Agenda

Zeit	Thema	Inhalt	Sprecher
10:00 - 10:15	**Eintreffen / Kaffee**		
10:15 - 10:25	**Begrüssung**	• IBM Kurzübersicht • Zusammenarbeit Swisscom und IBM SWG	Andreas Herger, Leiter Grosskundengeschäft SWG Michael Rieder, Software Account Manager
10:25 - 11:15	**IBM Software Portfolio**	Übersicht der fünf Software-Brands: • Software & System Development • Integration & Application Infrastructure • Data & Content • IT Service Management • Collaboration & Access	Daniel Ehrle, Software IT Architect
11:15 - 12:00	**Neue Technologien**	Neue Technologien und Trends in der Telekommunikation: • Web 2.0 Technologie • Mash-Up's	Daniel Ehrle, Software IT Architect Benjamin Schlup, Business Solution Consultant
12:00 - 12:30	**Mittagessen**	Gemeinsamer Stehlunch im Eventbereich	
12:30 - 12:55	**InfoSphere**	Nutzung vorhandener Kundeninformationen zur Generierung von Neugeschäft: • IBM Information Server • Cognos, die jüngste IBM SW Akquisition im Bereich Business Intelligence	Reto Cavegn, Technical IT Specialist
12:55 - 13:20	**Security**	End-to-End Security Lösungen von IBM: • Governance and Compliancy • Identity Management • Intrusion Detection and Prevention • Application Security	**Dieter Bartl, Software Sales Specialist** **dieter.bartl@ch.ibm.com / 079 468 02 90**
13:20 - 13:45	**Business Integration & Process Management**	Middleware Technologien: • Process Management und ESB Lösungen • IBM ESB und Security Solution “in a Box”	Bernd Geiger, Senior Software Sales Specialist
13:45 - 14:00	**Closing**	• Fragerunde	Michael Rieder, Software Account Manager

Software and System Development

Rational software

Architecture Management
- **Rational Software Architect**
- Rational Application Developer
- Rational Business Developer Extension
- Rational Systems Developer
- Rational Data Architect
- **Rational Rose Family**
- Rational Software Modeler
- Rational Asset Manager
- Telelogic System Architect
- Telelogic Rhapsody

Quality Management
- **Rational ClearQuest**
- Rational Tester for SOA Quality
- Rational Functional Tester
- Rational Performance Tester
- Rational Manual Tester
- Rational PurifyPlus
- Rational Test RealTime
- Rational AppScan Family
- Rational Policy Tester Family
- Telelogic Logiscope
- Telelogic Tester

Process and Portfolio Mgmt.
- Rational Portfolio Manager
- Rational Method Composer (includes Rational Unified Process)
- **Rational Team Unifying Platform**
- Telelogic Focal Point
- Telelogic Harmony

Change and Release Mgmt.
- Rational RequisitePro
- **Rational ClearCase**
- Rational ClearCase Multisite
- Rational ClearCase Change Mgmt Solution Enterprise Edition
- **Rational ClearQuest**
- Rational ClearQuest Multisite
- Rational Build Forge
- IBM SCLM Advanced Editor for z/OS

Host Tools/Integration, Languages and Compilers
- **WebSphere Host Integration Solution Family**
- **WebSphere Host Access Transformation Services**
- WebSphere Host On Demand
- IBM Host Access Client Package

Integration and Application Infrastructure

WebSphere software

Application and Transaction Infrastructure
- **WebSphere Application Server (WAS) Family** including WAS Community Edition
- WebSphere Extended Deployment
- **WebSphere Process Server**
- CICS Transaction Server

Application Intregration
- **WebSphere Services Registry & Repository**
- WebSphere Transformation Extender
- **WebSphere MQ Family**
- **WebSphere DataPower Appliances**
- **WebSphere Adapters**

Business Process Management
- WebSphere Business Services Fabric
- **WebSphere Process Server**
- **WebSphere Business Modeler**
- WebSphere Business Monitor
- **WebSphere Integration Developer**
- **WebSphere Enterprise Service Bus**
- WebSphere Partner Gateway
- **WebSphere Message Broker**
- **WebSphere TelcoWebServicesServer**

Commerce
- WebSphere Commerce Family

Mobile and Speech
- WebSphere Everyplace Family
- WebSphere Voice Response
- WebSphere Voice Server Family
- WebSphere Translation Server for Multiplatforms
- IBM embedded Via Voice
- Unified Messaging for WebSphere Voice Response

Portals
- WebSphere Portal Server
- WebSphere Portal Enable
- WebSphere Portal Enable for z/OS
- WebSphere Portal Extend
- WebSphere Portal Express
- WebSphere Portlet Factory
- Accelerators for WebSphere Portal
- WebSphere Dashboard Framework
- WebSphere Everyplace Mobile Portal Enable

Integrating Data and Content

Information Management software

Database Servers
- **DB2 Family**
- **IMS**
- **Informix Family**
- U2 Family

Data Management Tools
- DB2 Tools for Multiple Platforms
- **DB2 Tools Family for System z**
- **DB2 Extenders Family**
- **DB2 Connect Family**
- **IMS Tools Family**
- WebSphere Replication Server
- WebSphere DataStage
- **WebSphere QualityStage**
- WebSphere ProfileStage
- WebSphere Federation Server
- **WebSphere Information Analyzer**

Enterprise Content Management
- IBM FileNet Content Manager Family
- IBM FileNet Image Family
- IBM FileNet Capture Family
- IBM FileNet Content Federation Services
- IBM FileNet Connectors for SharePoint
- IBM FileNet Business Process Manager Family
- IBM FileNet Records Manager
- IBM FileNet Records Crawler
- IBM FileNet Email Manager
- IBM Content Manager Family
- **IBM Content Manager OnDemand Family**
- WebSphere Information Integrator Content Edition
- IBM Document Manager
- IBM Records Manager
- **IBM CommonStore Family** and eMail Search
- OmniFind Family
- IBM Classification Module

Enterprise Data Management
- **IBM Optim Solutions**
- IBM Data Studio

Dynamic Data Warehousing and Business Intelligence
- Cognos
- IBM Data Warehouse Editions (DWE)
- Business Intelligence on Systems z
- OmniFind Analytics Edition
- OmniFind Discovery for Business Intelligence

Information Platform and Solutions
- **IBM Information Server**
- IBM InfoSphere
- WebSphere Product Center
- WebSphere Customer Center
- WebSphere RFID Information Center
- IBM Industry Models
- IBM Global Name Recognition Products
- IBM Identity Resolution
- IBM Relationship Resolution
- IBM Anonymous Resolution

Collaboration and Access

Lotus. software

Appl. Design and Development
- IBM Lotus Domino Designer
- IBM Lotus Enterprise Integrator for Domino
- IBM Lotus Connector for SAP solutions
- IBM Lotus Workflow
- IBM Lotus Expeditor

Dashboard and Business Solutions
- IBM Lotus ActiveInsight
- IBM Workplace for Business Controls and Reporting
- IBM Workplace for SAP Software
- IBM Lotus Workforce Management
- IBM Workplace Solutions

E-mail, Calendaring and Collaborative Applications
- **IBM Lotus Domino**
- IBM Lotus Notes and Domino Express
- **IBM Lotus Notes**
- IBM Lotus Domino Web Access

Instant Messaging, Web Conferencing
- IBM Lotus Sametime Standard
- IBM Lotus Sametime Entry
- IBM Lotus Sametime Unyte

Social Software
- IBM Lotus Connections

Team Collaboration, Content Mgmt and e-forms
- IBM Lotus Quickr
- IBM Workplace Web Content Management
- IBM Lotus Forms
- IBM Lotus Forms Express
- IBM Lotus Domino Document Manager
- IBM Lotus Quickr Content Integration

Mobile and Wireless
- IBM Lotus Expeditor
- IBM Lotus Mobile Connect
- IBM Lotus Domino Unified Communications

IT Service Management

Tivoli software

Security Management
- IBM Tivoli Identity Manager
- IBM Tivoli Federated Identity Manager
- IBM Tivoli Access Manager Family
- IBM Tivoli Security Compliance Manager
- IBM Tivoli Directory Integrator
- IBM Tivoli Directory Server
- IBM Tivoli Security Operations Manager
- IBM Tivoli zSecure Suite

IT Operations
- **Tivoli Monitoring Family**
- Tivoli OMEGAMON XE Family
- **Tivoli Netcool OMNIbus**
- Tivoli Network Manager Family
- Tivoli Provisioning Manager Family
- Tivoli Intelligent Orchestrator
- **Tivoli Workload Scheduler Family**
- Tivoli Netcool Family
- Tivoli System Automation Family
- Tivoli Composite Application Manager Family
- Tivoli Business Service Manager
- Tivoli Service Level Advisor
- Tivoli License Manager Family
- Tivoli Financial Manager Family
- Tivoli Change/Configuration Mgmt Database
- Tivoli Unified Process Composer
- Tivoli Application Dependency Discovery Mgr
- Tivoli Process Manager family
- **Tivoli Impact**

Service Provider Solutions
- Tivoli Netcool Service Quality Manager
- **Tivoli Netcool Performance Manager for Wireless**
- **Tivoli Netcool Performance Manager**
- **Tivoli Netcool OMNIbus**
- Tivoli Network Manager
- **Tivoli Impact**

Storage Operations
- Tivoli Continuous Data Protection for Files
- **Tivoli Storage Manager Family**
- TotalStorage Family
- TotalStorage SAN Family

Enterprise Operations
- Maximo Asset Management Family
- Tivoli License Manager Family
- Tivoli Usage and Compliance Manager
- Tivoli Asset Manager for IT

Windows Linux AIX Solaris HP-UX OS/400 OS/390 z/OS

Agenda

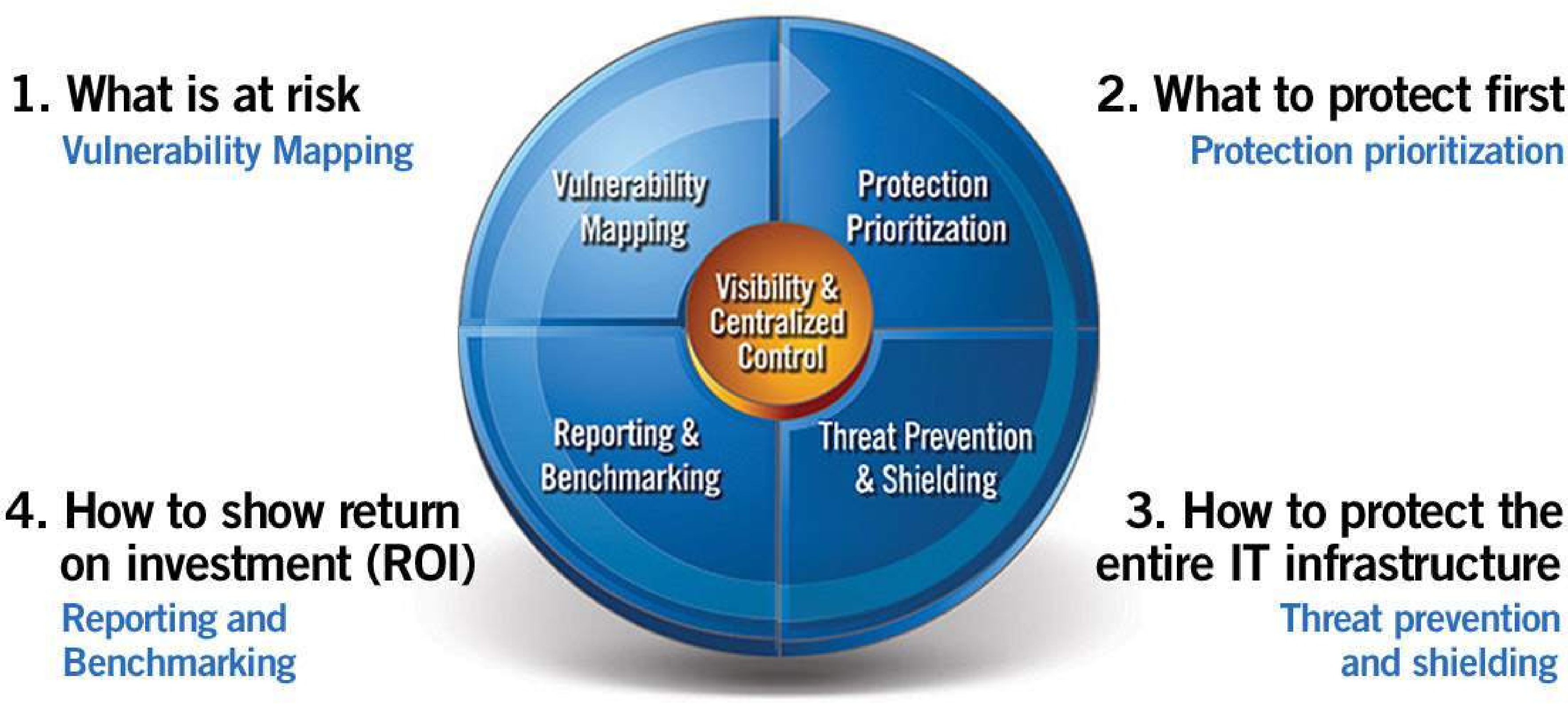
1. **Internet Security**
2. **Application Security**
3. **Simplify, Help Secure & Accelerate SOA**
4. **Security Management**

STOP Internet threats before impact with preemptive security

IBM Internet Security Systems

Proventia ESP - It’s a process!

The Proventia® Enterprise Security Platform enables a four-step process to continuously understand:



1. What is at risk
   Vulnerability Mapping

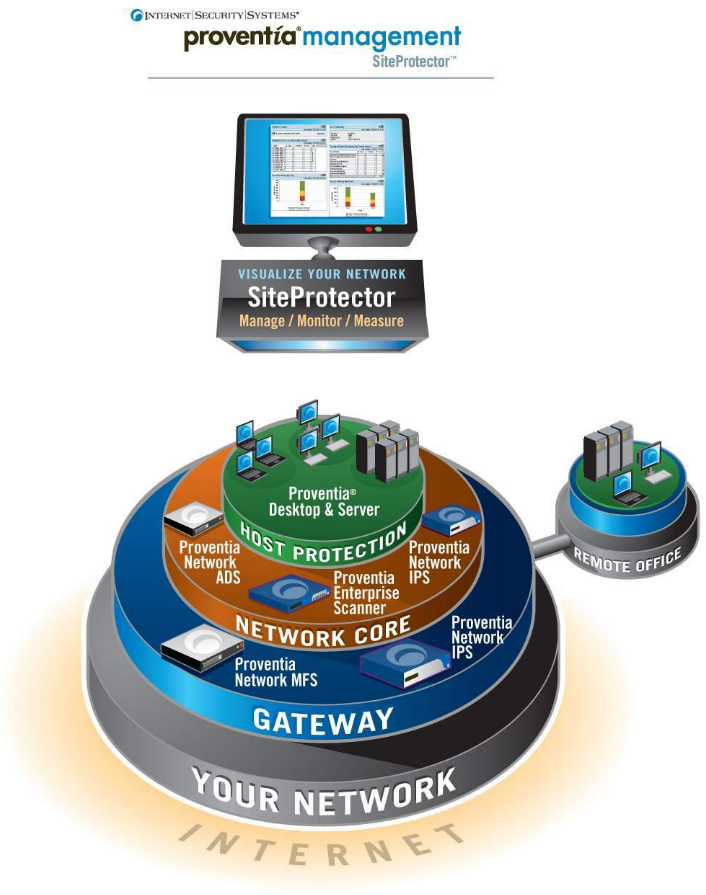
2. What to protect first
   Protection prioritization

3. How to protect the entire IT infrastructure
   Threat prevention and shielding

4. How to show return on investment (ROI)
   Reporting and Benchmarking

Vulnerability Mapping
Protection Prioritization
Visibility & Centralized Control
Reporting & Benchmarking
Threat Prevention & Shielding

ISS Solution Overview



Proventia Management SiteProtector

Provides security **management and intelligence**, command and control functionality and compliance reporting.

Proventia Intrusion Prevention

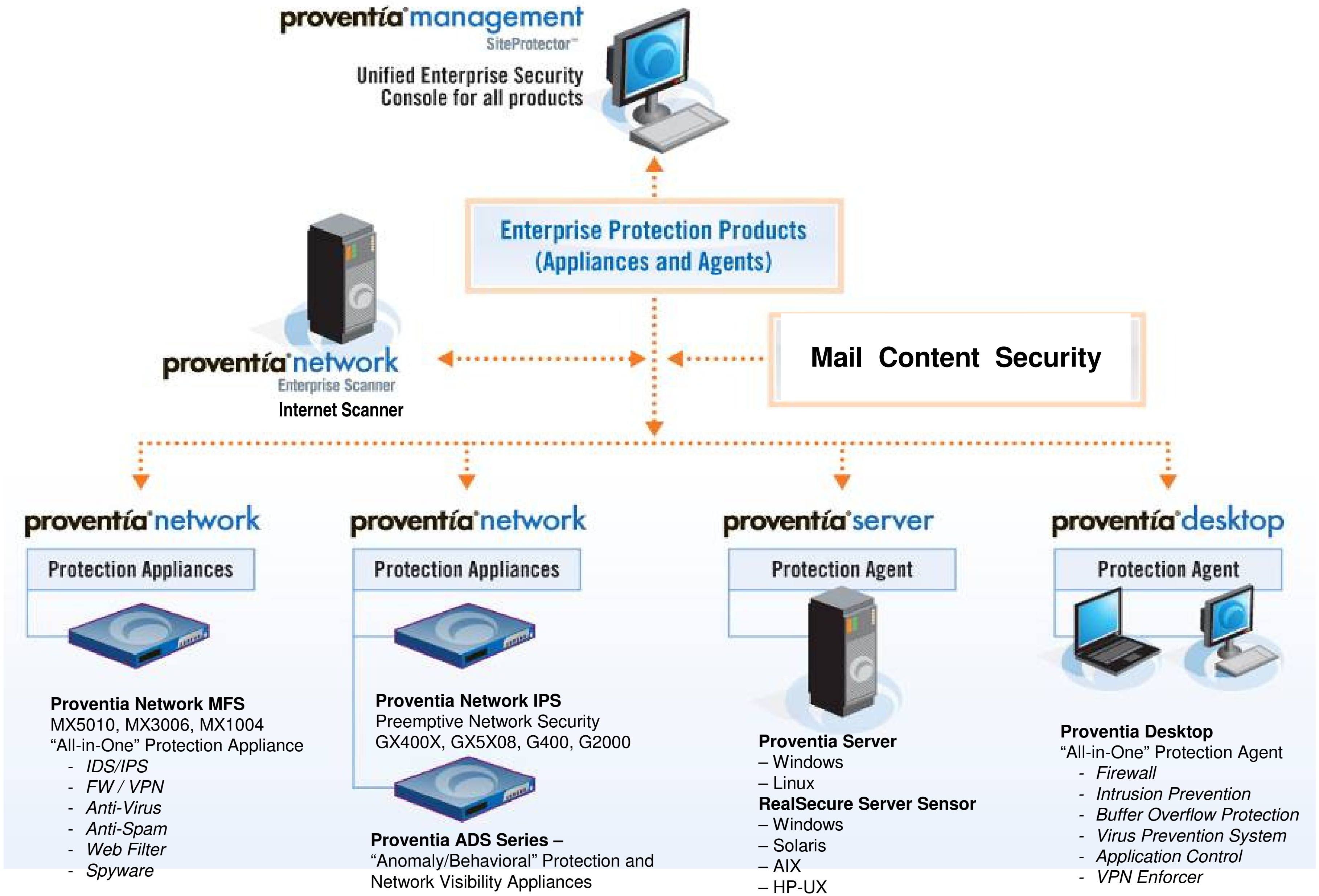
Delivers preemptive network, server and desktop **protection** to preserve availability and prevent security breaches.

Proventia Network Enterprise Scanner

Preserves network **integrity** ensuring the availability of revenue producing systems and protecting intellectual property.

Proventia Network Anomaly Detection System

Provides network **visibility** improving efficiency, compliance and added security with network flow data from existing infrastructure devices



proventia management
SiteProtector™
Unified Enterprise Security
Console for all products

Enterprise Protection Products
(Appliances and Agents)

proventia network
Enterprise Scanner
Internet Scanner

Mail Content Security

proventia network
Protection Appliances

Proventia Network MFS
MX5010, MX3006, MX1004
“All-in-One” Protection Appliance

- *IDS/IPS*
- *FW / VPN*
- *Anti-Virus*
- *Anti-Spam*
- *Web Filter*
- *Spyware*

proventia network
Protection Appliances

Proventia Network IPS
Preemptive Network Security
GX400X, GX5X08, G400, G2000

Proventia ADS Series –
“Anomaly/Behavioral” Protection and
Network Visibility Appliances

proventia server
Protection Agent

Proventia Server
– Windows
– Linux
RealSecure Server Sensor
– Windows
– Solaris
– AIX
– HP-UX

proventia desktop
Protection Agent

Proventia Desktop
“All-in-One” Protection Agent

- *Firewall*
- *Intrusion Prevention*
- *Buffer Overflow Protection*
- *Virus Prevention System*
- *Application Control*
- *VPN Enforcer*

Agenda

1. Internet Security

2. **Application Security**

3. Simplify, Help Secure & Accelerate SOA

4. Security Management

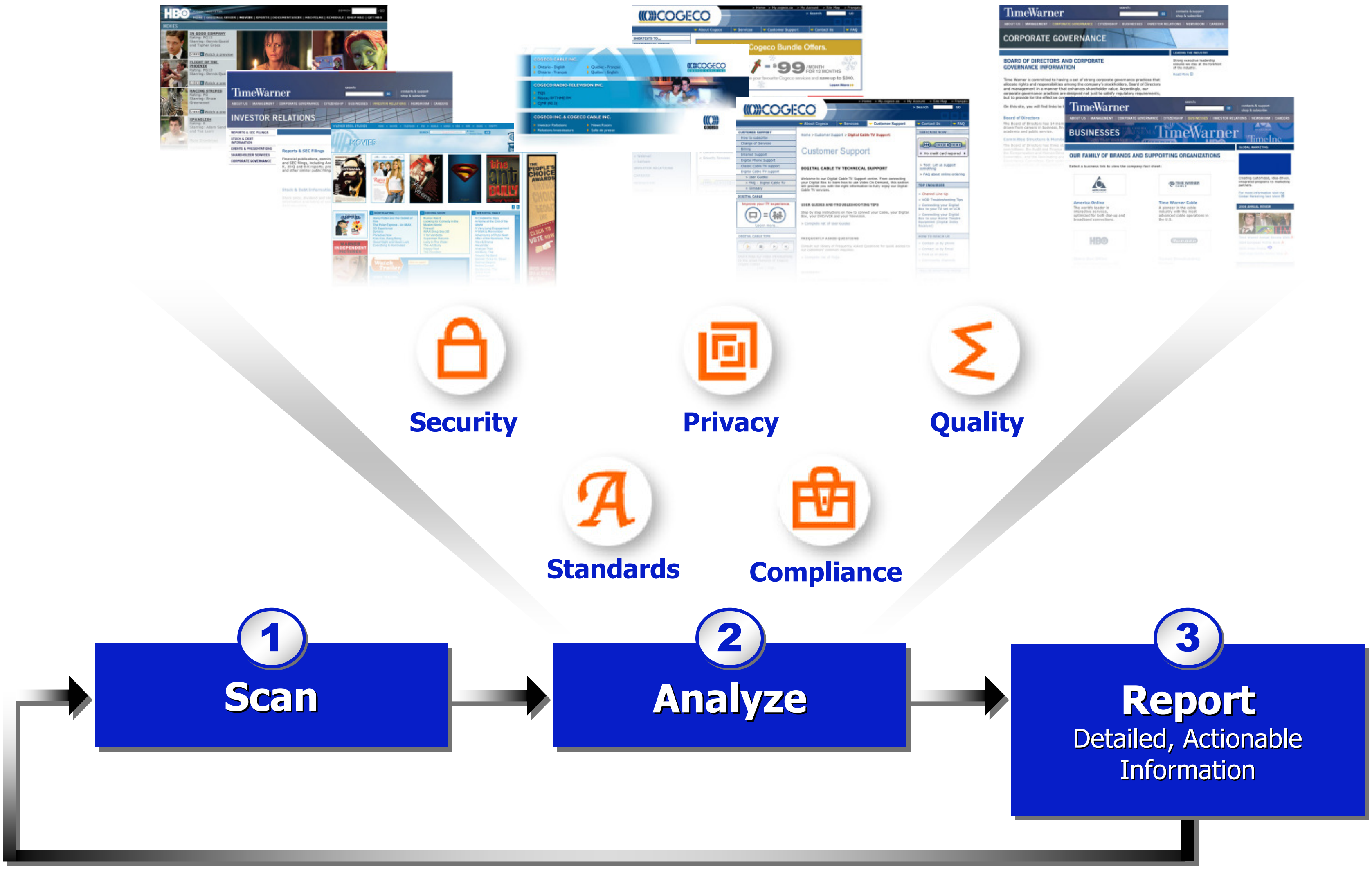
Why application security, compliance and policies are high priority

- **Web applications are the #1 focus of hackers:**
  - 75% of attacks at Application layer (Gartner)
  - XSS and SQL Injection are #1 and #2 reported vulnerabilities (Mitre)
- **Most sites are vulnerable:**
  - 90% of sites are vulnerable to application attacks (Watchfire)
  - 78% percent of easily exploitable vulnerabilities affected Web applications (Symantec)
  - 80% of organizations will experience an application security incident by 2010 (Gartner)
- **Web applications are high value targets for hackers:**
  - Customer data, credit cards, ID theft, fraud, site defacement, etc
- **Compliance requirements and standards provide overall assurance of quality and business governance:**
  - Payment Card Industry (PCI) Standards, GLBA, HIPPA, FISMA,
  - Internal regulatory policies

The cost of an application security breach

- Media Attention > Brand Damage > Sharp Decline in Stock Prices
- Communication/Monitoring Service Costs
- Legal Fees (Reported $3-4 million)
- FTC Penalties (Fines can range up to $15 million)
- Audits
- Customer Lawsuits
- Customer Loss

How technology works



Security

Privacy

Quality

Standards

Compliance

1 Scan

2 Analyze

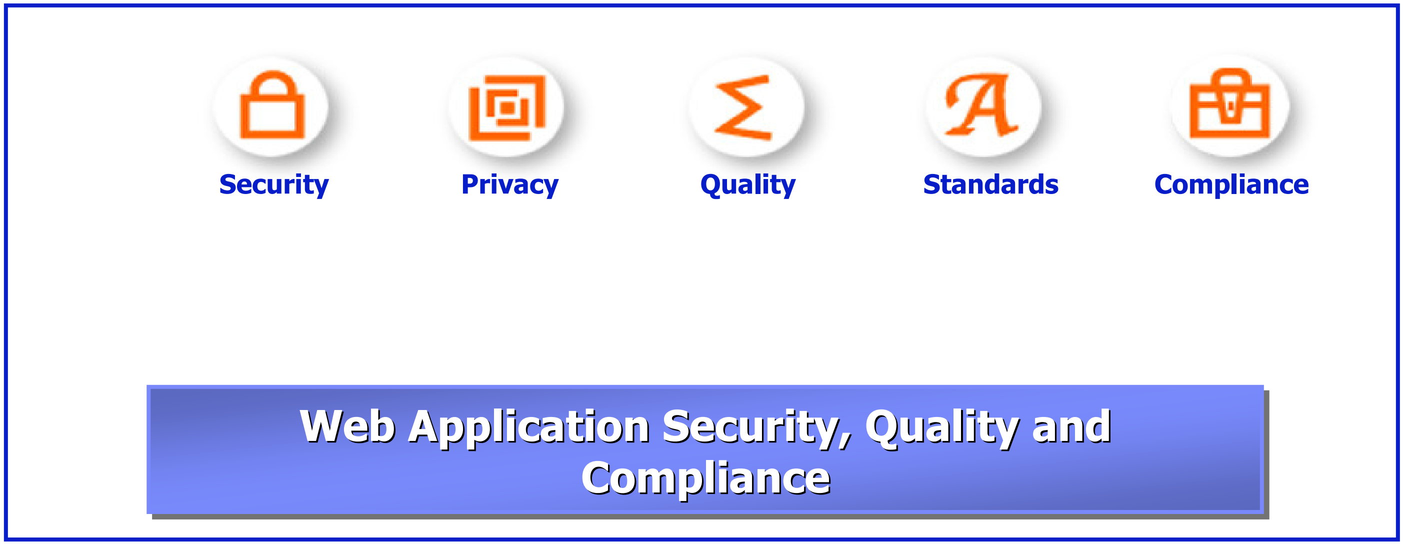
3 Report

Detailed, Actionable Information

Introducing IBM Rational AppScan and IBM Rational Policy Tester Solutions

New !

Web application vulnerability and web compliance testing solutions to help enterprises **reduce risk and the costs** associated with online security and compliance breaches.



Security

Privacy

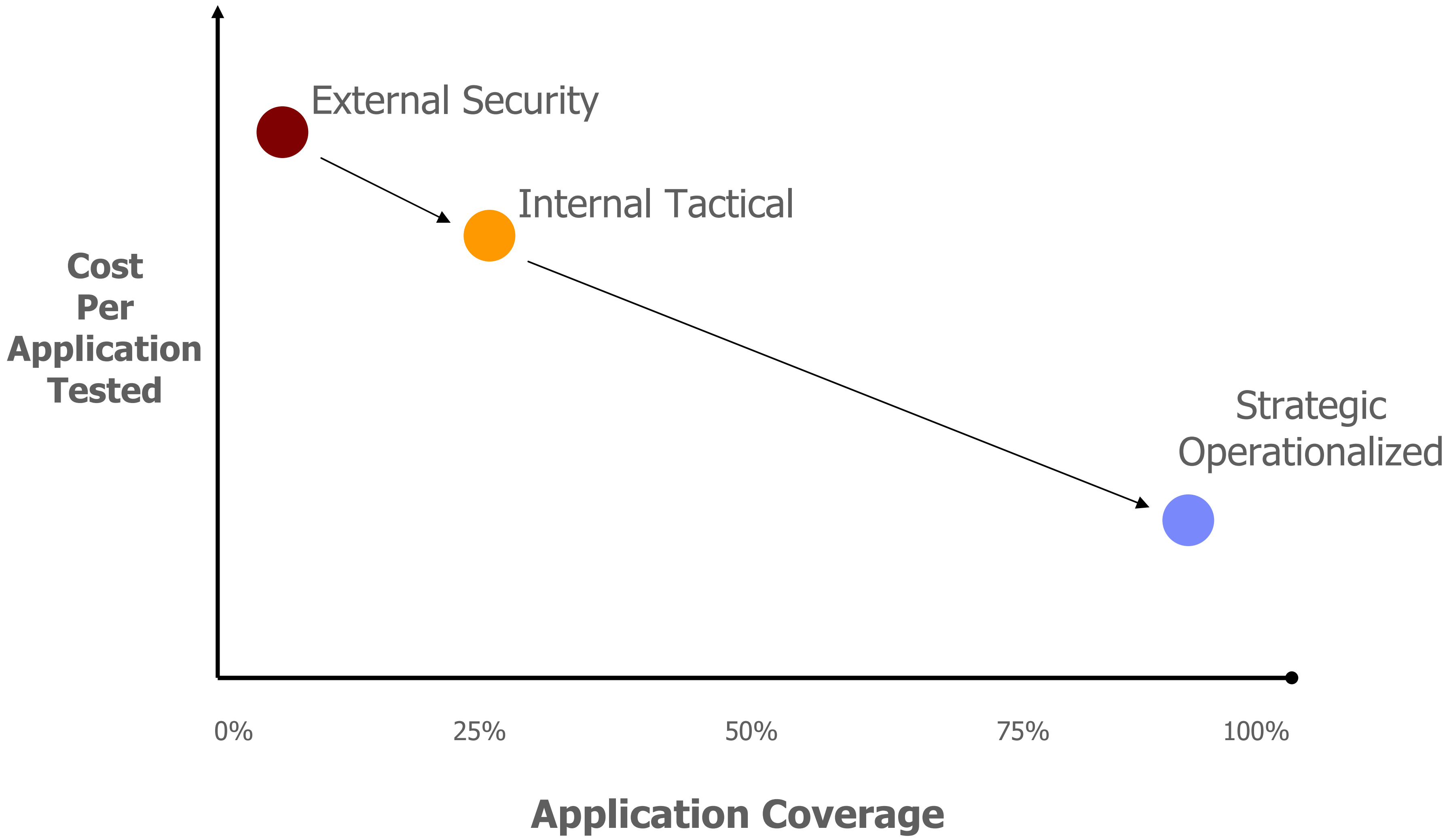
Quality

Standards

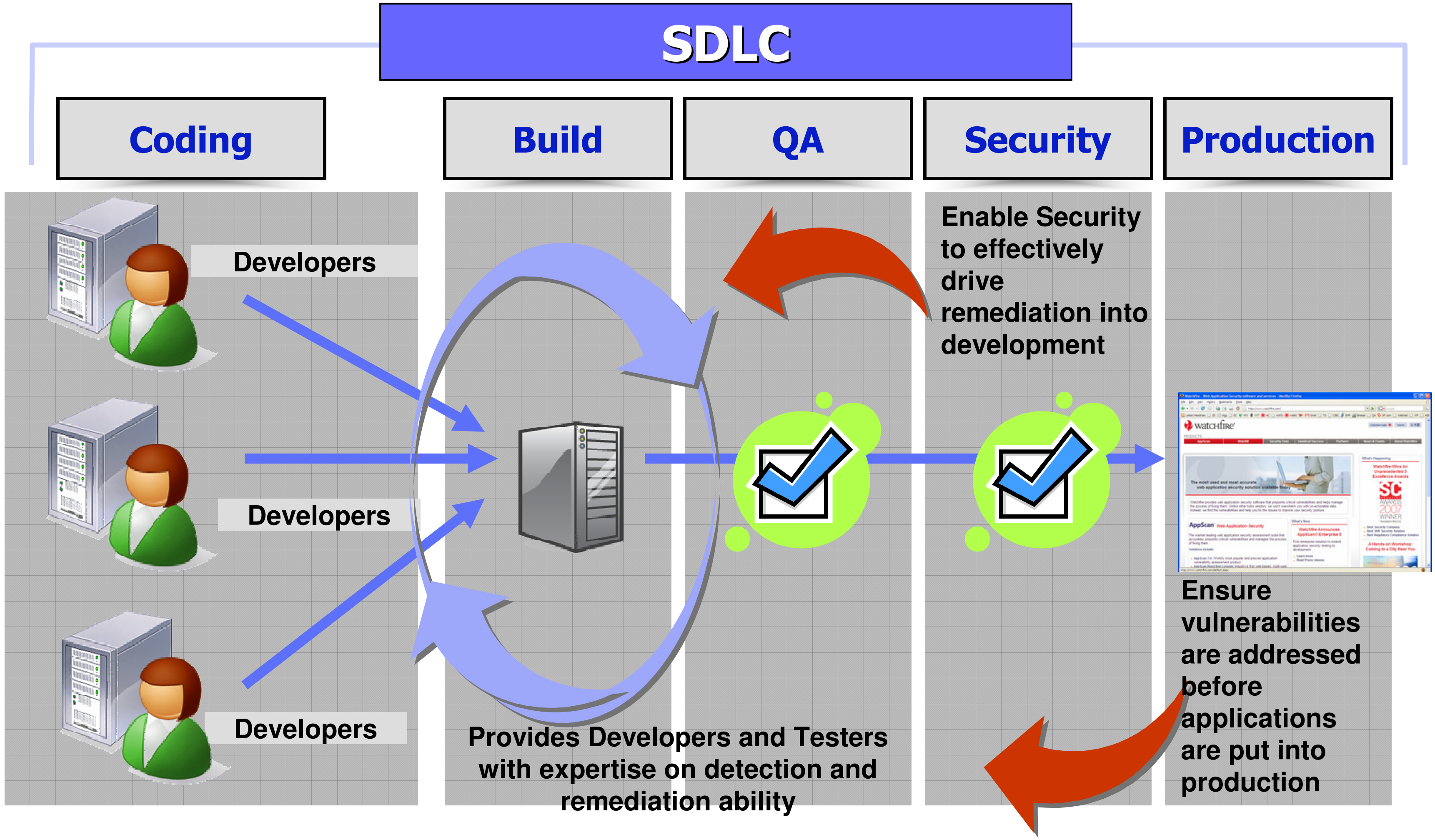
Compliance

Web Application Security, Quality and Compliance

Reduced costs, increased coverage



Building security & compliance into the SDLC



SDLC

Coding

Build

QA

Security

Production

Developers

Developers

Developers

Enable Security to effectively drive remediation into development

Provides Developers and Testers with expertise on detection and remediation ability

Ensure vulnerabilities are addressed before applications are put into production

Agenda

1. Internet Security

2. Application Security

3. **Simplify, Help Secure & Accelerate SOA**

4. Security Management

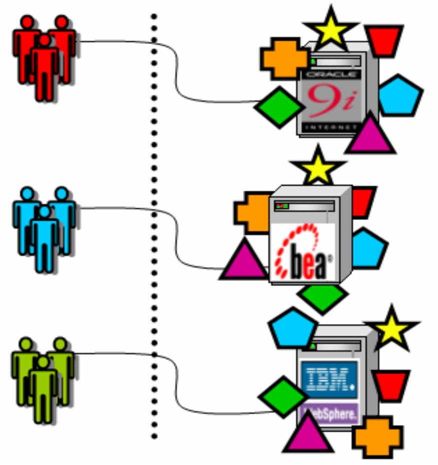
Why an Appliance for SOA

- Hardened, specialized hardware for helping to integrate, secure & accelerate SOA
- Many functions integrated into a single device
- Higher levels of security assurance certifications require hardware
  - Example: government FIPS Level 3 HSM, Common Criteria
- Higher performance with hardware acceleration
  - Impact: ability to perform more security checks without slow downs
- Addresses the divergent needs of different groups
  - Example: enterprise architects, network operations, security operations, identity management, web services developers
- Simplified deployment and ongoing management
  - Impact: Reduces need for in-house SOA skills & accelerates time to SOA benefits

SOA Appliances Centralize and Simplify Key Functions

- Route, transform, and help secure multiple applications without code changes
- Lower cost and complexity
- Enable new business with unmatched performance

Before SOA Appliance



▲ Security Processing

✚ Routing

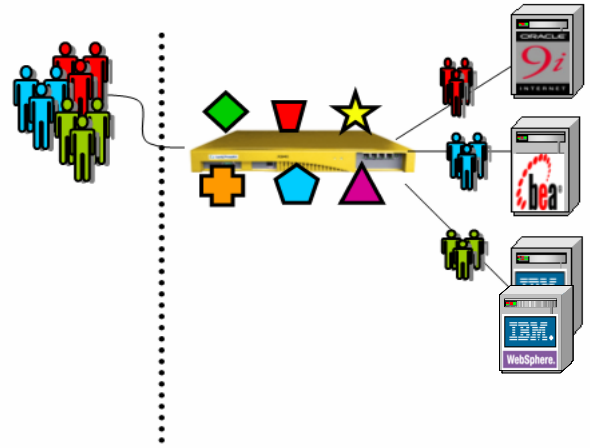
⬟ Transformation

◆ New XML standard

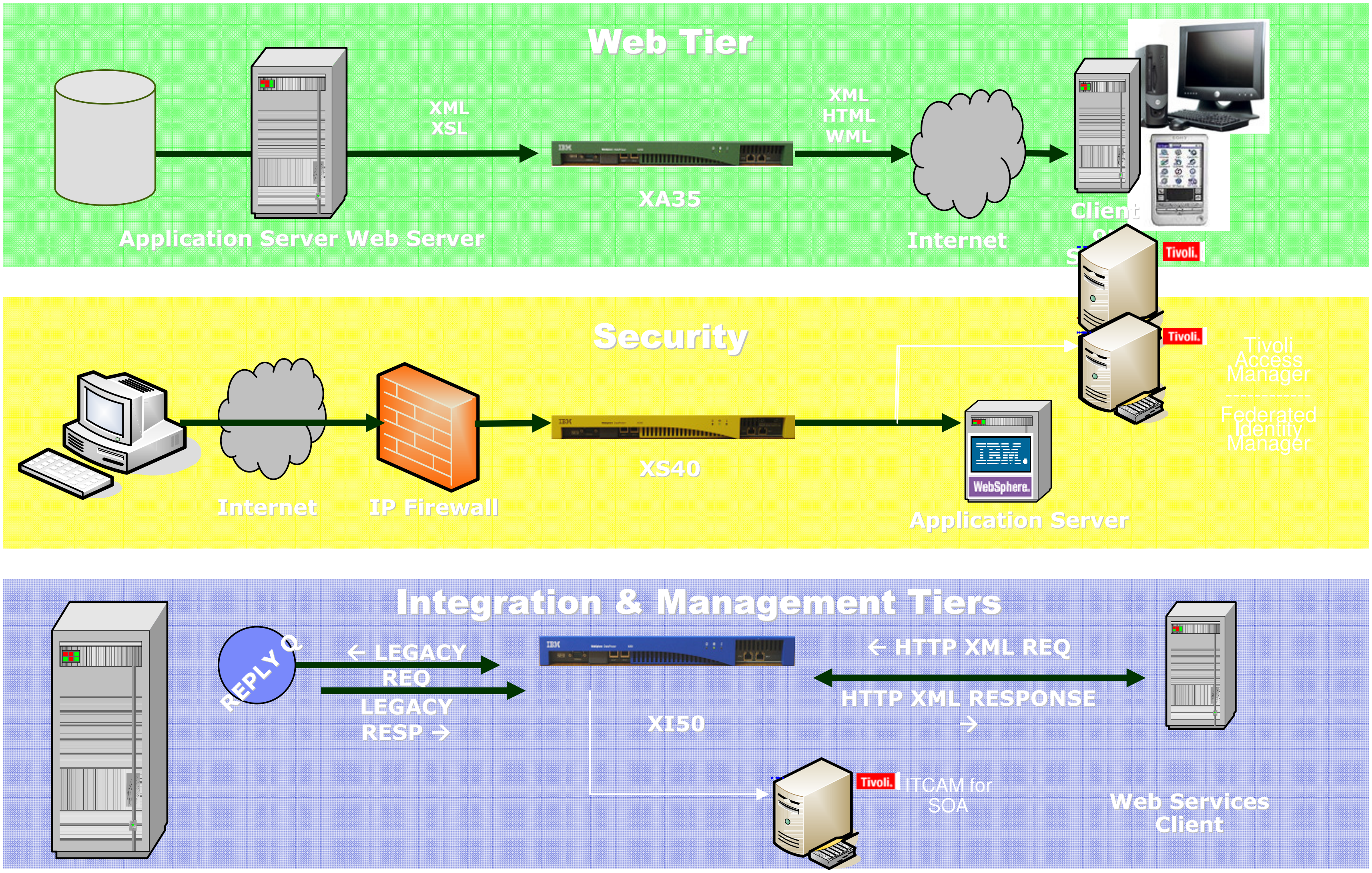
★ Access control update

▼ Change purchase order schema

After SOA Appliances

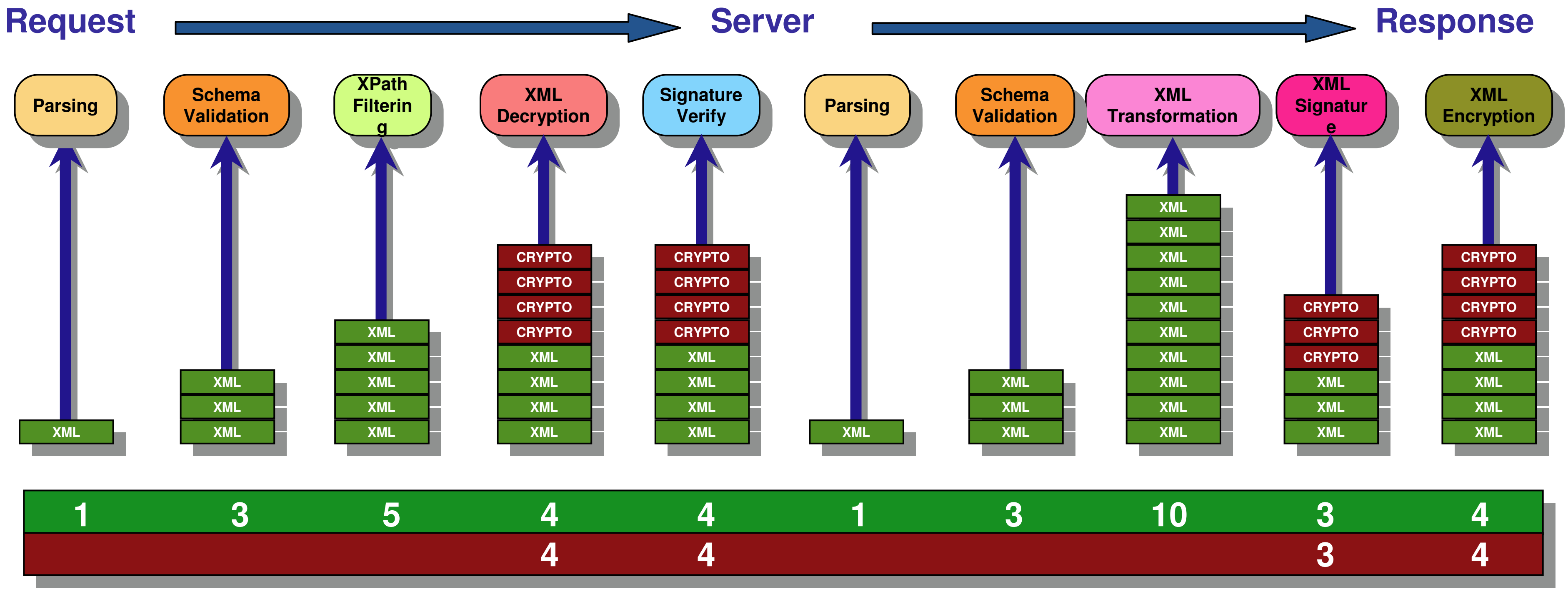


IBM SOA Appliance Deployment Summary



SOA is XML Processing

Round-trip Security Processing Requirements

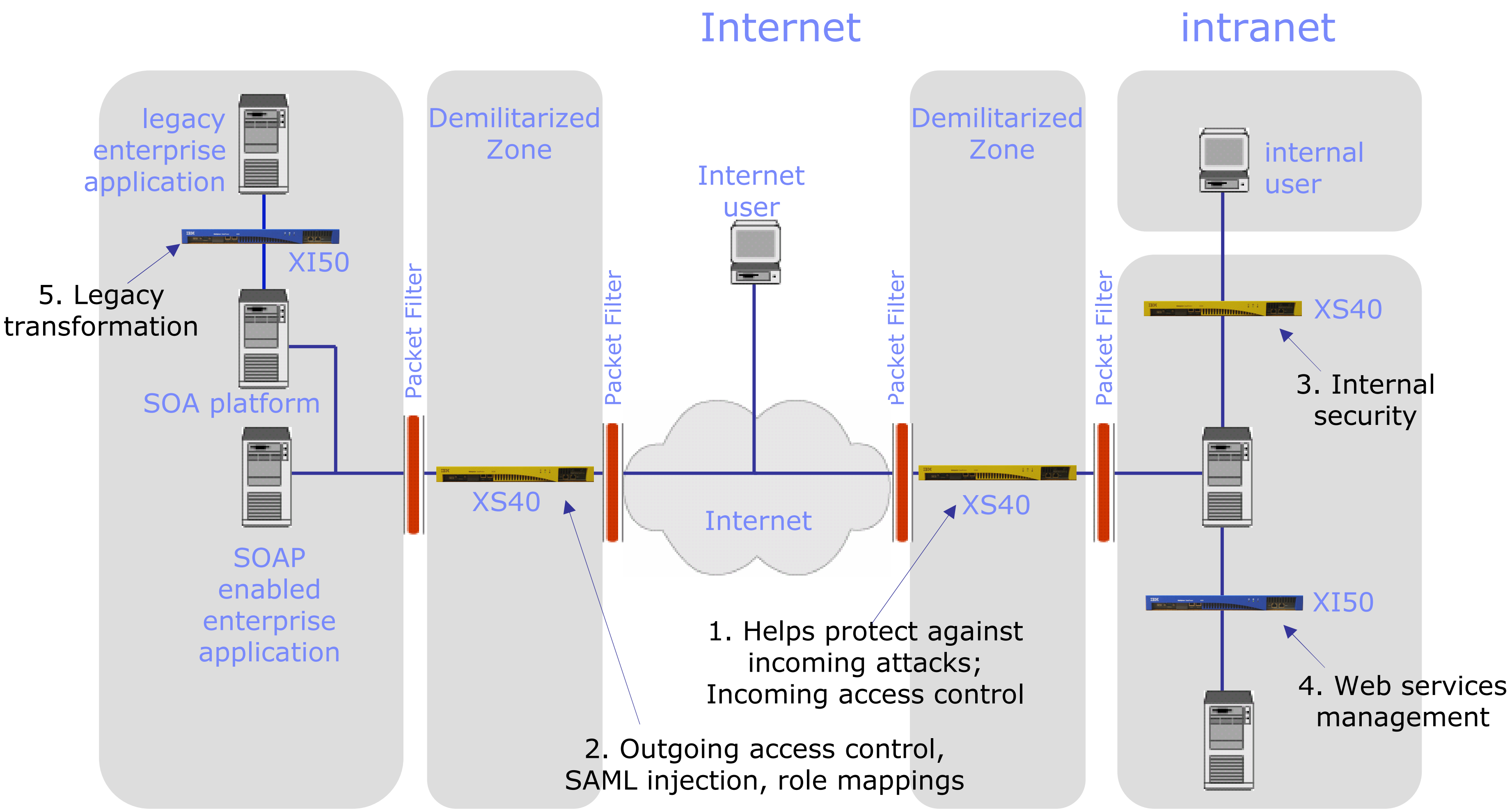


Request → Server → Response

Parsing	Schema Validation	XPath Filtering	XML Decryption	Signature Verify	Parsing	Schema Validation	XML Transformation	XML Signature	XML Encryption
1	3	5	4	4	1	3	10	3	4
			4	4				3	4

- Performance is the Key Enabler for Comprehensive SOA Security
  - XML is the key to cross-format message level data validation
  - All security functions require significant amounts of XML processing
  - Poor security performance can cause customers to disable security features and increase risk
  - Don’t compromise security due to lack of performance

Deployment Scenarios



5. Legacy transformation

3. Internal security

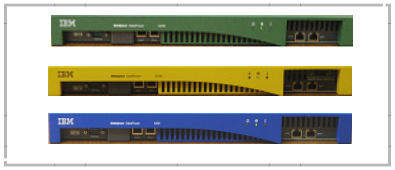
1. Helps protect against incoming attacks; Incoming access control

2. Outgoing access control, SAML injection, role mappings

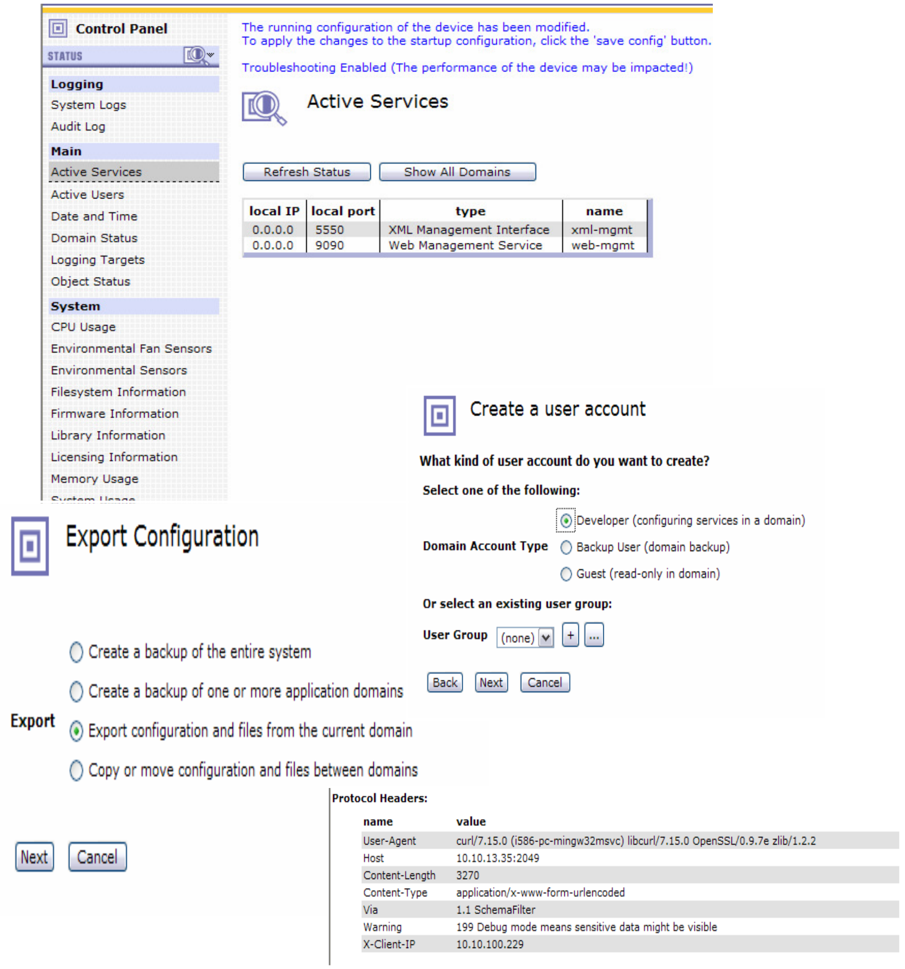
4. Web services management

Telco Usecase

SOA Appliances Operations



- Logging
- Role-based Management
- Managing configs & policy – Deploying, backing up, Diff/Undo, App domains: many virtual devices
- Separate, locked audit log
- Troubleshooting aids
- Security – Device security, Key and Certificate management, HSM option, Security Audit, Single Image Firmware Upgrade



The running configuration of the device has been modified.
To apply the changes to the startup configuration, click the 'save config' button.

Troubleshooting Enabled (The performance of the device may be impacted!)

Active Services

local IP	local port	type	name
0.0.0.0	5550	XML Management Interface	xml-mgmt
0.0.0.0	9090	Web Management Service	web-mgmt

Create a user account

What kind of user account do you want to create?

Select one of the following:

Domain Account Type
● Developer (configuring services in a domain)
○ Backup User (domain backup)
○ Guest (read-only in domain)

Or select an existing user group:

User Group (none)

Export Configuration

Export
○ Create a backup of the entire system
○ Create a backup of one or more application domains
● Export configuration and files from the current domain
○ Copy or move configuration and files between domains

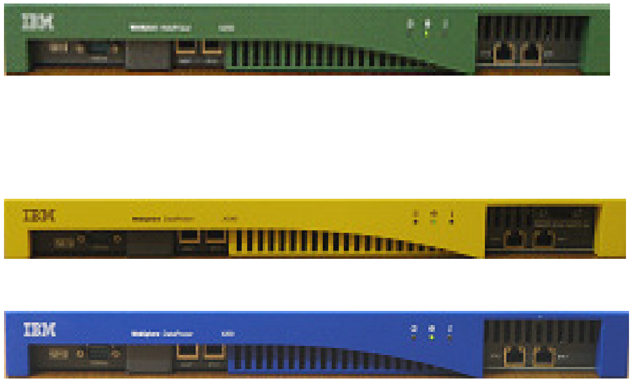
Protocol Headers:

name	value
User-Agent	curl/7.15.0 (i586-pc-mingw32msvc) libcurl/7.15.0 OpenSSL/0.9.7e zlib/1.2.2
Host	10.10.13.35:2049
Content-Length	3270
Content-Type	application/x-www-form-urlencoded
Via	1.1 SchemaFilter
Warning	199 Debug mode means sensitive data might be visible
X-Client-IP	10.10.100.229

Summary – IBM SOA Appliances

- Hardened, specialized product for helping integrate, secure & accelerate SOA
- Many functions integrated into a single device
- Broad integration with both non-IBM and IBM software
- Higher levels of security assurance certifications require hardware
- Higher performance with hardware acceleration
- Simplified deployment and ongoing management

http://www.ibm.com/software/integration/datapower/



SOA Appliances: Creating customer value through extreme SOA performance and security

- **Simplifies** SOA with specialized devices
- **Accelerates** SOA with faster XML throughput
- **Helps secure** SOA XML implementations

Agenda

1. Internet Security
2. Application Security
3. Simplify, Help Secure & Accelerate SOA
4. **Security Management**

IBM Security Management

Benefits Identity & Access Management

Directory Sever Integrator:

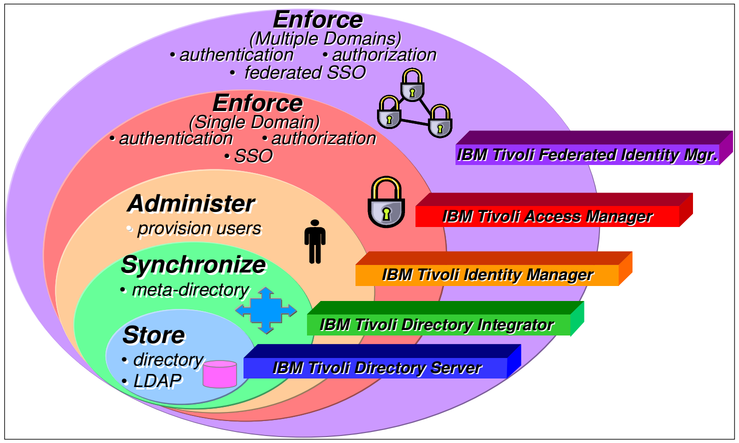
- Provides real-time synchronization between identity data sources so that enterprises can establish an authoritative, up-to-date, identity data infrastructure.

Identity Management:

- Provides a secure, automated and policy-based user management solution that helps effectively manage user accounts, access permissions and passwords from creation to termination across the IT environment .

Access Management:

Software for simple authentication capability across all systems, services, and applications.


Enforce
(Multiple Domains)
• authentication • authorization
• federated SSO
Enforce
(Single Domain)
• authentication • authorization
• SSO
Administer
• provision users
Synchronize
• meta-directory
Store
• directory
• LDAP
IBM Tivoli Federated Identity Mgr.
IBM Tivoli Access Manager
IBM Tivoli Identity Manager
IBM Tivoli Directory Integrator
IBM Tivoli Directory Server

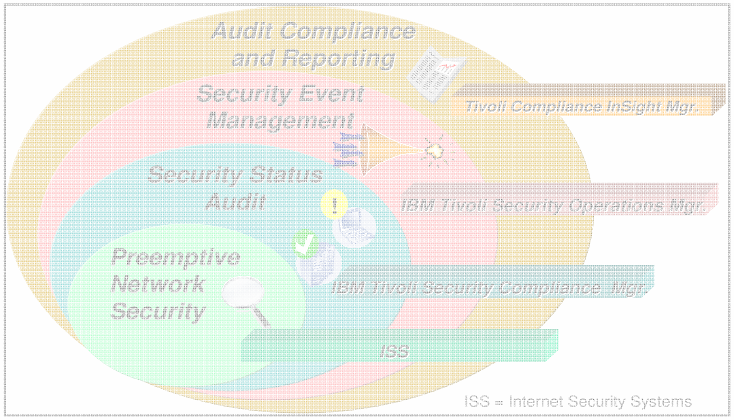
Benefits Compliance

Security Status Auditing:

- Find the changes in your environment

Security Information &Event Management:

- It centralizes and stores security data from throughout the technology infrastructure to improve security operations and information risk management
- Enables you to automate log aggregation, correlation and analysis; recognize, investigate and respond to incidents automatically; and streamline incident tracking and handling


Audit Compliance and Reporting
Security Event Management
Security Status Audit
Preemptive Network Security
Tivoli Compliance InSight Mgr.
IBM Tivoli Security Operations Mgr.
IBM Tivoli Security Compliance Mgr.
ISS

ISS = Internet Security Systems

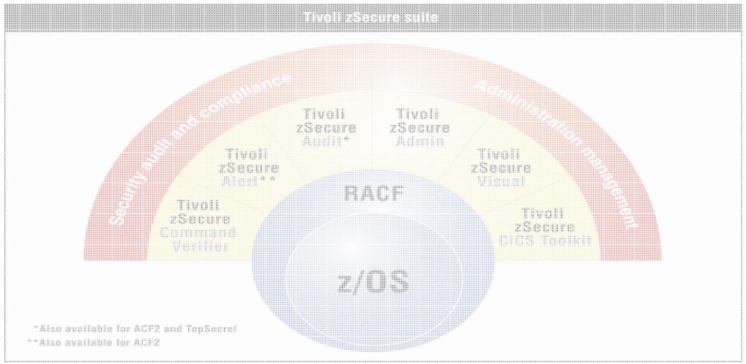
Benefits Mainframe

Administration and provisioning:

- Admin enhances user management
- Visual offers a Microsoft® Windows® GUI
- CICS Toolkit for simplified CICS security management

Audit, monitoring and compliance:

- Audit provides event detection, analysis & reporting and system integrity audit & analysis
- Alert provides intrusion detection and alerting
- Command Verifier offers automated security monitoring


Tivoli zSecure suite
Security audit and compliance
Administration management
Tivoli zSecure Audit*
Tivoli zSecure Admin
Tivoli zSecure Alert**
Tivoli zSecure Visual
Tivoli zSecure Command Verifier
Tivoli zSecure CICS Toolkit
RACF
z/OS

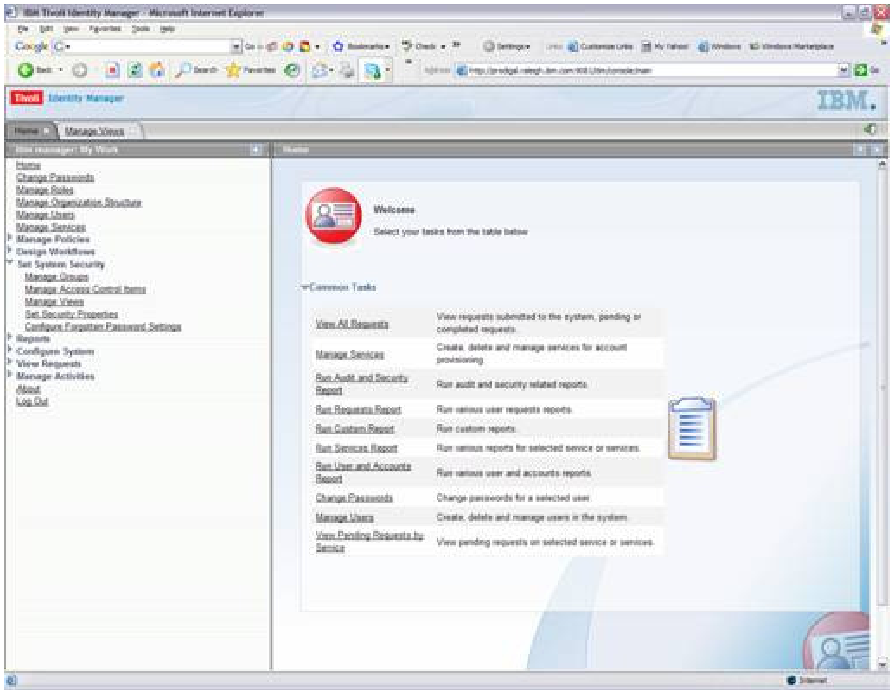
*Also available for ACF2 and TopSecret
**Also available for ACF2

Identity Manager Family

IBM Tivoli Identity Manager provides a secure, automated and policy-based user management solution that helps effectively manage user identities throughout their lifecycle across both legacy and e-business environments

Key Features

- Reduces help-desk load by using Web self service and password reset/sync interfaces
- Cuts elapsed turn-on time, automates routine administrative tasks and helps eliminate errors
- Assists in addressing compliance issues. Quickly respond to internal audits and regulatory mandates
- Automates business processes related to changes in user identities by using life-cycle management
- Centralized control and local autonomy, which can ensure security and consistent policy on your most sensitive systems
- Enhances integration via extensive APIs
- Choose to manage target systems either with an agent or agentless



Welcome

Select your tasks from the table below

Common Tasks

View All Requests	View requests submitted to the system, pending or completed requests
Manage Services	Create, delete and manage services for account provisioning
Run Audit and Security Report	Run audit and security related reports
Run Requests Report	Run various user requests reports
Run Custom Report	Run custom reports
Run Services Report	Run various reports for selected service or services
Run User and Accounts Report	Run various user and accounts reports
Change Passwords	Change passwords for a selected user
Manage Users	Create, delete and manage users in the system
View Pending Requests by Service	View pending requests on selected service or services

also offered:

Directory Server

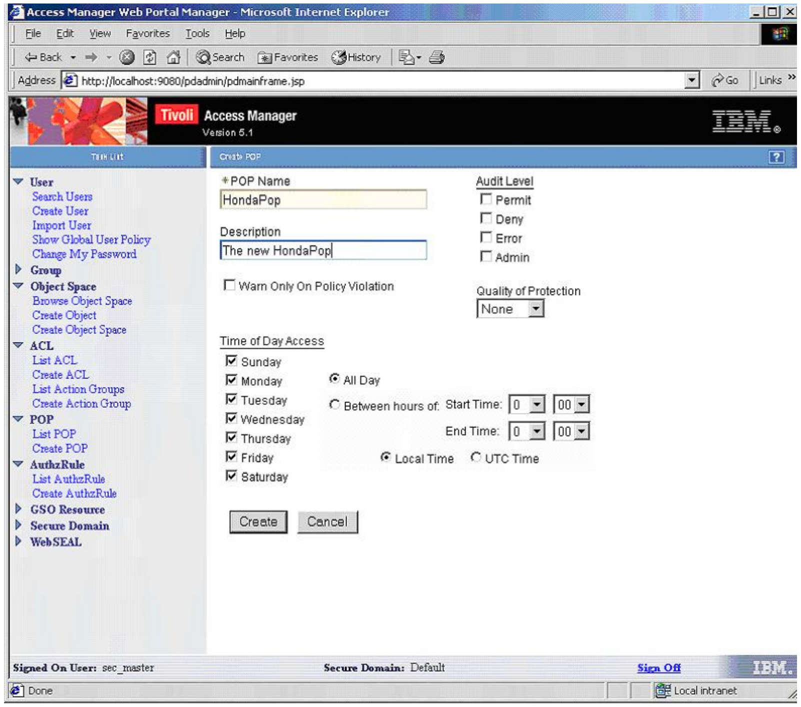
Directory Integrator

Access Manager Family

IBM Tivoli Access Manager is an award-winning, policy-based, access control security solution for e-business and enterprise applications, featuring Web-based single sign-on and distributed Web-based administration.

Key Features

- **Delivers unified authentication and authorization access to diverse Web-based applications within entire enterprise**
- **Supports flexible single sign-on to Web, Microsoft, telnet and mainframe application environments**
- **Achieves rapid and scalable deployment of Web applications, with standards-based support for Java 2 Enterprise Edition (J2EE) applications**
- **Offers design flexibility through a highly scalable proxy architecture and/or easy-to-install Web server plug-ins, rule- and role-based access control, support for leading user registries & platforms, and advanced APIs for further customized security**
- **Common Criteria certified**



Address: http://localhost:9080/pdadmin/pdmainframe.jsp

*POP Name: HondaPop

Description: The new HondaPop

☐ Warn Only On Policy Violation

Audit Level: ☐ Permit ☐ Deny ☐ Error ☐ Admin

Quality of Protection: None

Time of Day Access

☑ Sunday
☑ Monday
☑ Tuesday
☑ Wednesday
☑ Thursday
☑ Friday
☑ Saturday

● All Day
○ Between hours of: Start Time: 0 : 00 End Time: 0 : 00
● Local Time ○ UTC Time

Signed On User: sec_master Secure Domain: Default

also offered:

Access Manager for Enterprise SSO

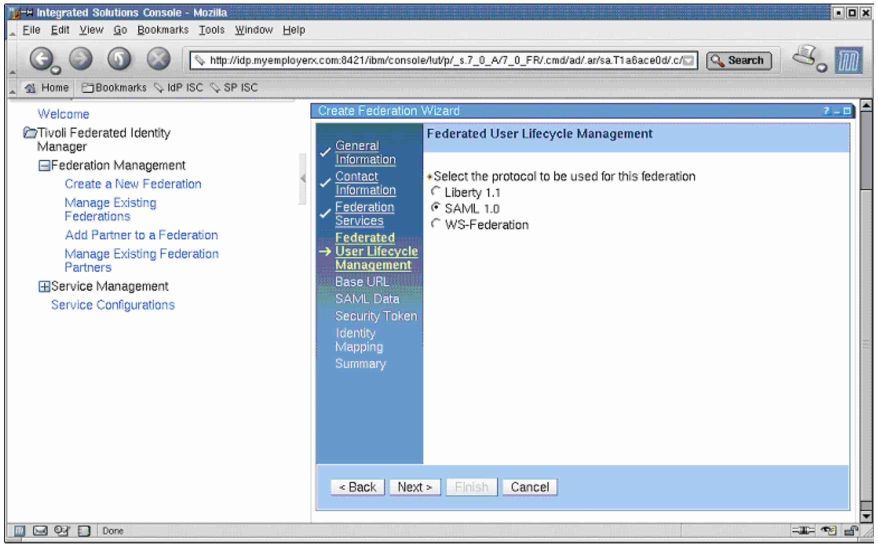
Access Manager for Operating Systems

Federated Identity Manager

Tivoli Federated Identity Manager is a standards-based, access control solution for federated single sign-on (SSO) and trust management in a web services & SOA environments.

Key features

- Most complete federated SSO in the industry
- Supports latest federated SSO protocols in the “Hub” including:
  - Liberty ID-FF 1.x (Compliant), SAML 1.0, 1.1, 2.0, WS-Federation
- Provisioning for user lifecycle management
  - Define, modify, and remove user/group definitions between partnered organizations
  - z/OS support including RACF PassTicket access to CICS and IMS transactions
- Web Services & SOA Security Management
  - Support complex identity mapping & mediation
- Provides security as services
  - administration (provisioning)
  - authentication (WS-Federation & WS-Trust).


Integrated Solutions Console - Mozilla
File Edit View Go Bookmarks Tools Window Help
http://idp.myemployerx.com:8421/ibm/console/lut/p/_s.7_0_A/7_0_FR/.cmd/ad/.ar/sa.T1a6ace0d/.c/
Search
Home
Bookmarks
IdP ISC
SP ISC
Welcome
Tivoli Federated Identity Manager
Federation Management
Create a New Federation
Manage Existing Federations
Add Partner to a Federation
Manage Existing Federation Partners
Service Management
Service Configurations
Create Federation Wizard
✓ General Information
✓ Contact Information
✓ Federation Services
→ Federated User Lifecycle Management
Base URL
SAML Data
Security Token
Identity Mapping
Summary
< Back
Next >
Finish
Cancel
Done

Federated User Lifecycle Management

*Select the protocol to be used for this federation

○ Liberty 1.1
● SAML 1.0
○ WS-Federation

FIM Business Gateway

- Offering for enterprise-partner enablement
- Single “box” installation – no separate pre-reqs/components/dependencies
- Support SAML based on customer requirements

IBM Security Management

Benefits Identity & Access Management

Directory Sever Integrator:

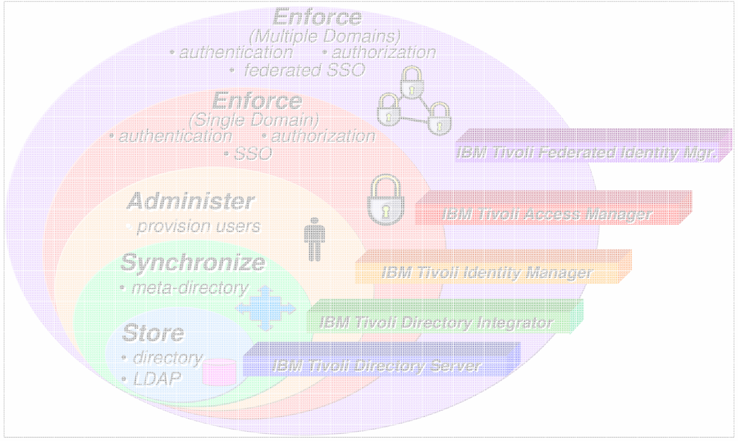
- Provides real-time synchronization between identity data sources so that enterprises can establish an authoritative, up-to-date, identity data infrastructure.

Identity Management:

- Provides a secure, automated and policy-based user management solution that helps effectively manage user accounts, access permissions and passwords from creation to termination across the IT environment .

Access Management:

Software for simple authentication capability across all systems, services, and applications.



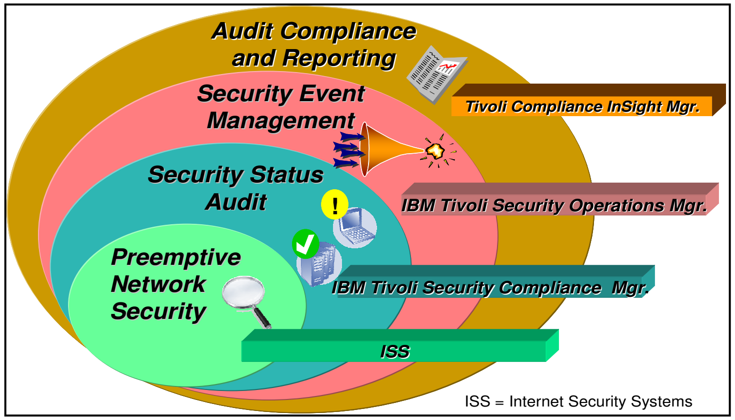
Benefits Compliance

Security Status Auditing:

- Find the changes in your environment

Security Information &Event Management:

- It centralizes and stores security data from throughout the technology infrastructure to improve security operations and information risk management
- Enables you to automate log aggregation, correlation and analysis; recognize, investigate and respond to incidents automatically; and streamline incident tracking and handling


Audit Compliance and Reporting
Security Event Management
Security Status Audit
Preemptive Network Security
Tivoli Compliance InSight Mgr.
IBM Tivoli Security Operations Mgr.
IBM Tivoli Security Compliance Mgr.
ISS

ISS = Internet Security Systems

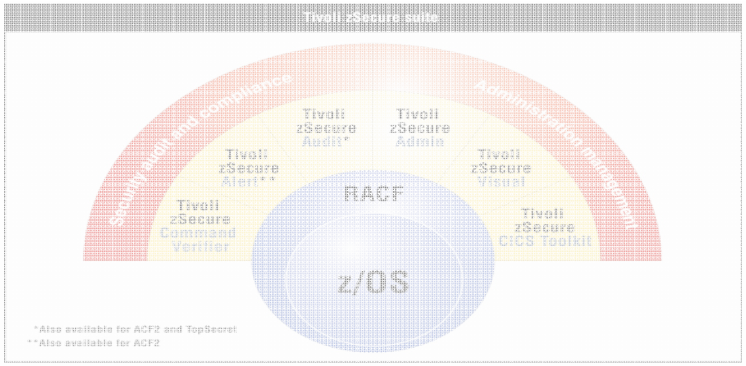
Benefits Mainframe

Administration and provisioning:

- Admin enhances user management
- Visual offers a Microsoft® Windows® GUI
- CICS Toolkit for simplified CICS security management

Audit, monitoring and compliance:

- Audit provides event detection, analysis & reporting and system integrity audit & analysis
- Alert provides intrusion detection and alerting
- Command Verifier offers automated security monitoring


Tivoli zSecure suite
Security audit and compliance
Administration management
Tivoli zSecure Audit*
Tivoli zSecure Admin
Tivoli zSecure Alert**
Tivoli zSecure Visual
Tivoli zSecure Command Verifier
Tivoli zSecure CICS Toolkit
RACF
z/OS

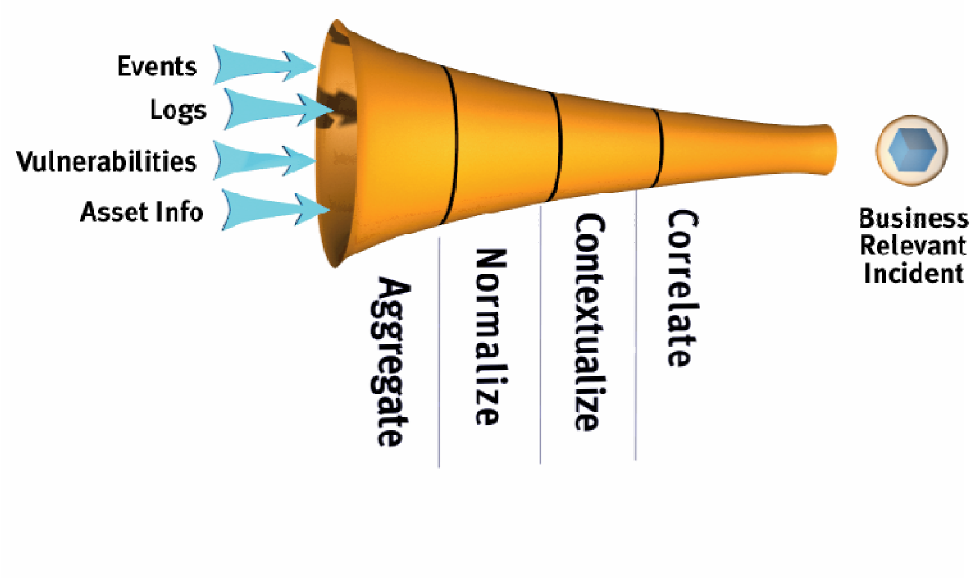
*Also available for ACF2 and TopSecret
**Also available for ACF2

Security Operations Manager for Security Event Monitoring

IBM Tivoli Security Operations Manager (TSOM) is a real-time security information and event management (SIEM) platform designed to improve the effectiveness and efficiency of security operations and information risk management. TSOM centralizes and stores security data from throughout the heterogeneous technology infrastructure so that security analysts can:

Key Features

- ☑ **Log Management** - automated aggregation of security events and audit logs
- ☑ Correlation - Real-time, cross-device event correlation for incident management and investigation
- ☑ **Regulatory Compliance** – reporting and policy monitoring to support regulatory compliance initiatives
- ☑ Maximize and amplify security operations resources through automation
- ☑ Integrates Security Operations with other IT Operations groups via Netcool and TEC



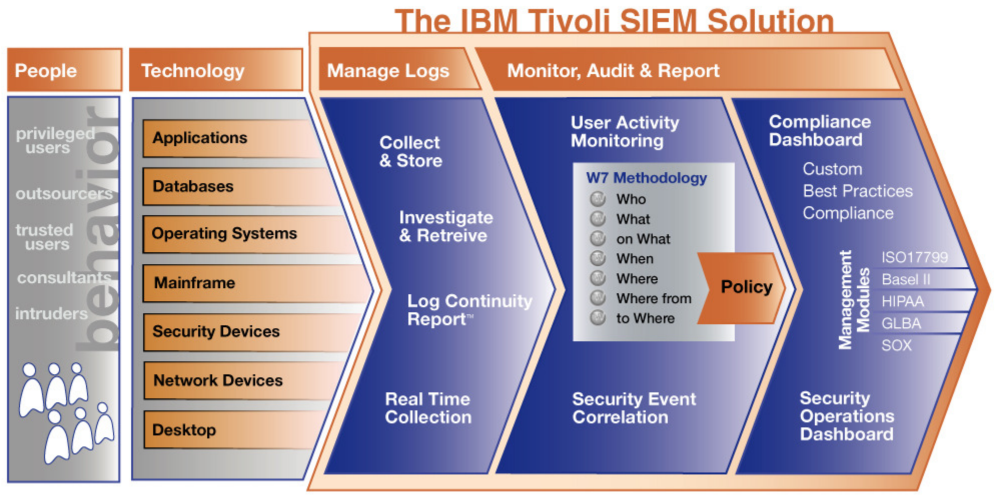
> *“TSOM automates the aggregation and correlation process. It mitigates false positives and alerts my team to real threats in a timely manner. The product is more or less what I would have designed and built myself, given four years and a pool of developers.”*
>
> *~ Communications User of TSOM*

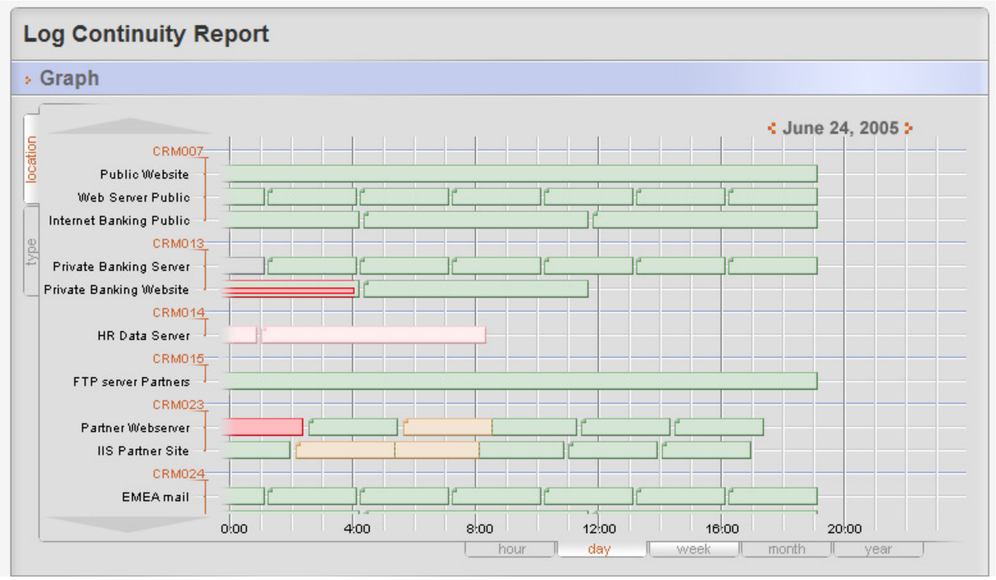
Assessing compliance: Compliance InSight Manager

Consul InSight Security Manager provides an enterprise security compliance dashboard with in-depth (privileged) user monitoring capabilities, all powered by a comprehensive log and audit trail collection capability

Key Features

- Unique ability to monitor user behavior
- Enterprise compliance dashboard
- Compliance management modules and regulation-specific reports
- Broadest, most complete log and audit trail capture capability
- W7 log normalization translates your logs into English
- Easy ability to compare behavior to regulatory and company policies





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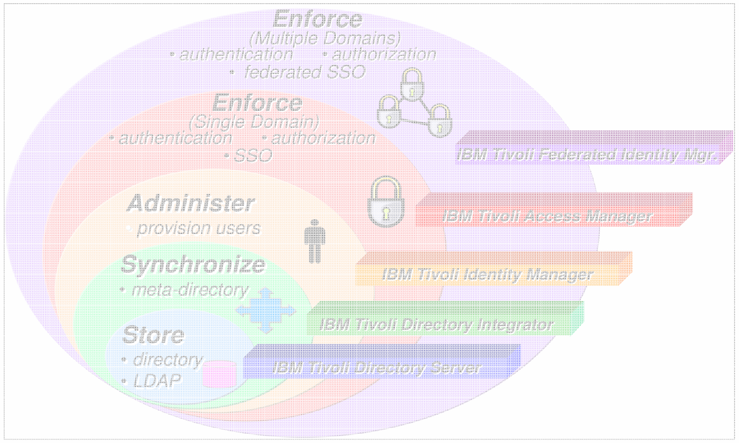
Enforce
(Multiple Domains)
• authentication • authorization
• federated SSO
Enforce
(Single Domain)
• authentication • authorization
• SSO
Administer
• provision users
Synchronize
• meta-directory
Store
• directory
• LDAP
IBM Tivoli Federated Identity Mgr.
IBM Tivoli Access Manager
IBM Tivoli Identity Manager
IBM Tivoli Directory Integrator
IBM Tivoli Directory Server

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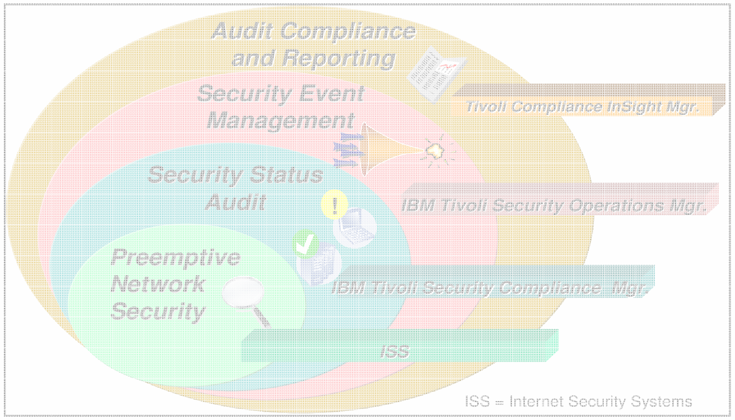
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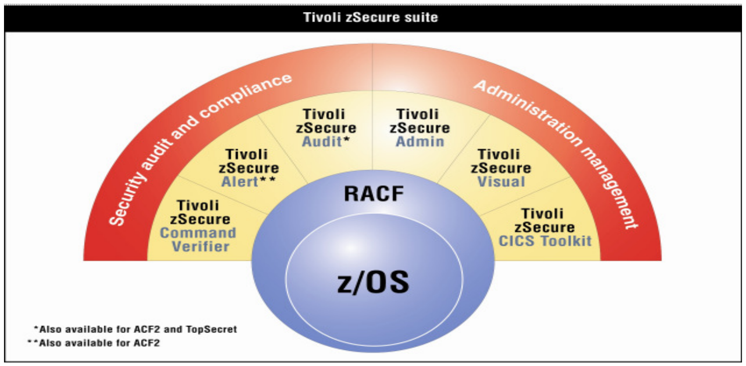
Tivoli zSecure suite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Tivoli zSecure Command Verifier
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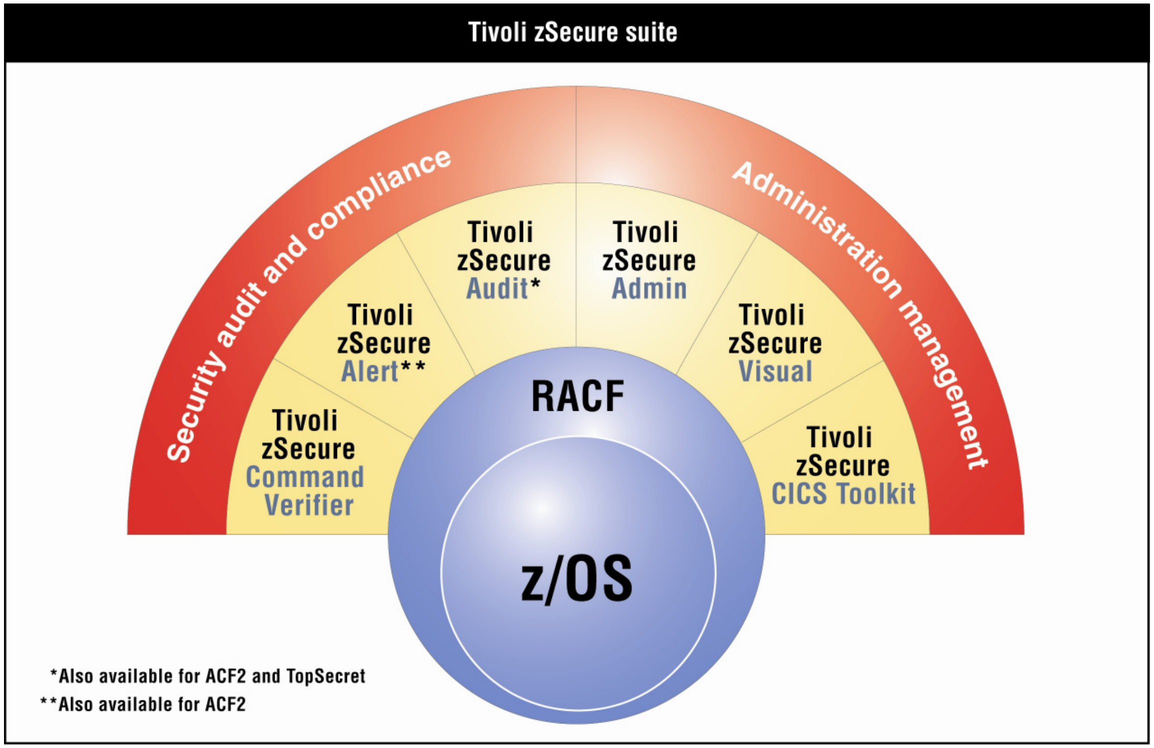
RACF
z/OS

*Also available for ACF2 and TopSecret
**Also available for ACF2

zSecure Suite

Security Management and Administration for z/OS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Components

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- Command Verifier offers automated security monitoring

IBM Kontakte für Security

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3. **Simplify, Help Secure & Accelerate SOA**
   bgei@ch.ibm.com / 079 628 86 08

4. **Security Management**
   dieter.bartl@ch.ibm.com / 079 468 02 90