

IBM Systems and Technology Group University 2005

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**Donald Cronin** 



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## **Demystifying Security – CB-19**

Don Cronin, Corporate Security Strategy, IBM



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Abstract: This session will present an end-to-end view of the different layers of security: the server environment, protecting the network and trusted identity. Also, a review of current security offerings and how to use the IBM security story as a pervasive aspect of selling.



## **Learning Objectives**

- Describe the IBM On Demand Security Strategy
- Defend IBM's leadership position in security.
- Identify the parts of the On Demand Security Strategy and how IBM leads.
- Explain how IBM has partnered to satisfy the end-toend needs of security.
- Understand how the IBM Security Story can help increase sales



## Agenda

- What is security and why is it important?
- Why should you care about security?
  - The on demand journey
  - What's on the customer's mind
  - Market drivers
- How do you have the security discussion with customers?
  - Impact of security on the business
  - The 5 categories of risk
  - Recognize the value of security
  - Improve sales against the competition
- Summary of key offerings
- What have we got to help you sell?
- Next steps





## What is security, why is it important?

## What is security? The Market Definition

Security technology enables the ability to rapidly adapt and respond to opportunities, regulations and risks, to maintain secure, continuous, business operations, be a more trusted partner, and enable growth.

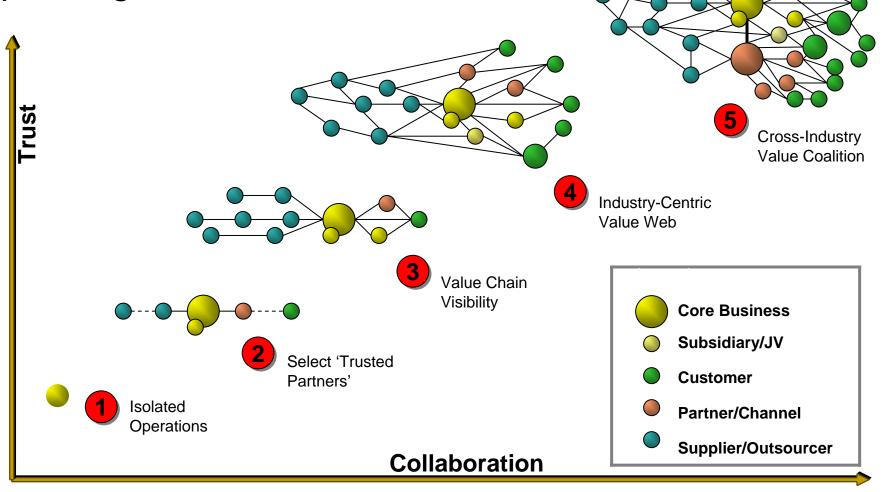
## Why is security important?

The business drivers of On Demand are causing a paradigm shift to the perimeter-less enterprise, enabling information delivery anywhere, anytime and connecting internal business processes to employees, customers, partners and suppliers. The same hyper-connectivity capabilities that deliver competitive advantage provide increased exposure to business risk if not effectively secured.





Increased collaboration brings greater business rewards, but also poses greater business risks





## Boardroom level emphasis on Security & Privacy

#### 1. World Wide Political Events

Military Actions, Terrorist concerns, Transportation safety

#### 2. Social and Business Constraints

Corp. Financial Crisis, Brand liability changes, Identity theft

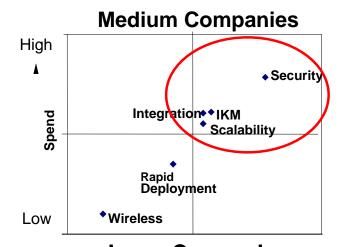
#### 3. Regulatory & Privacy Demands

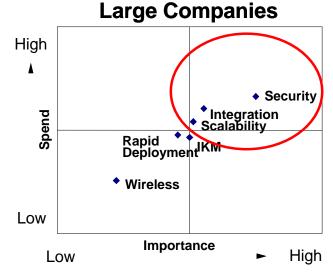
HIPPA, GLB, Common Criteria, EU & Australian Privacy Acts

#### 4. External Attacks

- Hacker and System Virus potency in all Industries
  - SoBig.E represented 75% of the email traffic on 8/25/03

Result: Security continues to extend beyond technology and traditional IT personnel



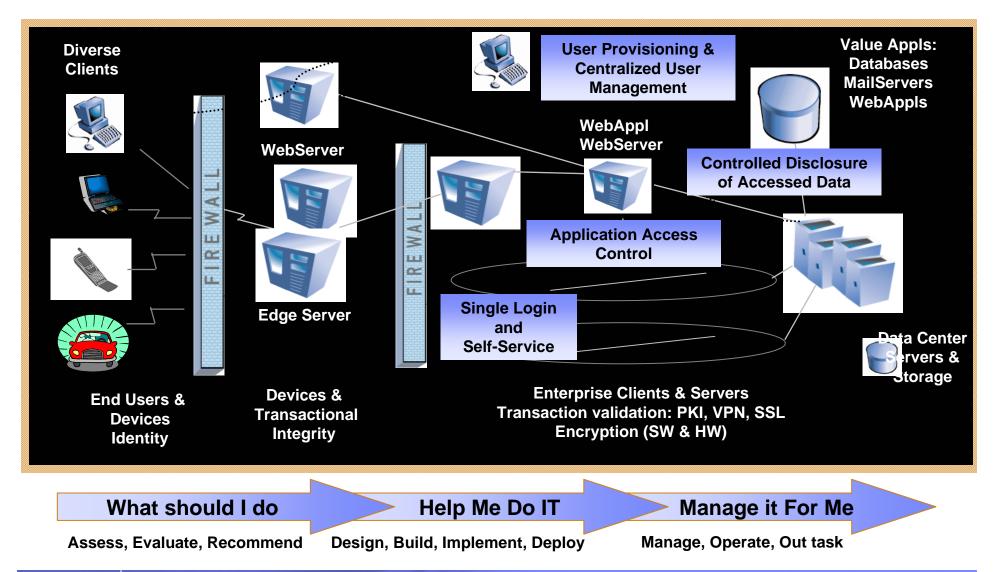


Source: 2003 e-business Infrastructure Needs Assessment Research





## Security is a key concern of an on demand enterprise





## Key repeating themes from customer interviews

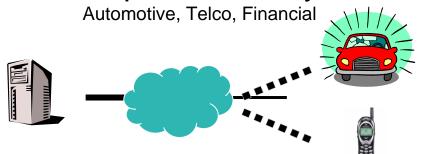
- Manage end to end policy complexity of users, customers, resources & BPs
- Drive cost efficiency today....now!!!
- 3. Create *dynamic* security of occasionally connected users, businesses & resources

# High integrity, intra business federated transactions

Telco, Government, Financial, Healthcare...



# Device personalization and corporate liability



# Brand image, privacy and Identity validation

Financial, Healthcare





#### **DRAFT**

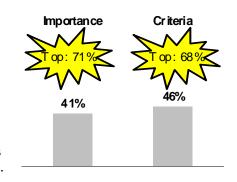
### Security Market View

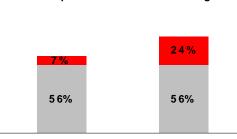
Security is an important topic to IT leaders and it appears they 're spending money on servers and storage to improve their security infrastructure; so, while it's not at the top of their list as a buying criteria it's an important business need and increasingly important to server selection

**BOC Avg** 

- On a verage, over 40% of the market has as an IT objective the requirement to improve security of their IT systems and in the top market (govt) 71% views ecurity as critical.
- Nearly 50% of the market identifies the availability of advanced security solutions as a server vendor buying criteria.
- IBM lags the competitors substantially (7 points) in the market and mean BOC across markets by 24 points.

   IDM
- IBM trails competition in ALL but one of STG priority industries.





Comp Idx

The enterprise security infrastructure opportunity for servers and storage is growing at 3x the overall storage



Leading in only 1 of 5 of STG priority markets

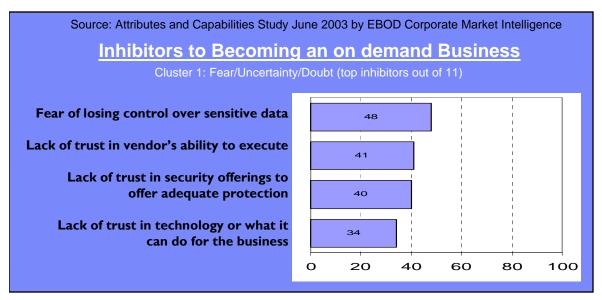


Source: 2004 NDB Refresh STG Segment Marketing & Portfolio Strategy





## Market Trends: Security is a top priority

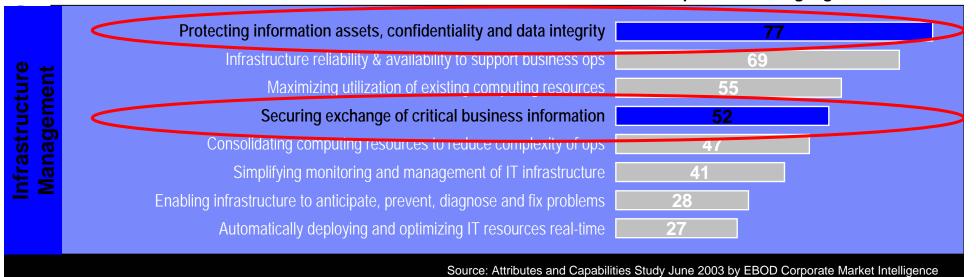


66% of surveyed companies made room in their 2003 IT budget to dedicate more financial resources to security programs and little else

META Group Inc

### Security is key for on demand

#### % of respondents rating high





## Why should you care about security?

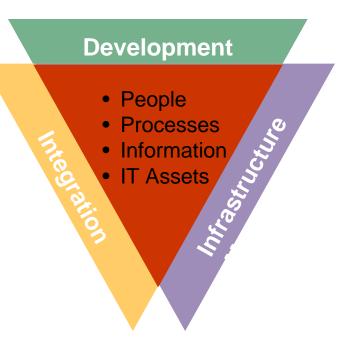
- Security and the journey to on demand
- What's on the client's mind
- What are the dynamics of the Security Market
- How does security help you improve sales against competition?





## Helping your client in the on demand journey

- An On Demand Business thinks of security differently:
  - Represents an investment rather than a cost
  - Employs an enterprise-level view of managing resources
  - Operates in a proactive, self-protecting fashion
  - Security is assessed and designed to address the greatest risks first
  - Aligns with business priorities to enable the right business systems to help securely engage in On Demand processes and procedures





The On Demand Operating Environment drives business value...



## Increase flexibility & responsiveness

- Integrate business processes
- Legacy transformation
- Information & application integration

## Create actionable insight from information

- Customer intimacy
- Product personalization
- Better, faster decisions
- Anytime / anywhere access

## Optimize IT infrastructure

- Change management
- Increased utilization
- Virtualize & Automate

## Enhance resilience and security

- Business Resilience & Risk management
- Security
- Governance & Compliance





## Security elements for the on demand business

# Business Controls, Risk Management & Security Governance

## **Security Management**

Identity & Access Control

Data Protection & Disclosure Control

Secure Transactions

**Secure Systems & Networks** 

"In security, the best defense is a good offense, and the more proactive you can be, the more secure you will be," Vic Wheatman, Gartner

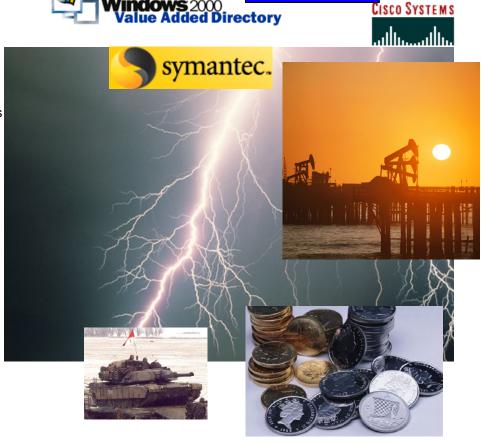
Source: Gartner, Inc., The Future of Enterprise Security September 2004





## What's on the client's mind?

- Security Needs of Yesterday's Data centric world have changed
- **Multiple Market Participants & Competitors** 
  - Direct Security Market vs. Embedded
  - End to End IT Security
  - Point Solutions require
    - Purchase, installation, maintenance management costs
- **New External Pressures** 
  - World Wide Political Events
  - Social and Business Constraints
  - **Regulatory Demands**
  - **External Attacks**
- **Business Model Accelerators** 
  - On Demand Business Model
  - Security in the context of Business
    - Policies, Processes, Business Case
    - Enterprise Integrity vs. Productivity



ON DEMAND BUSINESS"





## **Industry trends and insights**

#### **Financial**

Eight in ten banking institutions plan to invest in a security solution in 2005

- Enterprise security represents the second highest area for total spending by banks in 2005
- Financial services IT spending will address regulatory and compliance challenges, including risk management, advisor compliance, e-mail archiving and discovery, Basel II, and antimoney laundering regulations
- Banking industry plans on security spending for controls, such as risk management and security

#### Industrial

- Three in four automotive businesses plan to invest in a security solution in 2005
- Enterprise security is the third highest area for IT investment planned by automotive industry
- Over eight in ten electronics businesses plan to invest in a security solution in 2005
- Enterprise security is #2 in priority for IT investment by electronics industry
- Aerospace and defense manufacturers may turn to IT to support their compliance efforts, but that is not a high focus near term
- Hi-tech industry not yet increasing spending on IT for Sarbanes-Oxley compliance

Source: IGS AMS Security strategy 2004





## **Industry trends and insights**

#### Communications

- Security of all kinds remains very high for all telecom service providers
- Telecom providers continue to invest in managed network services, with adoption being driven at least in part by security concerns
- Telecom and utilities enterprises in NA and EMEA expect to spend about 7.5% of their IT budgets on security
- Wireless network security is becoming a top priority for communication carriers

#### **Public**

- Government will continue to increase spending due to Homeland Security concerns about border security systems and electronic authentication
- Government agencies spend more on security technologies as percent of overall IT spending than other types of organizations
- Three in four government agencies will invest in a security solution in 2005
- In Healthcare, HIPPA continues to drive interest in security of patient record information
- Education is concerned about security of wireless LAN systems for administration

#### Distribution

- Over three in four Retail businesses plan to invest in a security solution in 2005
- Enterprise security represents the second top solution in terms of spending plans by Retail
- In Wholesale solutions market, Security is one of two top spending areas for 2005
- Over three in four Wholesale businesses plan to invest in a Security solution in 2005

Source: IGS AMS Security strategy 2004





## How do you have the security discussion?

- Understand the Business Views
  - Impact of security on the business
  - Different buyers and players views
- Relate the 5 categories of risk to the customer need
  - Understand the drivers for a security purchase
- Demonstrate the value of security
  - Differentiate IBM systems with IBM Brand known for Security
  - Help the Customer understand the value they are getting
  - Sell the industry leading solutions IBM offers





## What's on the minds of world's leading CEOs



### **CxO** needs

- Revenue growth with cost containment
- Improving audit compliance: policies and regulation
- Flexibility to meet the competitive challenges



**IT Security & Operations Challenges** 

- Aligning IT security and business goals to grow revenue and contain costs
- Building responsiveness and agility into the security
- Improving service levels and mitigating threats





## 5 categories of risk "Management of Security comes down to risk management"

There are <u>five categories of security risks</u> to which customers are exposed:

- 1. Asset: Theft, destruction or corruption of business assets or denial of legitimate access to business assets
- 2. Identity: Impersonation of legitimate users
- 3. Infrastructure: Subversion of business systems and circumvention of protective measures
- 4. Custodial: Failure to protect third party (Supplier, BP, Customer) assets including personal information about individuals.
- 5. Compliance: Liability for failure to comply with laws and regulations requiring security and privacy protection.



# Make Security Relevant to your Business Problems Simplify the problem with Patterns

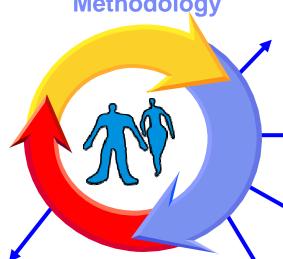
**Business Decision** 

Makers





**Business Assurance Methodology** 



#### **Business Security Patterns**

- Web presence
- ✓ Business Goal: Provide Internet-based access to a business' public information.
- Security Goal: Protection of the integrity and availability of disseminated information.
  - Business to Employee/Consumer (B2C)
  - ✓ Business Goal: Facilitate transaction between individuals and the business.
  - ✓ Security Goal: Efficient and secure individual transactional information exchange
  - Business to Business (B2B)
  - ✓ Business Goal: Facilitate speed of transactions between contractually trusted parties.
  - ✓ Security Goal: Inter-enterprise efficient and secure information exchange.

- High Assurance
- Business Goal: Protect the integrity of data and data sources at all cost.
- Security Goal: Assure the integrity and availability of critical systems and identities

http://www-3.ibm.com/security/patterns/wh\_papers.shtml

- Operational Security
- Business Goal: Ensure the internal mechanisms of a business (people, processes, resources) interact in a manner that limits liability and expedites production.
- Security Goal: Cost-effective resource utilization and protection of the brand

"The terms make sense. Anything I can bring up in my head, I can map to these five pretty quickly. It's got clout…"

- Chris Christiansen, Vice President, Security, IDC

## Recognizing the value that security brings...

## Security can help enterprises to:

- Protect entire IT environment from both known and unknown vulnerabilities including hackers, viruses and worms
- Lower security management and administration costs and gain a company-wide view of security risk
- Improve operational efficiencies
- Address a growing number of security regulatory mandates
- Reinforce business objectives through deployment of security policy
- Secure hardware and software on the PC "end-points" in your network infrastructure
- Extend security programs into wireless environment for comprehensive security & protection
- Respond to changing business needs with agility
- Protect your reputation and enhance trust in your brand



## Summary of Selling to the STG client

 Who wants to buy: Executives, IT management, system architects who need to build a secure infrastructure to keep their businesses up and running

#### Why do they need:

- securely pursue new opportunities
- respond with speed to unexpected changes or threats to the business.
- effect process improvement and business transformation through compliance

#### What can we sell:

- Hardware and software offerings that create a security-rich, agile business and IT environment
- Sustainable solutions that cover the breadth of IBM products and capabilities
- Assessments to formulate a comprehensive strategy and security plan, address risk and compliance issues and improve business process

#### Why are we different

- IBM's business and industry expertise
- relationships with leading application vendors
- an integrated portfolio of industry- leading service, software and hardware capabilities
- establish a proactive approach to security





## Improve sales against competition

- What is the market landscape?
- What does the competition look like?
- What are their strategies?
- The IBM strategy: The whole is greater than the sum of its parts



## Security Market Dynamics Landscape and Competition

#### Fragmented

- Many point product vendors (Hardware, Software, Networking, Service, Audit)
- Consolidation is decreasing number of vendors
- Point Solution Mentality
- Technology Led Solutions

### Large part of security solution is embedded

- Operating system features
- Networking features
- Expensive to Implement
- Multiple Security Solutions in an Enterprise
  - No Company Wide Policy
  - New security implementation for every process
  - Custom Application Development





# IBM has a unique advantage to address customer's security challenges

- Leadership in secure Platforms (servers & clients),
   Middleware, Management
- Breadth of offerings & superior integration
- End to end approach, from assessment to planning, design, architecture, implementation and managed services
- Global presence with local delivery using consistent proven methodology, intellectual capital and best practices
- Number, skills and expertise of our practitioners and Business Partners
- Alliances
- Market place leadership







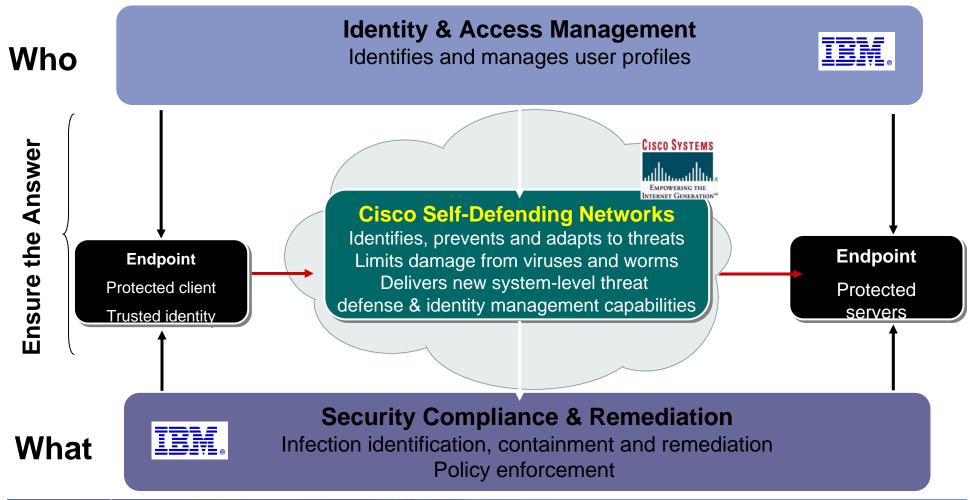
## Summary of key offerings

- Cross Brand Offerings
  - IBM Integrated Security Solution for Cisco Networks (Sentry)
  - Business Ready Data Center
- eServer
  - z, x, i, p
  - Total Storage
  - Open Power
- Linux
- Printing Systems
- Personal Systems
- Middleware
- Services
  - Life Cycle
  - Identity
  - Business Security Index



## IBM Security and Cisco

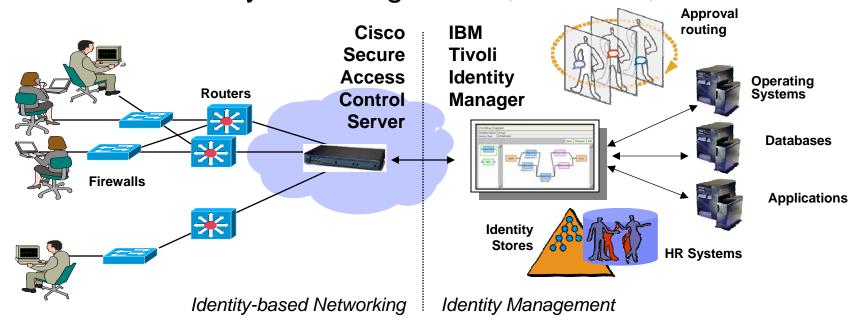
Comprehensive security spanning network, systems & application infrastructure





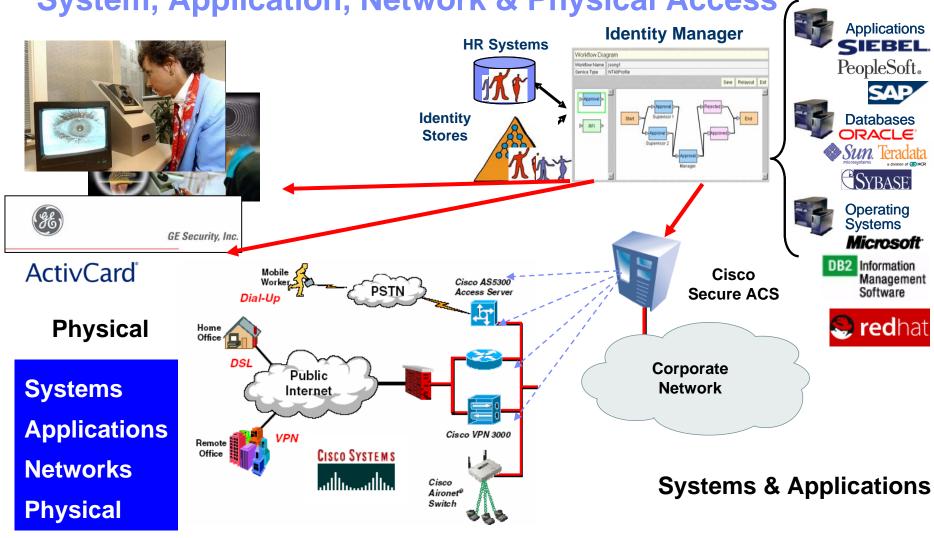
## **Identity-Based Networking**

- Too easy for an unsecured individual or host to gain access to the network
- Management of user identities to support full identity checking is a nightmare
- Provide Identity Checking at Port, Wireless, VPN





Unified User Provisioning
System, Application, Network & Physical Access



**Network** 



Problem: Enforcing network end-point security Solution: Automatically detect and remediate policy violations I. Set Policies **II. Define Process** IBM Tivoli Identity **III. Identify Workflows** Cisco Access Manager Control Server IBM Tivoli Security **IV. Share Data Endpoint** Compliance Manager V. Automate IBM Tivoli Security Client Tivoli software Compliance Manager **Security** IBM Tivoli Access **Compliance** Manager Tivoli, software IBM Tivoli **Production** Remediation **Provisioning Environment** Manager ThinkVantage<sup>™</sup> <mark>voli.</mark> software **Application Servers** ThinkVantage 1 4 1 Antidote Delivery Manager



## Tivoli Provisioning Manager – Automating Security

#### Automating security compliance remediation with best practice workflows.

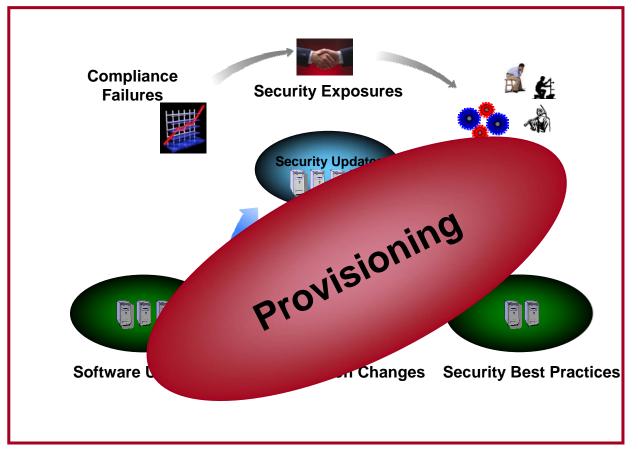
- Deploy security patch updates from code repository or automate patch management systems
- Reconfigure system application settings to protect the end system from security exposures
- Manage change to the environment (i.e. configurations, patches, etc.) to improve security reliability and resiliency

#### **WHAT**

- Complete Security Provisioning Solution
  - Software security patch updates to systems, applications, new security applications
  - Update Security configurations and services running. Disable non-secure services.
- Logical device model for improved usability and extensibility
  - Provides the ability to easily add new security changes

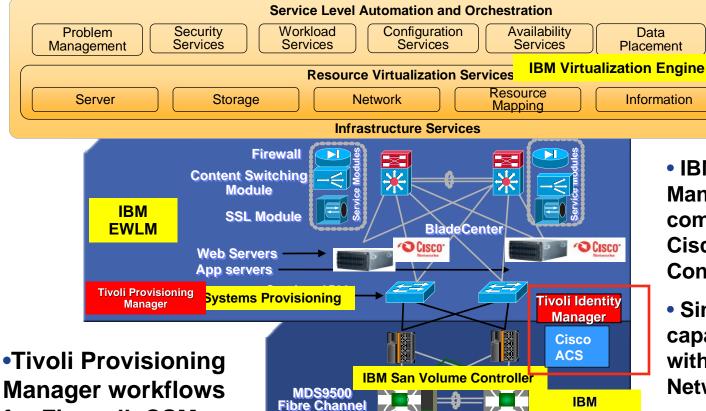
#### HOW

- Leverages Customizable Best Practice Workflows for task automation
  - Centralized library of reusable components for quick modification
  - Industrial strength workflow capability provides verification, auditability and rollback
  - Multiple workflow authoring tools (Text Editor, TPM, Eclipse)





### IBM & Cisco Business Ready Data Center Secure Computing Power for On Demand



Manager workflows for Firewall, CSM, SSL, IGESM, and MDS9000, Security Compliance Remediation

- **TotalStorage Directors Productivity** Center **Storage Network**
- IBM Tivoli Identity Manager communication with Cisco's Access **Control Server**
- Single Sign-on capability works with Cisco BRDC **Network**
- Benefits: Can help lower cost, and simplify security management environment for customers





## eServer Security Strategy

#### Enable and simplify secure distributed, heterogeneous transactions

- Make it easier to associate identity from one server or security registry to another.
- Create the Single-Sign-On environment our customers want.

#### Ease of Use

Provide capabilities for easier security configurations

#### Server Protection

- Change the operating system to understand when it is being attacked or changed without permission, and alert the enterprise.
- Multilevel Security (MLS technology)

#### Support security standards

- IPSec, x509V3 certificates, OpenSSL, LDAP, Java, TCG
- Provide hardware encryption support on all platforms
- Certifications where it makes sense
- Integration with IBM Middleware and Tivoli Security products.





# IBM eServer zSeries Integrating the business end-to-end

...leveraging your mainframe

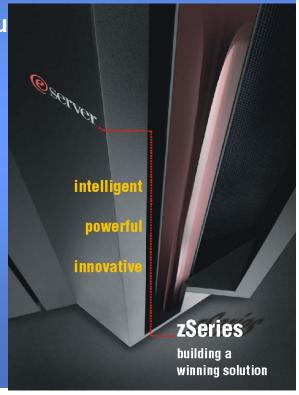
On Demand Business has made it necessary... zSeries is making it possible.

Building a vision for the heterogeneous IT environment that is designed for better alignment with business goals.

zSeries strengthens the global fabric with unique valu

#### Security Leadership ...

- Cryptographic hardware engines
- Multilevel Security
- Discretionary Access Control
- Resource Access Control Facility (RACF)
- Public Key Infrastructure (PKI)
- Kerberos
- Secure Sockets Layer (SSL)
- EAL5 secure system partitioning





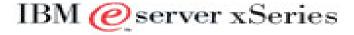


# xSeries Intel®processor-based servers

#### 64

REASONS TO THINK ABOUT IBM'S NEW INTEL PROCESSOR-BASED SERVERS





- Enhanced authentication with Trusted Platform Module (4-way xSeries systems)
- Secure remote administration
- Secure remote monitoring
- IBM Director
- Embedded server capabilities for Secure Data Protection
- Automated Storage Management: IBM Tivoli Storage Manager with xSeries

- Cisco Systems® Intelligent Gigabit Ethernet Switch Module
  - support of RADIUS, TACACS+, 802.1x and other authentication protocols
- Optional Nortel Gigabit Ethernet Switch Module GBESM layer 2-7 switch
- Security Solutions in a Box Architecture
- Strong partnerships with leading security ISV providers, such as Checkpoint, StoneSoft, Trend Micro and others
- Enterprise Network Perimeter Security Solution with Check Point, Symantec, Trend Micro, Aladdin, and enabled by Blade Fusion - Linux Enterprise Network Internal Security Solution





### IBM eServer iSeries

# Midrange Server Leadership Security Highlights

- i5 High Availability and Capacity Backup editions
- Enterprise Identity Mapping
- IBM Tivoli Security Management
- i5/OS security features
  - Secure Object Model
  - Virus resistance
  - Secure File System
- Cryptographic hardware
- LDAP security technology
- Integrated Security out of the box





# IBM eServer pSeries and AIX

#### AIX5L

- Intrusion Detection
- User authentication
- Access control
- Tivoli security-ready client/agent pre-installed on POWER5, POWER4+ and POWER4
- IBM Tivoli Security Management for AIX
- Kerberos authentication
- PKI certificate-based authentication
- LDAP authentication
- Pluggable authentication method (PAM) infrastructure
- Enterprise Identity Mapping
- EAL4 CAPP/EAL4 LSPP/EAL4







# Managing information across its life cycle. IBM TotalStorage Solutions for all your storage needs

- IBM TotalStorage Resiliency Family
- IBM TotalStorage Data Retention 450
- LUN Masking

- Automatic notification to unauthorized (SAN)
- Admin and remote control APIs via use/password access control
- IBM TotalStorage SAN File System



#### Linux at IBM

Business and Linux in an On Demand World



- Open user and password management
- Discretionary Access Control
- Lightweight Directory Access Protocol
- Public Key Infrastructure
- Mandatory access control





#### Security Certification\*

- ► Common Criteria
- ► EAL2 acheived\*
- ►CAPP/EAL3 acheived\*

#### Crypto\*

- ▶ OpenCryptoki\*
- ►HW crypto acceleration\*
- ► FIPS 140-2\*\*

#### Trusted Computing\*

►TCG's TPM/TSS Implementation\*

#### Networking Security\*\*

- ►Open SSL\*\*
- ► Open SSH
- ►IPSec\*\*

#### Base Security\*\*

- ►LSM\*\*
- ► Audit \*
- ►EIM\*
- ► Kerberos\*\*
- ►PKI\*\*

#### Applications Security\*\*

- ► Encrypted File System\*
- ►Identity management\*\*
- ► Firewall
- ► Antivirus
- ►IDS\*\*
- ► Security Scanners

#### •Mandatory Security\*\*

- ►SELinux\*\*
- ►MLS\*\*

#### Secure Configuration\*\*

- ► Bastille\*\*
- ► Security Planner\*

#### •Vulnerability reduction/reporting\*\*

- Secure Programming\*\*
- Verification Tools\*
  - ► Vali\*
  - ► Gokyo\*
  - ►UT tool\*\*

\* IBM Leading

\*\* IBM Participating





# Secure Printing Solutions



- Secure Output and Print architecture
- Secure Print
- Print Content Authentication and Verification
- Encryption/Decryption and Distributed Scan
- Automated Document Factory (ADF) solution
- Print Content Authentication and Verification



# IBM ThinkPad with Biometric Security

- Fingerprint Reader
  - replace typing in all your passwords.
- Password Manager
  - banks all your passwords.
- Security Chip
  - stores the passwords and encrypts
     VPN communication
- Cisco and Tivoli support
  - Integration with Enterprise management systems



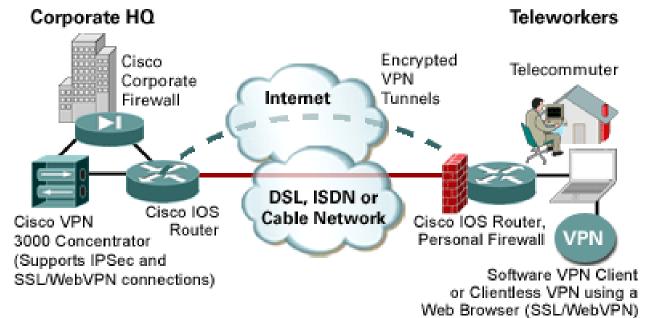
All these security features on the award-winning ThinkPad T42 notebook computer





## Desktop/Laptop security integration

# High-Speed Remote Access VPN Architecture Overview



#### **Cisco Security Agent**

- •Behavior-based intrusion prevention
- Protection from day zero viruses and worms
  - Signature-free, zero update architecture

# IBM Embedded Security Subsystem

- User Authentication
  - Stores user credentials
- Data Protection
  - •Allows file and data encryption

# **Trusted Platform Hardware Module**

- •TCG Compliant HW
- Root of Trust
- Holds Keys for Security

#### **Cisco VPN Client**

- Industry Leading VPN capability
- •Establishes connection for Communications
- Security Rooted on ESS / TPM





## IBM's Integrated Identity Management Solution

#### 7 Integrated Offerings from IBM

Federated Identity
Management



Users & Applications

Compliance Manager

Identity Applications

Identity Data
Infrastructure

Identity Manager

Access Manager

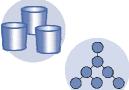
**Directory Server** 

**Directory Integrator** 

User & Resource Information







"IBM is becoming an Identity Management Powerhouse"

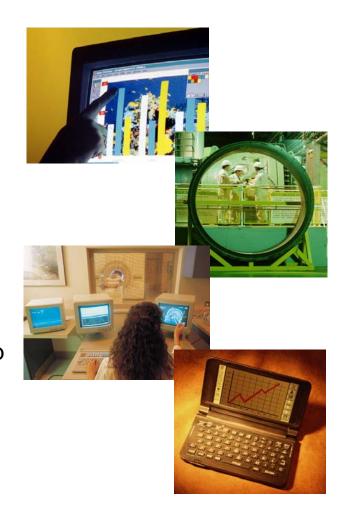
- Assessing IBM's Identity Management Strategy: Preparing for Web Services The Burton Group 4/18/03

Leveraging Knowledge of People and Processes to Create Business Value



# Security enabled middleware WebSphere Application Server V6

- Open, J2EE-Certiified, Pluggable Security
   Architecture for 3rd Party Vendor and Customer-Unique Interoperability
- Tighter integration with Tivoli offerings for Centralized Security Management among J2EE and Web Resources
- Web Services and Business Integration Leadership







# IGS Helps Clients To Build Enterprise Security Solutions To Protect Their Business



Security is a continuous process, which should be integrated into the enterprise system management





# Integrated Identity and Access Management Service offering:

Automate complex, administrator intensive identity management business processes

Help Mitigate the Risk of Invalid Accounts and Privileges	Workflow framework capabilities to assist in detection and self-configure invalid account and privilege status.
Help Enforce Authorization	Role-Based definitions help protect against invalid access requests
Help Facilitate Government Regulation Compliance	Help enforce security policy while delegating user/group account administration and delivering audit reports
Help Become Competitive	Help check that only the right people have access to the appropriate resources. Facilitates access for customers, Business Partners, and employees.

What should I do

Help Me Do IT

**Manage it For Me** 

Assess, Evaluate, Recommend

Design, Build, Implement, Deploy

Manage, Operate, Out task





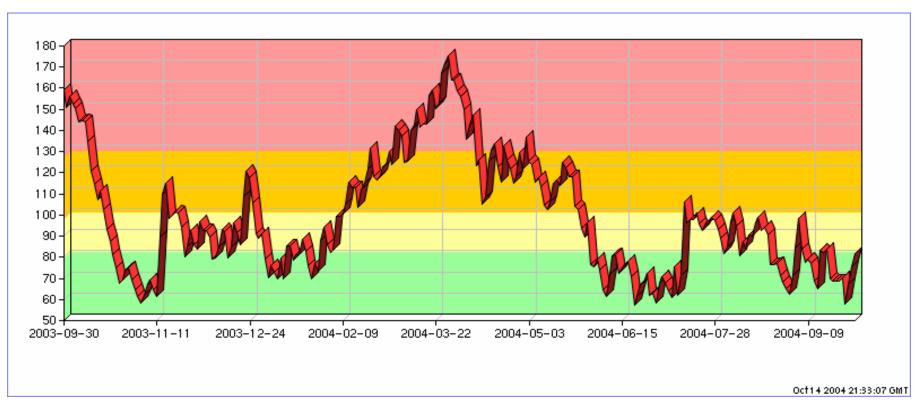
# The IBM Global Business Security Index

IBM Security Intelligence Services created the IBM Global Business Security Index -- a monthly report that assesses, measures and analyzes network security threats and the broader business security landscape. The index is based on data culled from IBM's monitoring of large and small customer networks in multiple locations worldwide, as well as input from our security professionals working on consulting engagements.



# Global Business Security Index

#### Quantifying the IT threat landscape for business leaders

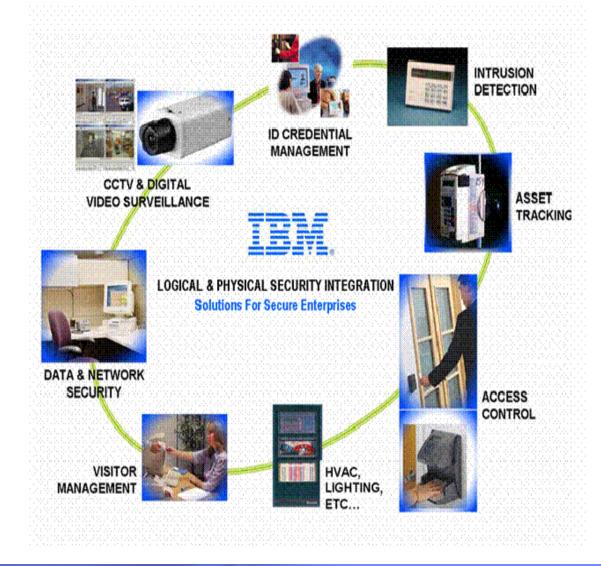


Source: IBM Global Security Index Team





# ...and security doesn't stop at the IT boundary!





# IBM: Engineering Security into everything we do . . .

#### 5 Research Labs WW w/ Security Teams

- •Industry Leadership in:
  - Cryptography
  - Coding tools & standards
  - Security Foundation
  - Privacy
  - Identity
  - Embedded Hardware



#### **Integration of Products for Security**

- •End to End Integration of Key Components
  - Hardware Systems
  - Operating System
  - Software Development Tools
  - Middleware



# Security Engineering "more than just coding standards"

- Training for Development / Delivery Team
- •Tools for Secure Systems
- Security Changes to Process

#### **Business Security Pattern Verification**

Testing our Products for Security & Privacy

Ethical Hacking testing a part of procedures

Validation of End2End scenarios & patterns

Company wide monitoring of all Security advisories, bulletin boards and memos



# Thank you!



Experience, global reach, open and integrated

Use IBM's Breadth and Depth in Security to your Advantage!





## What next?

- Where to go for more info
- STG Security Campaign
- Demo and Virtual City





# Where to go for more information

- IBM eServer: <u>ibm.com/servers/eserver/security</u>
- xSeries: ibm.com/servers/eserver/xseries/
- iSeries: ibm.com/servers/eserver/iseries/
- pSeries: ibm.com/servers/eserver/pseries/security/
- zSeries: ibm.com/servers/eserver/zseries/security/
- BladeCenter: <u>ibm.com/servers/eserver/bladecenter</u>
- IBM TotalStorage: <a href="mailto:ibm.com/servers/storage/index.html">ibm.com/servers/storage/index.html</a>
- IBM OpenPower: ibm.com/servers/eserver/openpower
- Linux:

<u>ibm.com/businesscenter/smb/us/en/contenttemplate/gcl\_xmlid/4162/nav\_id/allwhitepa</u>pers

- IBM Software Group: <a href="mailto:ibm.com/software/tivoli/solutions/security/">ibm.com/software/tivoli/solutions/security/</a>
- IBM ThinkPad: www.pc.ibm.com/us/thinkpad/tseries/index.html#mostsecure
- Printing Systems: www.printers.ibm.com/internet/wwsites.nsf/vwwebpublished/main\_ww



# STG Security Campaign



# Demo & Virtual City

#### Flash Demo file that shows

- Identity Management of Users in the Network
- Compliance and Remediation Scenario

## Virtual City

- Explains overall Picture
- Shows a bank usage of
  - Identity Solutions
  - Compliance and Remediation
- Runs about 15 minutes

# www.ibm.com/security/cisco



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