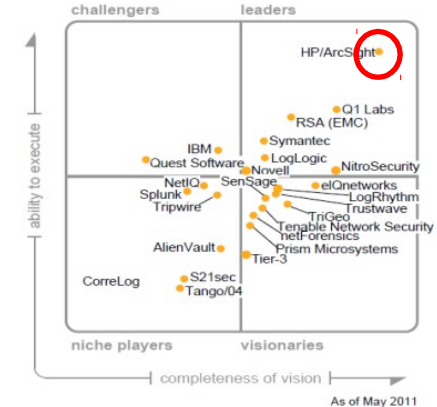
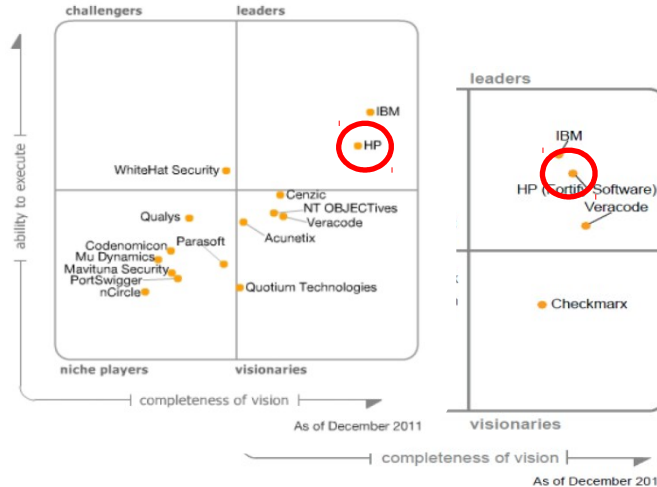
HP Enterprise Security

- 1,400 security professionals from ArcSight, Fortify and TippingPoint teams
- 1,500 security professionals in HP Enterprise Security Services
- Top five security company by market share (leader in SIEM, Log Mgt, AppSec, Network Security)

Magic Quadrant for Network Intrusion Prevention Systems
December 2010.

Magic Quadrant for Static and Dynamic Application Security Testing
2011.

Magic Quadrant for Security Information and Event Management
May 2011.



Source: Gartner (May 2011)



HP Enterprise Security

Market leading products and services

- Security Information and Event Management
- Log Management
- Application Security
- Network Security
- Data Protection
- Threat Research
- Security Services

One Team, One Vision



DV Labs

TippingPoint

ATALLA

ArcSight

VISTORM™

FORTIFY*

SPI DYNAMICS
secure. protect. inspect.

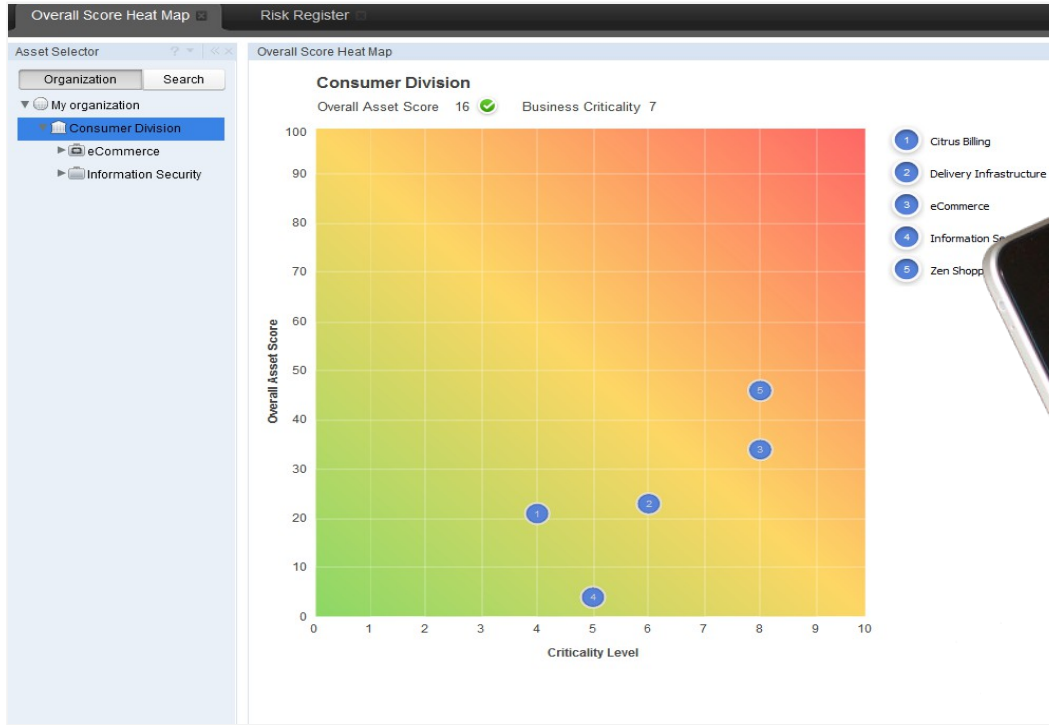




New Intelligence Products

NEW

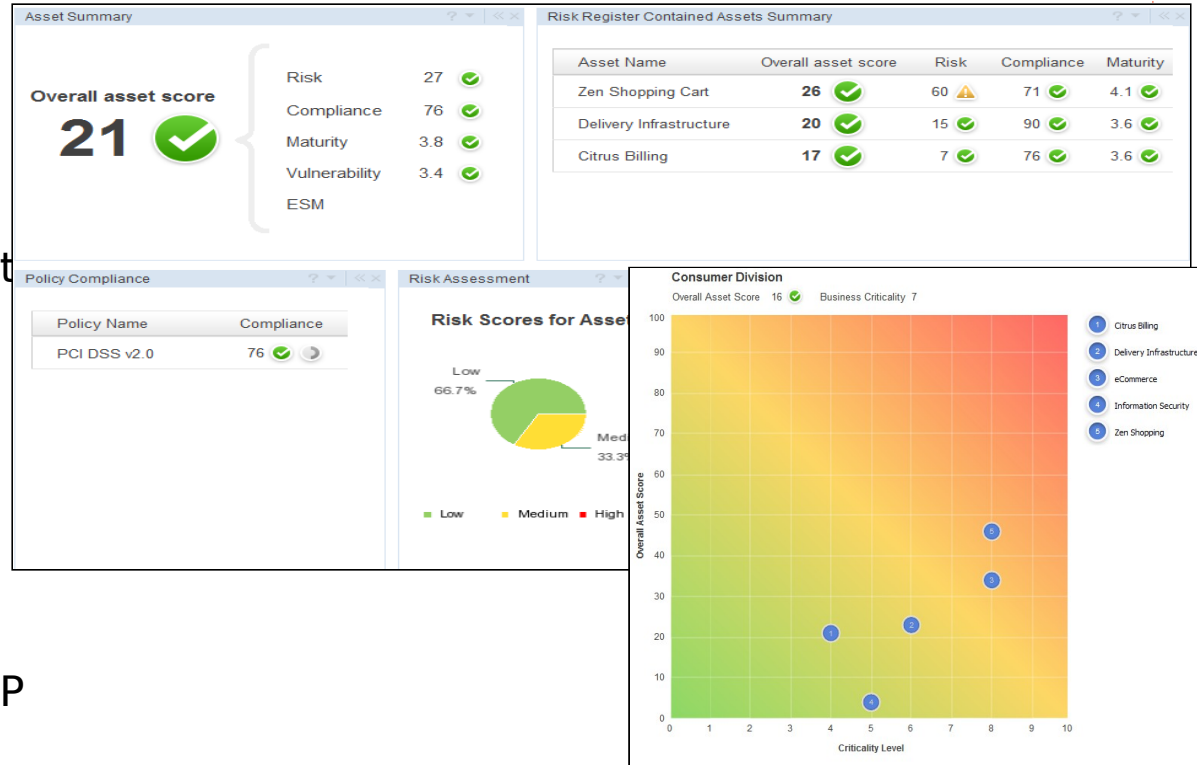
HP EnterpriseView: see everything and prioritize response



EnterpriseView



- Module-Based Platform
 - Risk
 - Assets
 - Policy
 - Vulnerability
- Actionable risk management
- Aligned with business context
- Synchronizes with uCMDB
- Real time threat data
 - ArcSight ESM
 - Scanners using ArcSight connectors
 - WebInspect
- Automated Audit
 - HP BSA
 - UCF - audit once comply many
- Robust reporting engine – SAP BO



HP TippingPoint NX Platform Next Generation IPS



Features

Based on X-Armour, HP's new break-through architecture

First in market to support 16 segments of 10GbE in a 2U form factor

A 60% performance increase from prior versions with 13Gbps inspected throughput in the 7100NX

Offers pluggable interface modules for easier customization

The four available interface modules are: 10GbE with 8 ports (4 segments), 40GbE with 2 ports, 1GbE fiber with 12 ports, 1GbE copper with 12 port

Problem it solves

Organizations are constantly under attack. Sensitive information is accessed and pulled out of an organization through network connections

Performance and configuration become bottlenecks in the enterprises' effort to detect and protect their organization

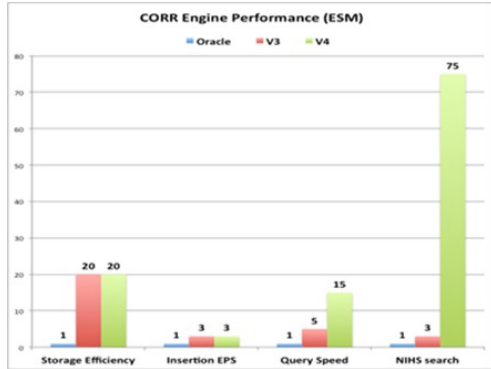
Customer Benefits

- Protect hybrid environments from a single console
- Reduces rack space requirements significantly
- Built to perform in the most demanding data centers with
- Updated with weekly intelligence from industry leading global researchers
- This configuration makes the HP NGIPS the best solution for current and next generation data centers where 10GbE networks are typically deployed



HP ArcSight ESM 6.0c with CORR Engine

NEW



Features

The first ArcSight SIEM software product to use the HP CORR (Correlation Optimized Retention and Retrieval) engine

Compared with advanced RDBMS versions, ESM 6.0c offers 300%-500% faster correlation

CORR engine provides highly efficient data storage-- up to 20 times less storage--for all SIEM use cases

HP ArcSight CORR technology can now be deployed as an appliance and as a software

Problem it solves

The large amount of security event data makes it extremely difficult to extract relevant, timely, and actionable information without the ability to quickly analyze

Detecting and preventing both internal and external information security risks without the help of advanced log analysis, correlation and reporting is ineffective

Customer Benefits

Reduces threat and risk impacting the enterprise network

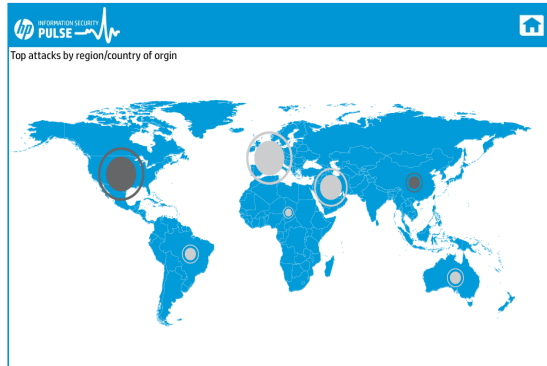
Reduced cost of security via faster collection/correlation, simplified analysis and more efficient storage

Lower cost of compliance via automated regulatory reporting and continuous controls monitoring



HP Introduces Information Security Pulse

NEW



Features

- Free access to trending threat and attack data from HP DV Labs
- Provides geographic-based situational awareness information
- Provides customizable news feed feature
- Available for iPad, iPhone, Android, WebOS and web

Problem it solves

Many enterprise organizations do not have visibility into cyber threats and attacks

Many enterprise organizations do not realize the extent to which their information may be exposed to exploits, if they are not using HP IPS solutions

Customer Benefits

Provides customers with free access to HP DV Labs proprietary cyber threat data

Helps people in security and non-security roles to see and understand the threats and attack trends that may affect their enterprise

Helps educate customers about cyber security situational awareness





HP Fortify Software Security Assurance

технологии и услуги, направленные на управление, оценку и обработку рисков при разработке ПО

С чем боремся

- ✓ **Межсайтовый скриптинг** – выявлено в приложении электронной коммерции. Уязвимость могла быть использована для кражи данных пользовательской сессии и получения доступа к учетным записям.
- ✓ **Внедрение SQL кода** – злоумышленник имел возможность кражи полного содержимого базы данных, содержащей данные клиентов и учетные записи.
- ✓ **Раскрытие конфиденциальных данных:** информация о данных кредитных карт, деталях банковских счетов попадала в журнал событий приложения.
- ✓ **Недостаточная аутентификация** во внутренних корпоративных приложениях компании. Например, приложение для генерации отчетов позволяло менять пароли пользователей без аутентификации, тем самым позволяя злоумышленнику сменить пароль любого пользователя, включая администратора.



Дешевле и эффективнее – действовать проактивно



Source: NIST

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HP Fortify - решение в любых ситуациях

Планирование

Разработка

Эксплуатация

Разработчик

HP Fortify SCA

QA тестер

HP Fortify PTA

HP QAInspect

ИБ

HP Fortify on Demand

HP WebInspect/ AMP

Эксплуатация

HP Fortify RTA

All Users

HP Fortify 360 Server

HP Fortify Collaboration

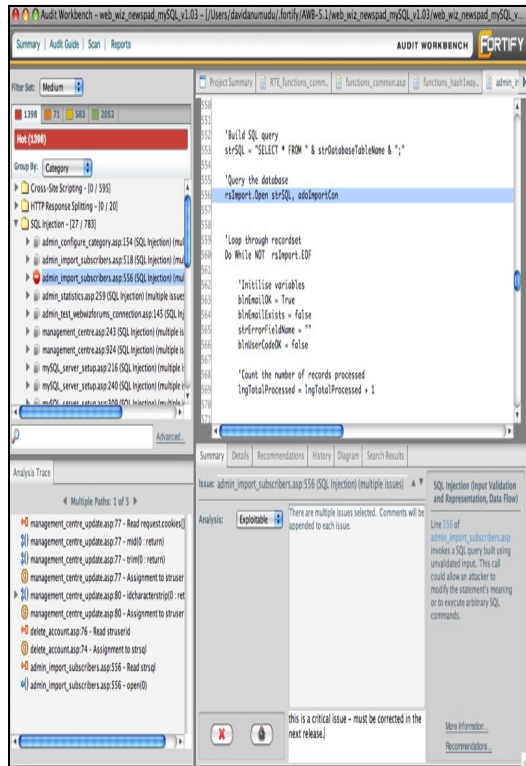
HP Fortify SSA Governance

HP Fortify Secure Coding RulePacks/ SecureBase



HP Fortify Static Code Analyzer

Выявление уязвимостей в исходном коде



HP Fortify SCA позволяет обнаружить источник уязвимостей с помощью комплексного набора правил, поддерживающего множество языков, платформ и средств разработки.

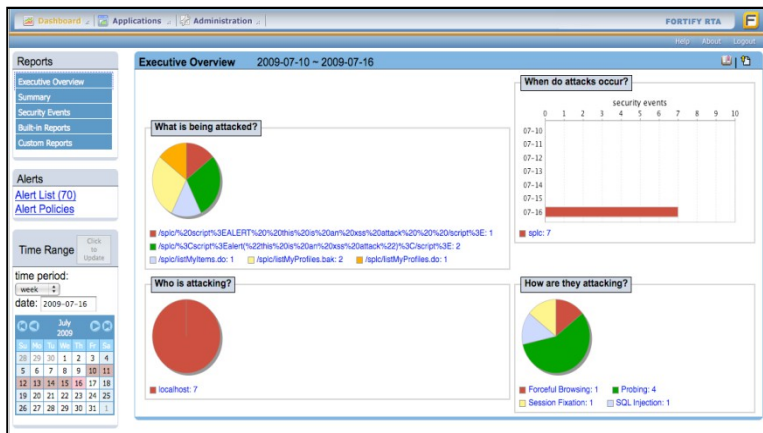
Основные возможности:

- проведение статического анализа для выявления уязвимостей в исходном коде;
- обнаружение уязвимостей в коде на 20 языках программирования
- результаты сортируются по степени риска и рекомендациям по устранению уязвимостей.



HP Fortify Real-Time Analyzer

Защита развернутых приложений в режиме реального времени



- ✓ Блокирование атак в развернутых приложениях для минимизации рисков ИБ
- ✓ Немедленное решение для обеспечения соответствия требованиям стандартов и регуляторов
- ✓ Обеспечение защиты до устранения уязвимостей в приложениях.

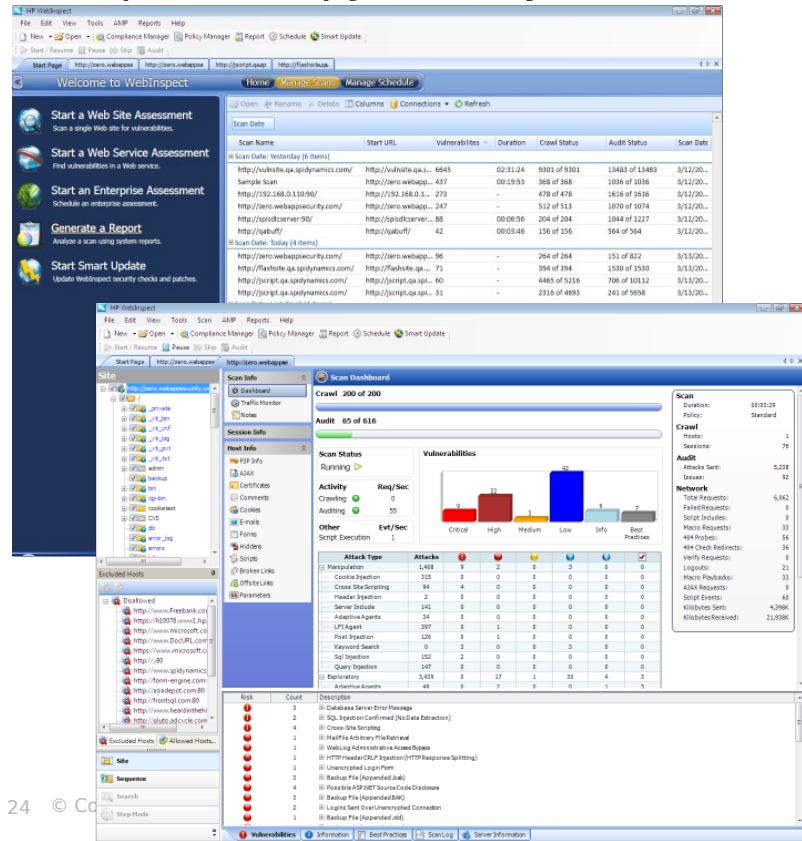
HP Fortify RTA работает внутри развернутых Java и .NET приложений для мониторинга и защиты их от атак. Он автоматически определяет каждое критическое API внутри приложения и мониторит его. Это позволяет понять существующие уязвимости и отвечать на атаки разными способами: блокированием пользователя, уведомление администратора, задержка пользовательского запроса на коммутирующем оборудовании и пр.

Дополнительно, HP Fortify RTA позволяет быстро установить определенные правила в любые приложения для противодействия обману и прочим угрозам.



HP WebInspect

Быстрое обнаружение уязвимостей



в web-приложениях и сервисах

Быстрое обнаружение уязвимостей

- проверка большего количества приложений за меньшее время

Предоставление нужной информации

- фокус на важных аспектах

Расширение используемых технологий

- тестирование новых технологий на новые уязвимости

- JavaScript, Ajax, Flash, Oracle ADF

- поддержка HP Web Security Research Group

Эффективное устранение уязвимостей

- расширенное описание, примеры кода и контента



HP Fortify Governance

Эффективное управление программой безопасности ПО

Summary

The following is a summary of the application security portions of PCI DSS v1.2. Fortify 360 tests for 10 application security specific requirements across sections 3,4,6,8 and 10, and reports whether each requirement is "In Place" or "Not In Place". Fortify assigns a "Fail" rating for the application if one or more requirements are "Not In Place".

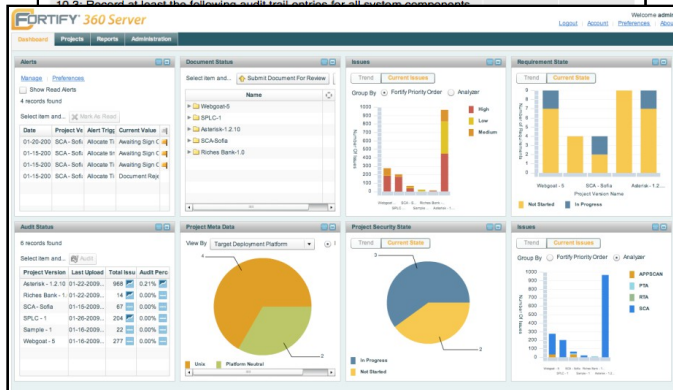
Project Version: 1.0
Last Analysis Date: Mar 6, 2009 11:24 AM
Methodology: SCA
Lines of Code: 4,524
Number of Files: 98

PCI Compliance: Application Security Requirements

Fail

PCI Requirement	Findings	Status
3.2: Do not store sensitive authentication data after authorization.	1	Not In Place
3.4: Render PAN, at minimum, unreadable anywhere it is stored.	2	Not In Place
3.6: Fully document and implement all key-management processes and procedures for cryptographic keys used for encryption of cardholder data.	0	In Place
4.2: Never send unencrypted PANs by end-user messaging technologies.	1	Not In Place
*6.5: Develop all web applications based on secure coding guidelines such as the Open Web Application Security Project Guide.	39	Not In Place
8.4: Render all passwords unreadable during transmission and storage on all system components using strong cryptography.	2	Not In Place
8.5: Ensure proper user authentication and password management for non-consumer users and administrators on all system components.	1	Not In Place
10.2: Implement automated audit trails for all system components.	0	In Place

10.2: Record at least the following audit trail entries for all system components:



HP Fortify Governance – средство управления активами, деятельностью и результатами в проектах по обеспечению безопасности ПО.

Возможности:

- оптимизация инвестиций в программу управления безопасностью;
- фокусировка команды на инновациях и сдаче проекта в срок вместо «управления» безопасностью;
- поддержка инвентаризации приложений посредством централизованного менеджера рисков;
- автоматизация деятельности по снижению рисков, основанная на профиле риска.

The information contained herein is subject to change without notice.





HP Information Security Pulse

Mobile Security App

HP Introduces Information Security PULSE



The new HP mobile app designed to bring visibility and awareness to cyber threats and attacks worldwide.

Built with HP Proprietary data from HP's DV Labs (through Tipping Point), this app can help enterprises realize the extent to which their information may be exposed to exploits, if they are not using HP IPS solutions



Customer Benefits

Provides customers with free access to HP Dvlab's proprietary cyber threat data

Helps people in security and non-security roles to see and understand the threats and attack trends that may affect their enterprise

Helps educate customers about cyber security situational awareness



App Development

Content

- Data retrieved on a daily basis from HP DV Labs ThreatLinq
- Newsfeeds aggregated daily, ability to add personal news feeds

App interface

- Developed and managed by NextView (HP approved vendor)
- Support request emails go to NextView for app issues

Availability

- iPad – now in iTunes store
- iPhone – in production – target August 31
- webOS device (HP Touchpad) – now in webOS App store
- Android device - in production – target August 31
- Web browser – now at www.hpinfosecpulse.com



HP Information Security Pulse

Home page

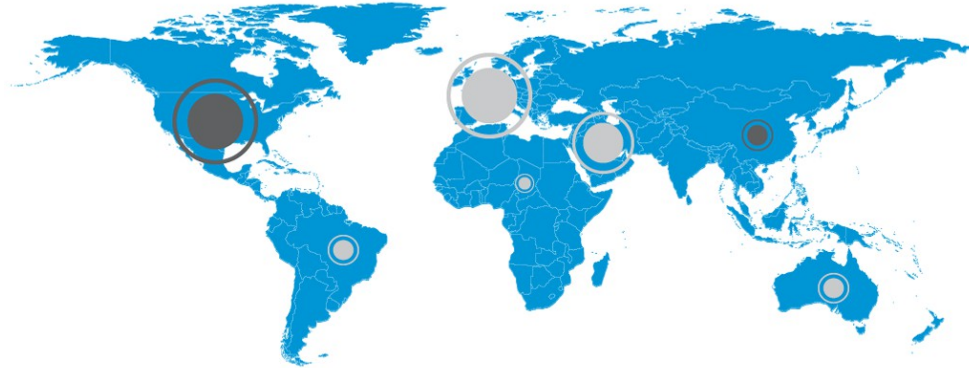


HP Information Security Pulse

Worldwide Top Attacks

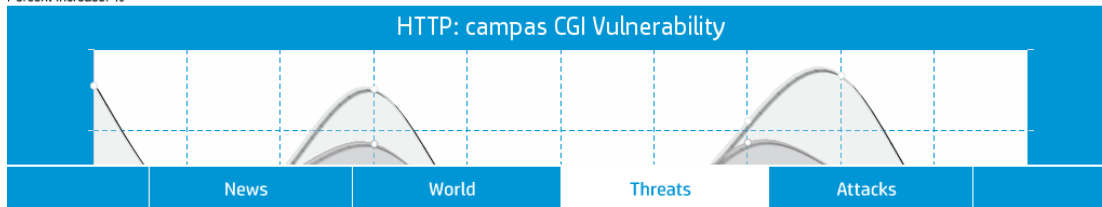
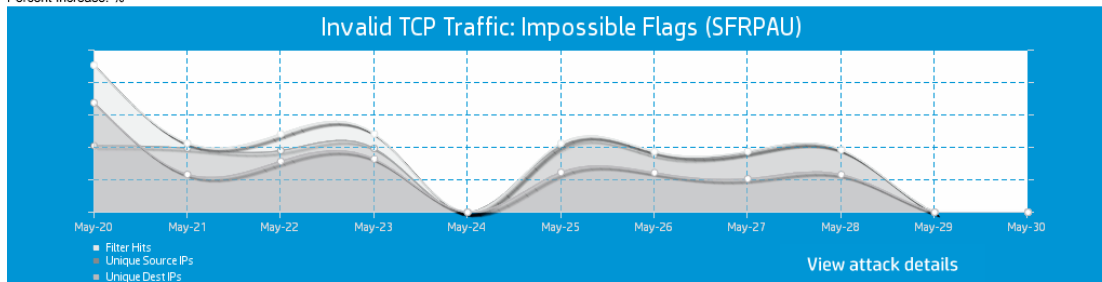
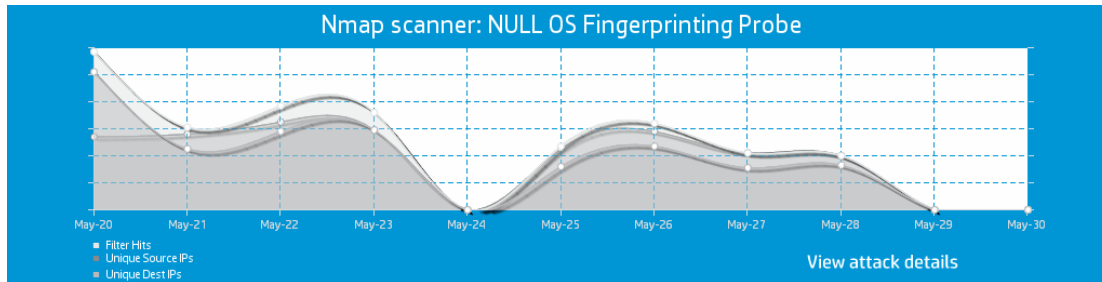


Top attacks by region/country of origin



HP Information Security Pulse

Top trending threats



Sample screenshot showing
May 20-30, 2012



Спасибо.

