



# Trust Authority ISV Webcast



## **Building Trust Into e-Business**

**Roger Rea**

**SecureWay PKI Product  
Manager**

**[rrea@us.ibm.com](mailto:rrea@us.ibm.com)**

**November 17, 1999**





e-business

# IBM Vault Registry IBM Trust Authority

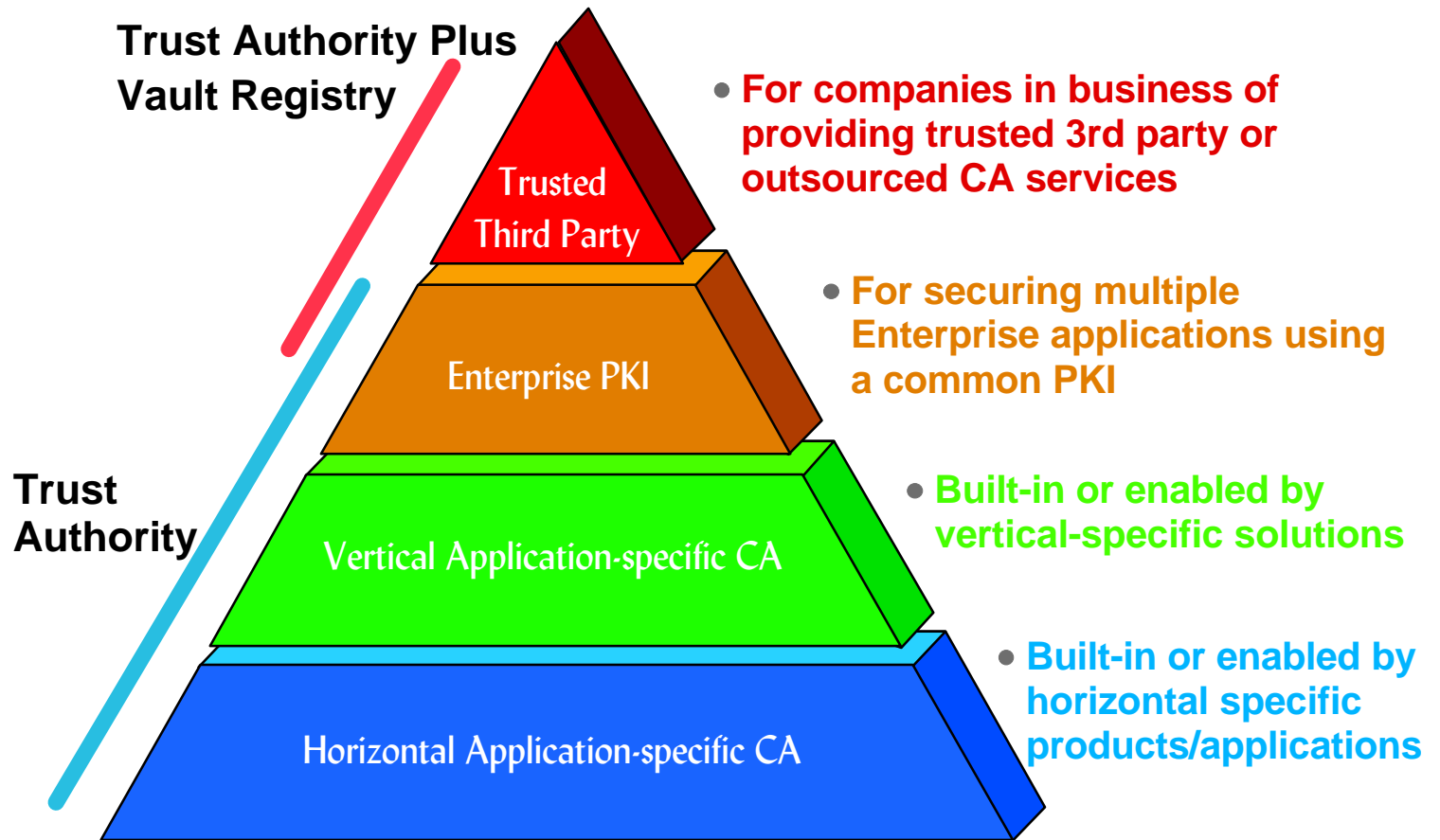
Integrated registration and certification solutions for enabling trusted e-Business applications, leveraging over 30 years of industry-leading research and technology in providing security for digital assets





e-business

# PKI Market Profiles

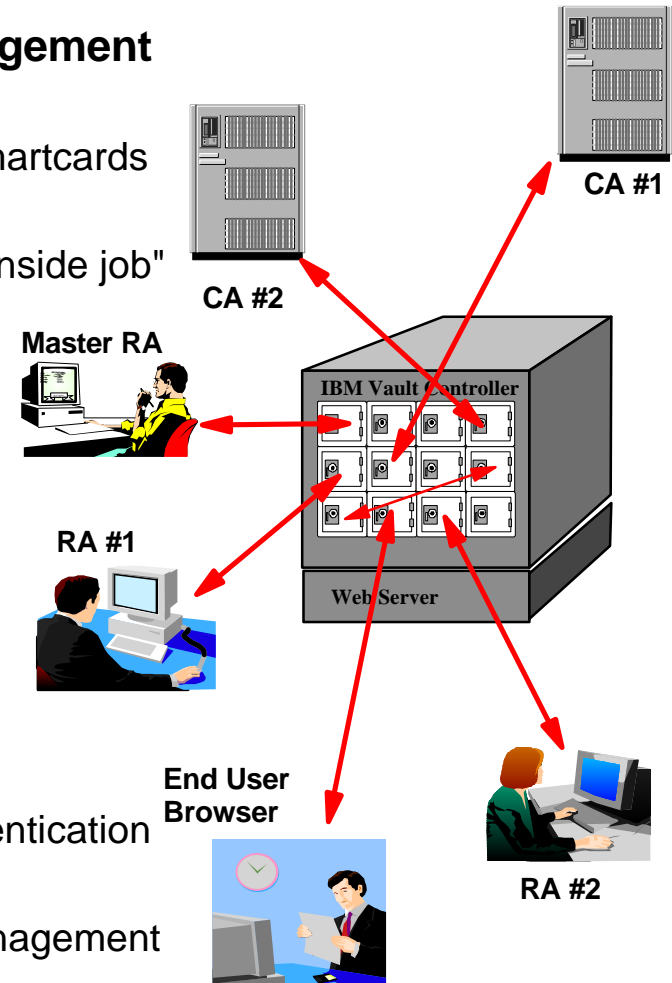




e-business

# IBM Vault Registry: Key Features

- **Integrated registration & certificate management**
- **Broad application support**
  - Secure E-mail, Web (SSL), VPNs, Smartcards
- **Innovative "Vault" software**
  - For data & appl protection including "inside job"
  - First application - Registration
- **Certificates Worthy of Trust**
  - Registration data privacy
  - Signed audit logs
  - Crypto HW
- **Flexible, easy-to-use registration**
  - Web (browser) based registration
  - Customizable policy exists
  - Multiple RA to CA domains
  - Master RAs to administer RAs
  - Access to remote databases for authentication
- **Robust management and serviceability**
  - Consolidated systems/operations management
  - Systems management alerts
  - Transaction integrity
  - Online backup and recovery

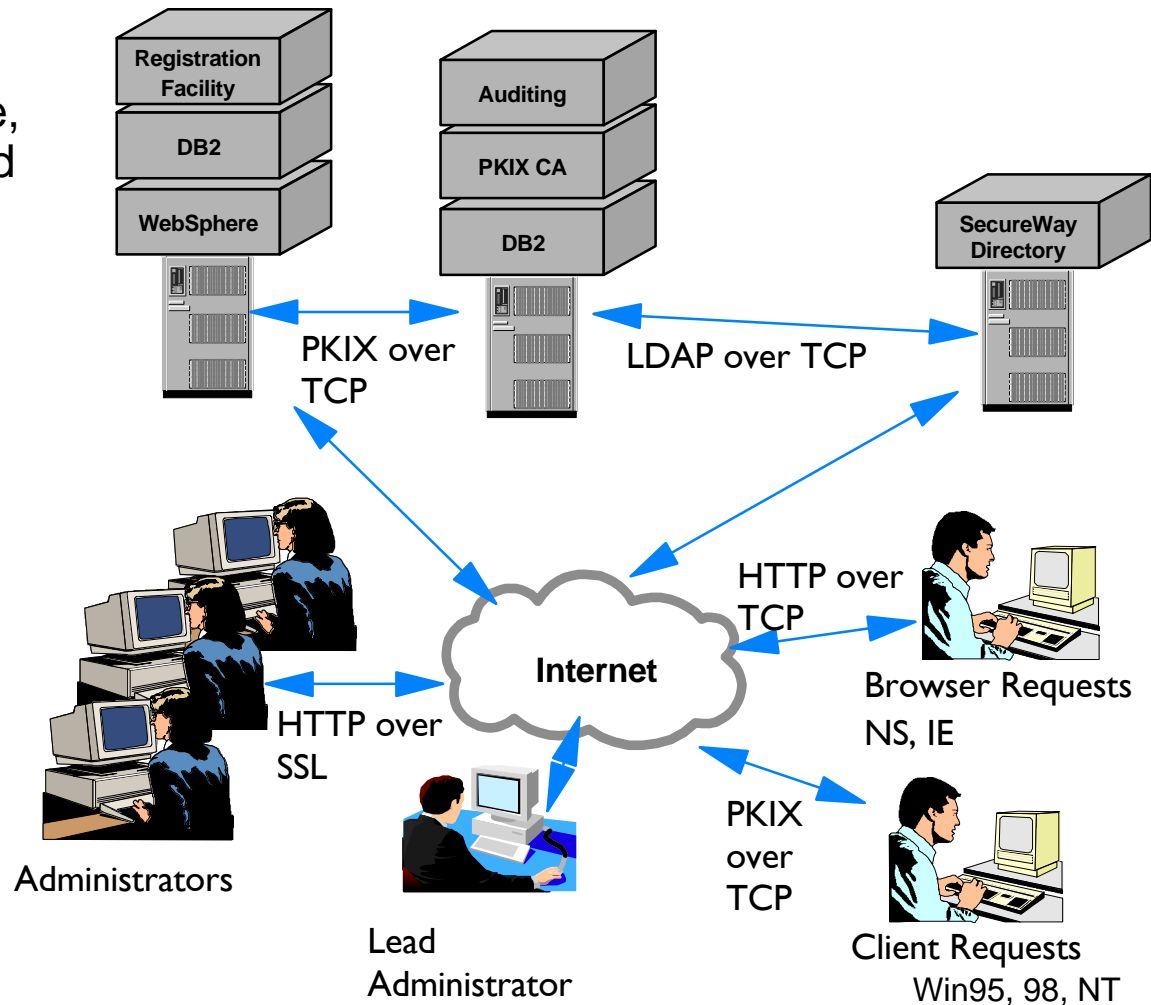




e-business

# IBM SecureWay Trust Authority V3.1

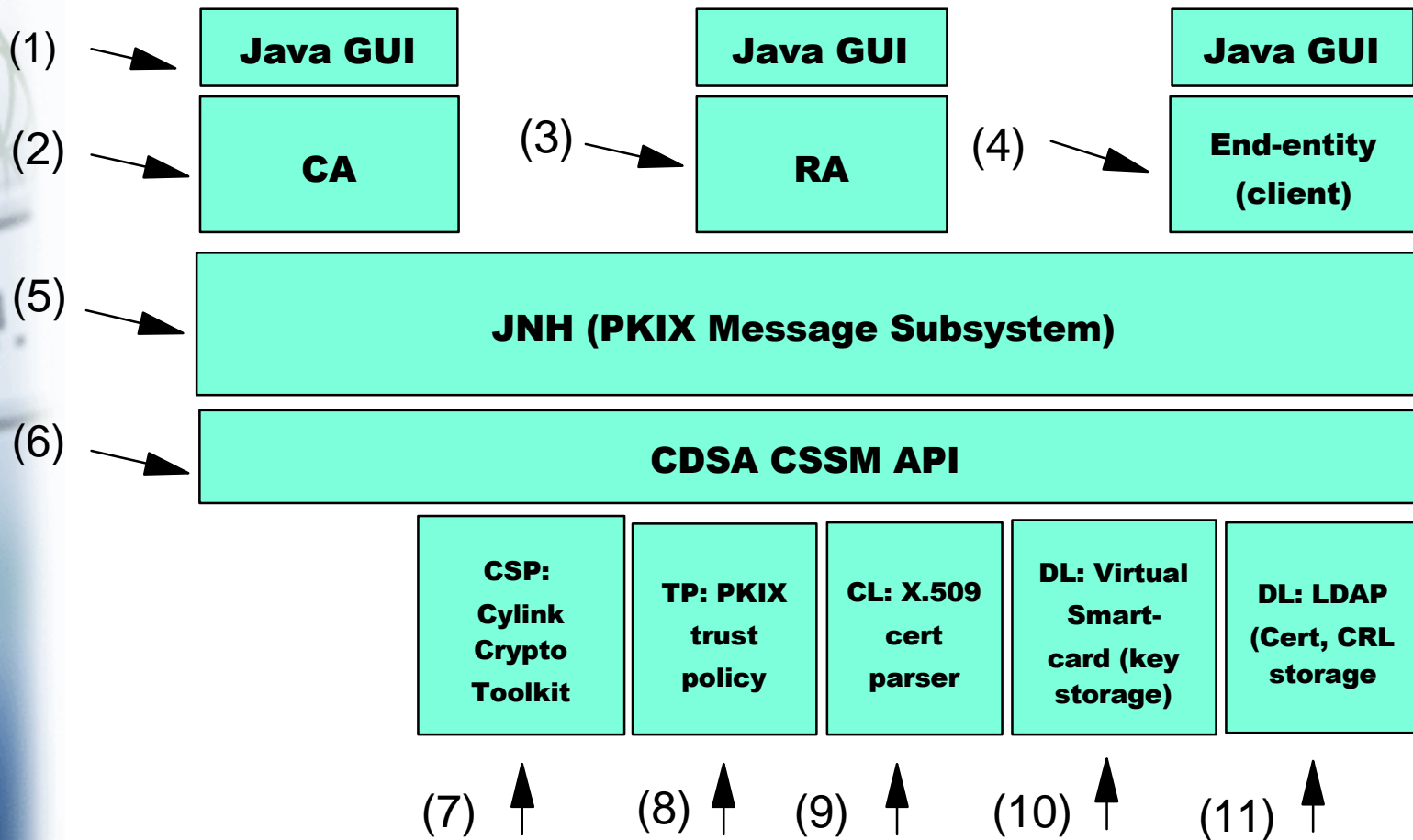
- Integrated PKI
- DB2, WebSphere, Directory included
- CA Hierarchies and Cross-cert
- PKIX, CDSA
- Policy Exits for Registration
- One registration domain per CA
- User Defined Extensions
- Audit records in X9.57 format
- NT, AIX Servers
- Win32 Clients
- 10 Languages





e-business

# Jonah Reference Implementation Architecture



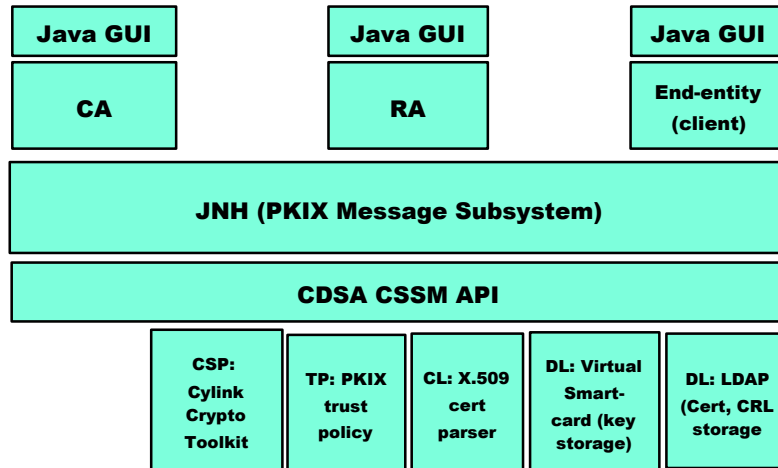
Available from: <http://www.mit.edu/pfl>





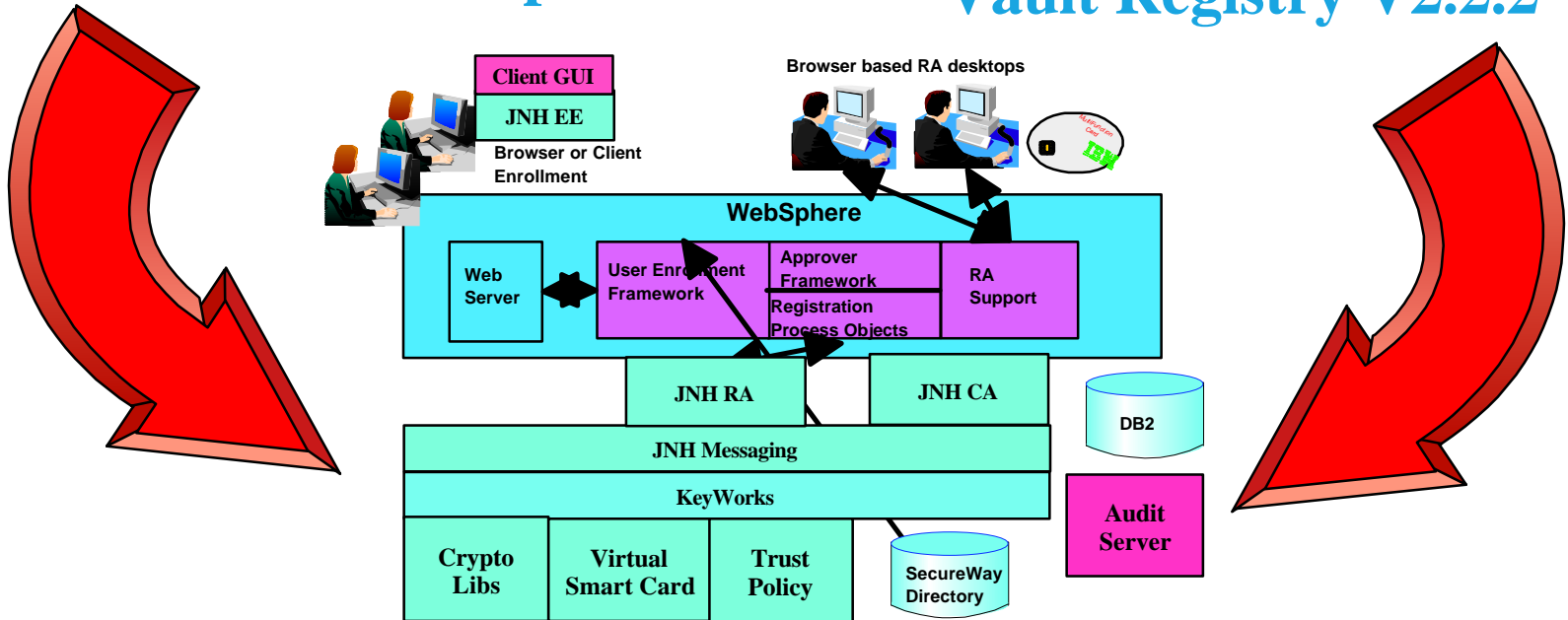
e-business

# The Making of Trust Authority V3.1



## Jonah Reference Implementation

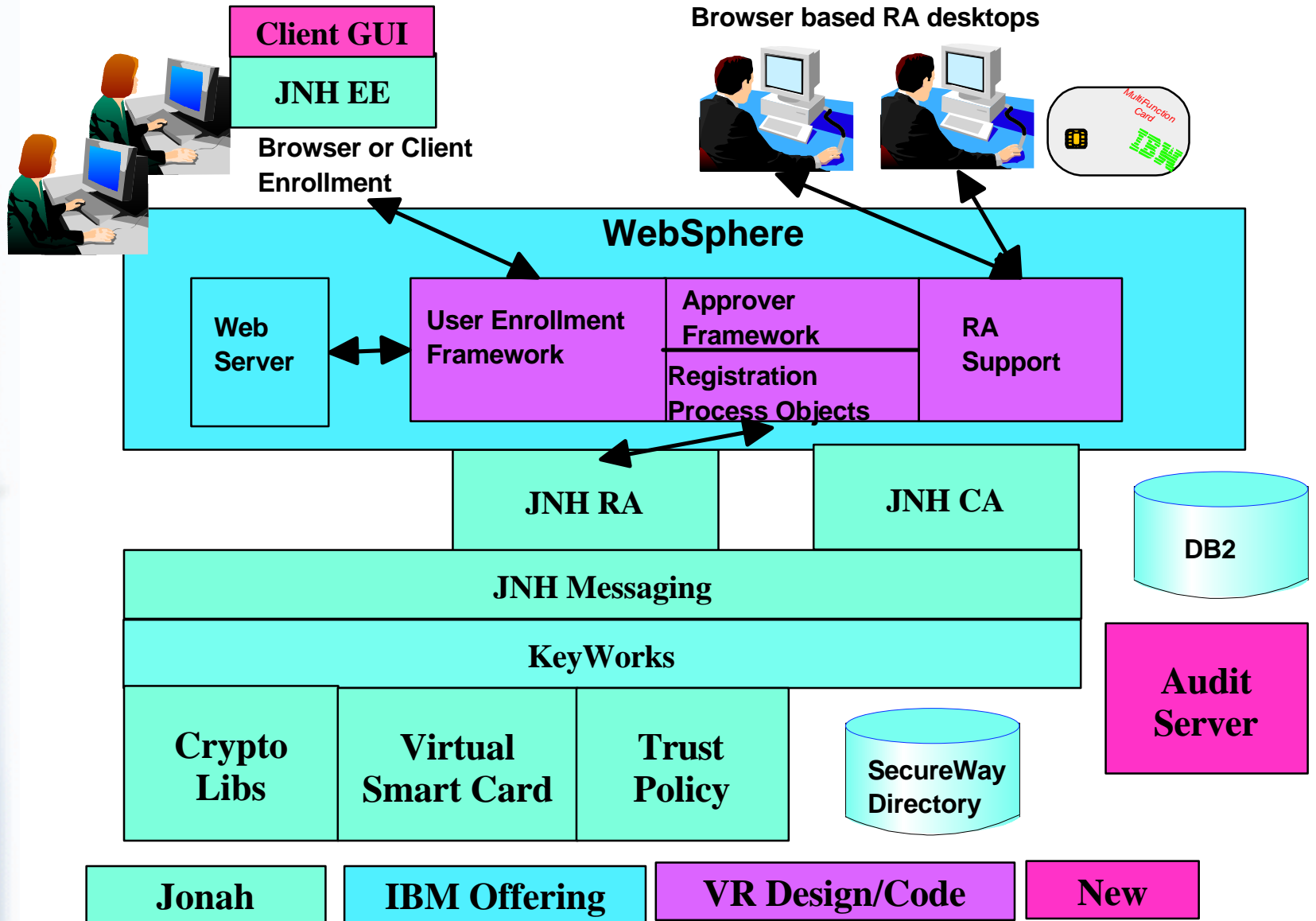
## Vault Registry V2.2.2





e-business

# Trust Authority Functional Diagram







e-business

## Trust Authority/Trust Authority Plus Differences

### Statement of Direction

- ◆ **Trust Authority Plus functions not in Trust Authority**
  - ▶ **Enhanced Registration**
    - ★ multiple RA domains
    - ★ More Customizable Registration Process
  - ▶ **Enhanced Security**
    - ★ Secure generation and access for ACL entries
    - ★ Authenticated CA admin communication
    - ★ ACL for admin requests
    - ★ Signed code and config files
  - ▶ **Enhanced Reliability, Availability, Serviceability**
    - ★ SNMP
    - ★ monitor (high availability) with attempted restart
    - ★ ability to start/stop components programmatically
    - ★ Reconciliation of system repositories after system failure
    - ★ Multiple CA's per RA domain



e-business

# Areas for Integration

## ◆ Use of certificates

- ▶ Browser, Server, S/MIME, VPN certificates
- ▶ User Defined Certificates
- ▶ Attribute Certificates

## ◆ Automatic Registration

- ▶ PKIX CMP protocols
- ▶ PKCS 10/7 protocols
- ▶ Cisco CEP (planned)

## ◆ Trust Authority Client

- ▶ Virtual Smart Card
- ▶ PKCS 11 and MS CAPI interfaces (planned)

## ◆ OEM Opportunities

- ▶ Client
- ▶ Registration Facility
- ▶ Certificate Authority





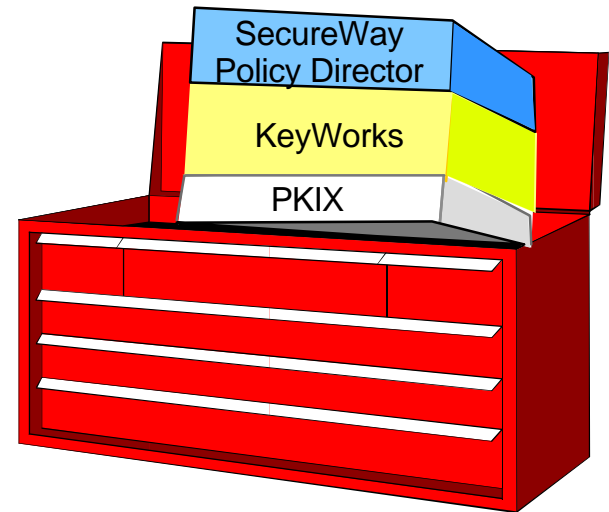
e-business

## PKI Portfolio: SecureWay Security ToolBox

Security  
ToolBox

Develop

- Goal— provide customers and other security vendors with tools to tie into the FirstSecure solution
- Release 1— KeyWorks (CDSA) and IBM Key Recovery Service Provider Toolkits
- Release 2:
  - PKIX API's
  - CDSA (Keyworks)
  - Key Recovery Server
  - Policy Director (AuthZ) API's
  - SSL, LDAP
  - Samples/examples



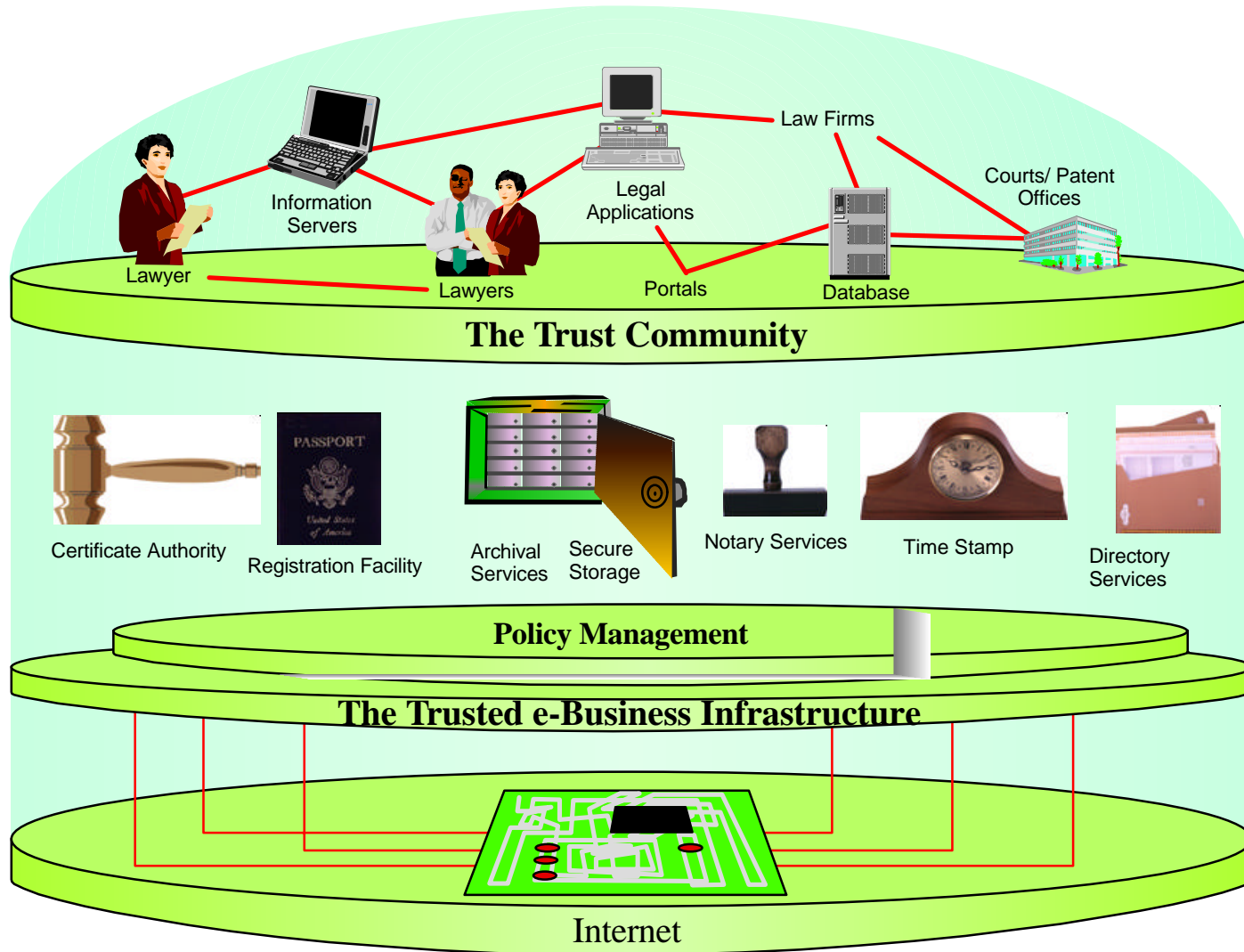
IBM



e-business

# The Foundation for Trusted Communities

## Statement of Direction



- Build trusted e-Business communities on the Trust Infrastructure





e-business

---

# IBM SecureWay

*For more information,  
please visit our website at*

[www.ibm.com/software/security/trust/](http://www.ibm.com/software/security/trust/)

*or send us e-mail:*

[secureway@us.ibm.com](mailto:secureway@us.ibm.com)





e-business

# PartnerWorld for Developers

**Frances Wells,  
SecureWay, Brand Programs  
Manager**





e-business

---

# PartnerWorld for Developers

## Agenda

- IBM PartnerWorld Overview
- PartnerWorld For Developers Track
  - ▶ Benefits To You
  - ▶ Membership





e-business

# We Are Listening to You....**Business** Partner Input

Support Program that Brings **Value** and is:

- ▶ Consistent
- ▶ Consolidated
- ▶ Easy
- ▶ Affordable



Access to other  
Channels /  
Partners

Sales  
Leads

Sales &  
Marketing  
Information

Technology  
& Solutions  
Leadership

Education/Skills  
Development

Direct  
Marketing

Personalization

Technical  
Support

Marketplace  
Recognition

Relationship Coverage

Sales &  
Influence  
Incentives

Deliverables

Financing





e-business

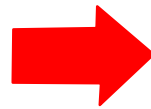


# PartnerWorld Design & Integration (2 - 3 Years)

## Today

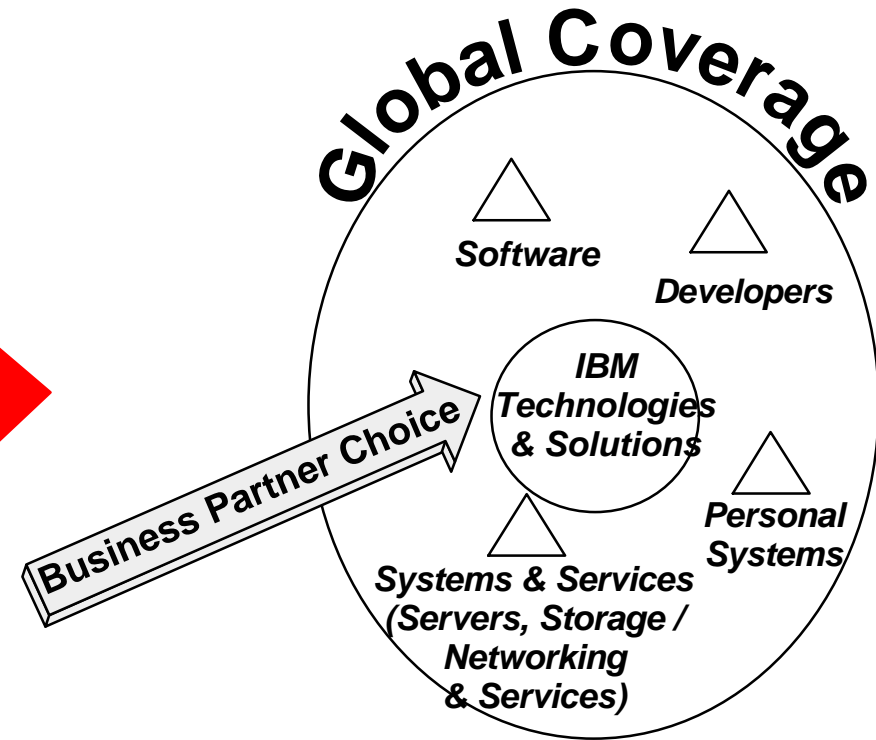
50+ Programs / 120+ Web Sites

- Strategic & Marketing Alliances (Custom)
- 3 Software Programs
- 1 Developer Program + Partners In Development Programs (PIDs)
- 15+ Server & Specialty Hardware Programs
- 4 PSG Programs
- IGS Program



## Tomorrow

IBM PartnerWorld with 4 Key Tracks



**Market Drivers: Solutions / Simplification**

- Common Look, Levels, Terminology
- Common Foundation Infrastructure
- Key Shared Benefits



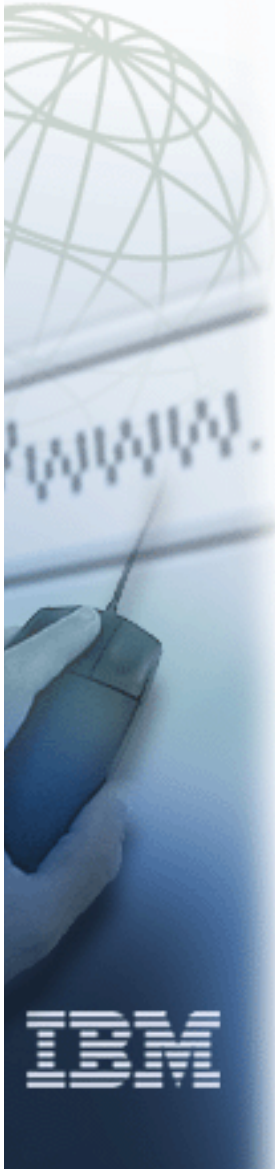
e-business

---

# PartnerWorld for Developers

(Formerly IBM Solution Developer Program)

- ◆ **Global Program**
- ◆ **WWW.DEVELOPER.IBM.COM**
- ◆ **Common PartnerWorld Business Partner Levels**
  - ▶ (Member, Advanced, Premier)
- ◆ **More Developer Investments Yields More Benefits**
  - ▶ Give To Get!
- ◆ **Focus on IBM e-business Strategy**





e-business

---

# Join PartnerWorld for Developers

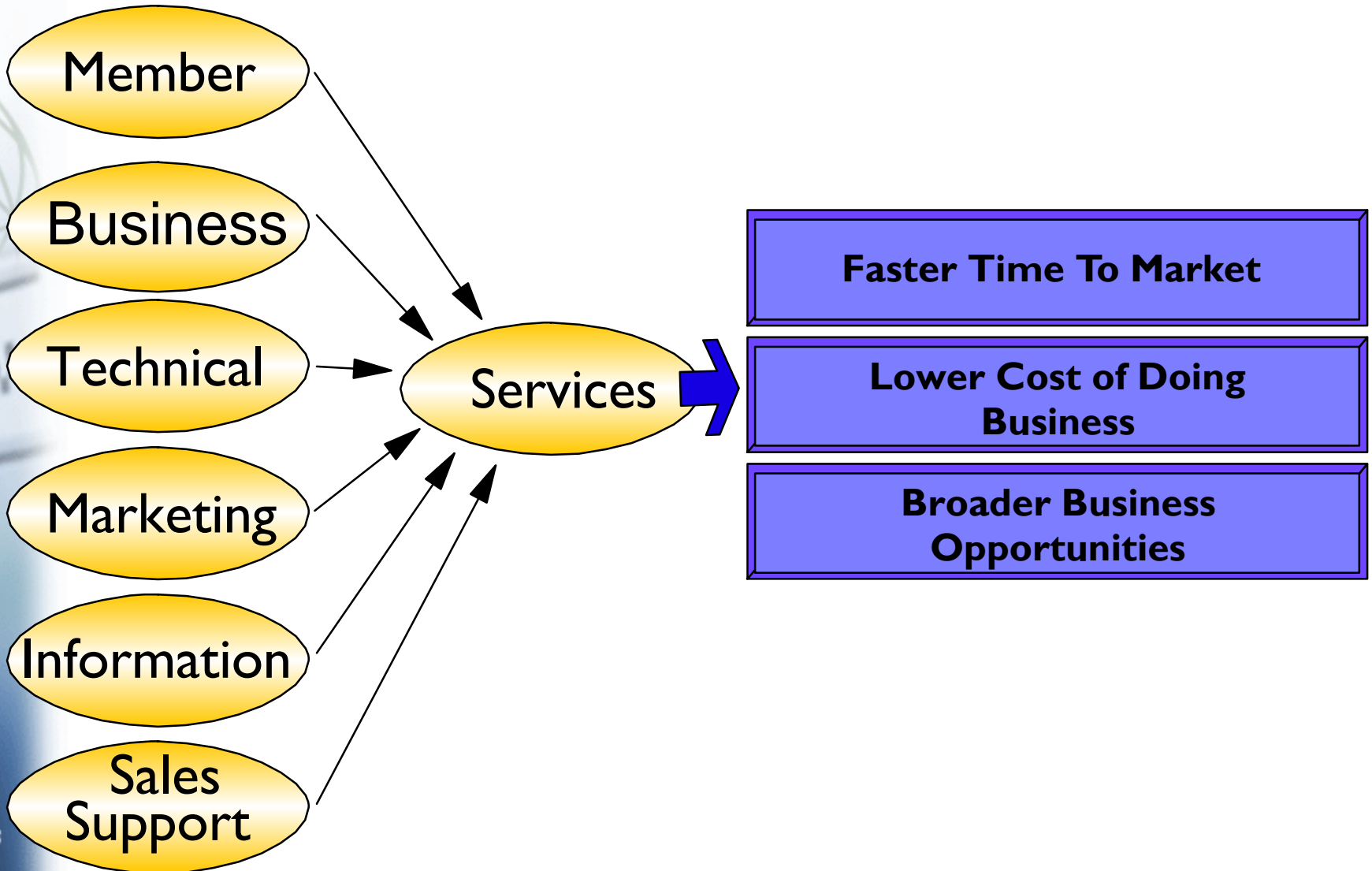
- ◆ **Membership**
  - ▶ **Criteria**
  - ▶ **Free !!!**
  
- ◆ **Easy Enrollment**
  - ▶ **WWW.DEVELOPER.IBM.COM**
  - ▶ **Support Hotline**
    - ★ **1-800-627-8363 (US and Canada)**
    - ★ **1-770-835-9902 (Worldwide)**





e-business

# Fulfilling the Promise





e-business

## Areas of Integration

- Use of certificates
  - ▶ Browser, Server, S/MIME, VPN certificates
  - ▶ User Defined Certificates
  - ▶ Attribute Certificates
- Automatic Registration
  - ▶ PKIX CMP protocols
  - ▶ PKCS 10/7 protocols
- Trust Authority Client
  - ▶ Virtual Smart Card
- OEM Opportunities
  - ▶ Client
  - ▶ Registration Facility
  - ▶ Certificate Authority



e-business

## Next Steps

- Join PartnerWorld for Developers
  - ▶ <http://www.developer.ibm.com>
  - ▶ SecureWay Specialty
  - ▶ PKI
- Education listed at PartnerWorld web site, 1/2000
- Download certificate
  - ▶ <http://demota.dfw.ibm.com>
- e-mail to [jollendo@us.ibm.com](mailto:jollendo@us.ibm.com)

The IBM logo, consisting of the letters 'IBM' in a bold, sans-serif font, is positioned at the bottom left of the slide. The background of the slide features a vertical strip on the left with a wireframe globe, a computer mouse, and a document with a URL, all in a light blue and white color scheme.

IBM



e-business

## Joint Marketing

- 8 pedestals in IBM booth at RSA 2000
  - ▶ first 8
  - ▶ prior to 12/15
- Web page with ISV solutions
  - ▶ company name
  - ▶ product name
  - ▶ product description and how it works with IBM PKI
  - ▶ logo and permission to post
  - ▶ web site

