



***Welcome***

***Software Developers  
Conference***

***Steve Hawald***

***SFA CIO***



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## *Vision In Play*

- N-Tier Technology
- Portals
- XML/LDAP Compliant Products
- IBM MQ Series “Middleware”
- EAI Standards
- New BluePrint




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## *Vision "To Be"*

- Digital Certificates
- Published API's
- Shared Components
- Electronic ID Enterprise Framework
- Systems :
  - Tombstones  - DLOS, PELL, FFEL, TivWan
  - Modified - CBS, NSLDS, DLSS
  - New - FMS, COD, & DATA WAREHOUSING



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# *Integrated Technical Architecture*

## **Objective:**

**Design, build and integrate the technical services, infrastructure, and components required to enable the delivery of three enterprise technical architecture functions:**

- **Internet/Portals**
- **Enterprise Application Integration (EAI)**
- **Data Warehouse**



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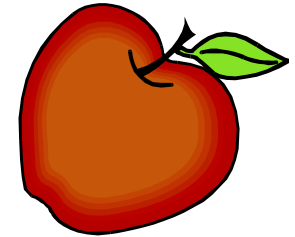


# CIO Score Card - Year One

## Management

- New Management Team
- Training
- IT Policy Guide
- Modernization Blueprint

# B



## Operations

- N-Tier Web Application
- Coupled VDC Migration
- Designed Data Warehouse
- SLA's in Place
- Migrating to Seat Management
- OPS Readiness Review/ CM
- Designed Portal Applications
- Internet/VPN

## Technologies

- Rational Rose Tools
- IBM MQ series - EAI/ Middleware
- LDAP Compliance / BI Tools
- RSA COTS tools
- XML Compliance & Applications
- Informatica - ETL tools
- Digital Signatures - 509V3 STD
- Application Program Interfaces





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# ***Making the Grade***

## **Examples of what we're working on for 2001**

- Students and Financial Partners Portals
- Electronic Identification Pilots
- Application Program Interface Standards
- SFA ExtraNet
- Continued Dialogue with the Community

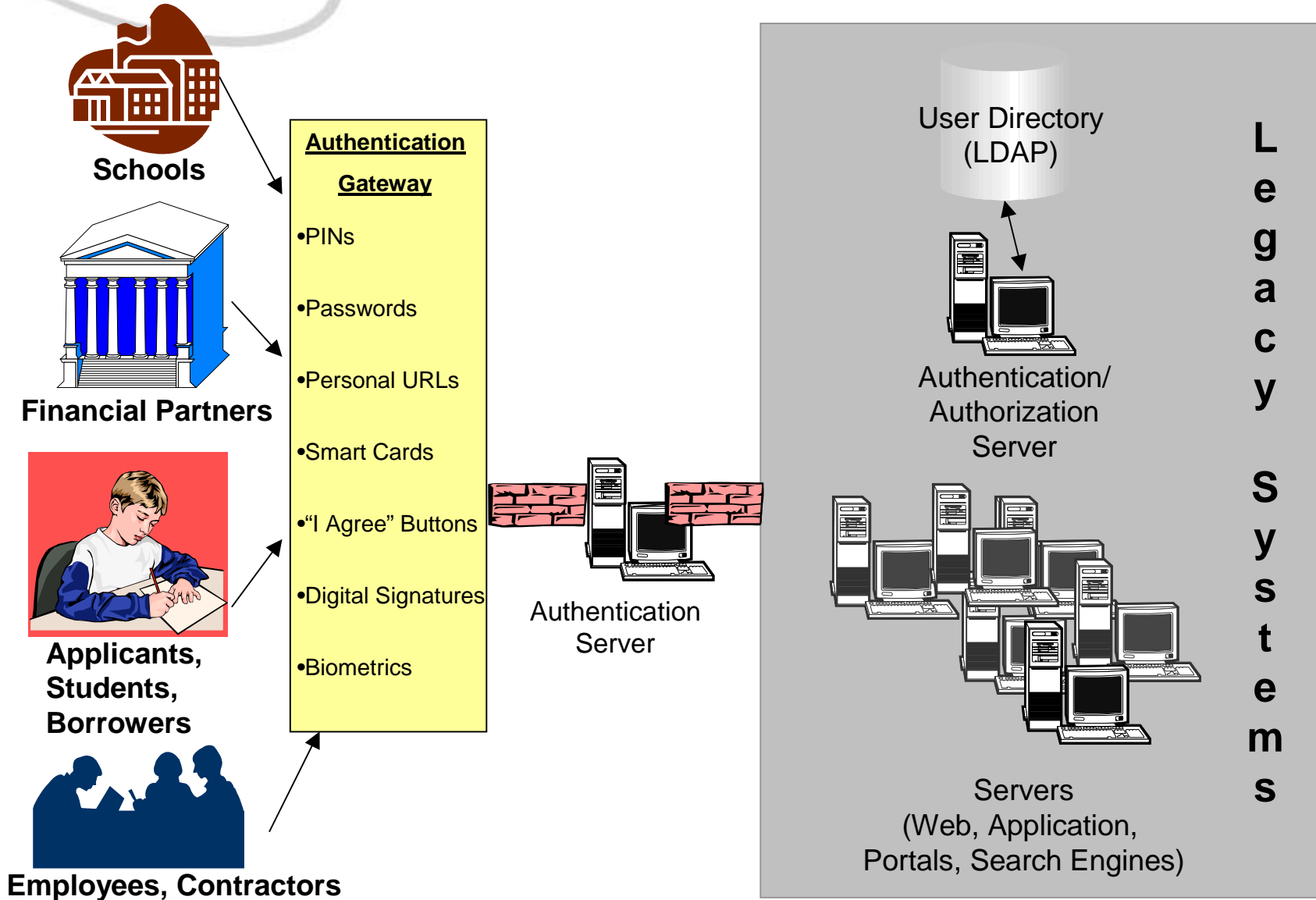


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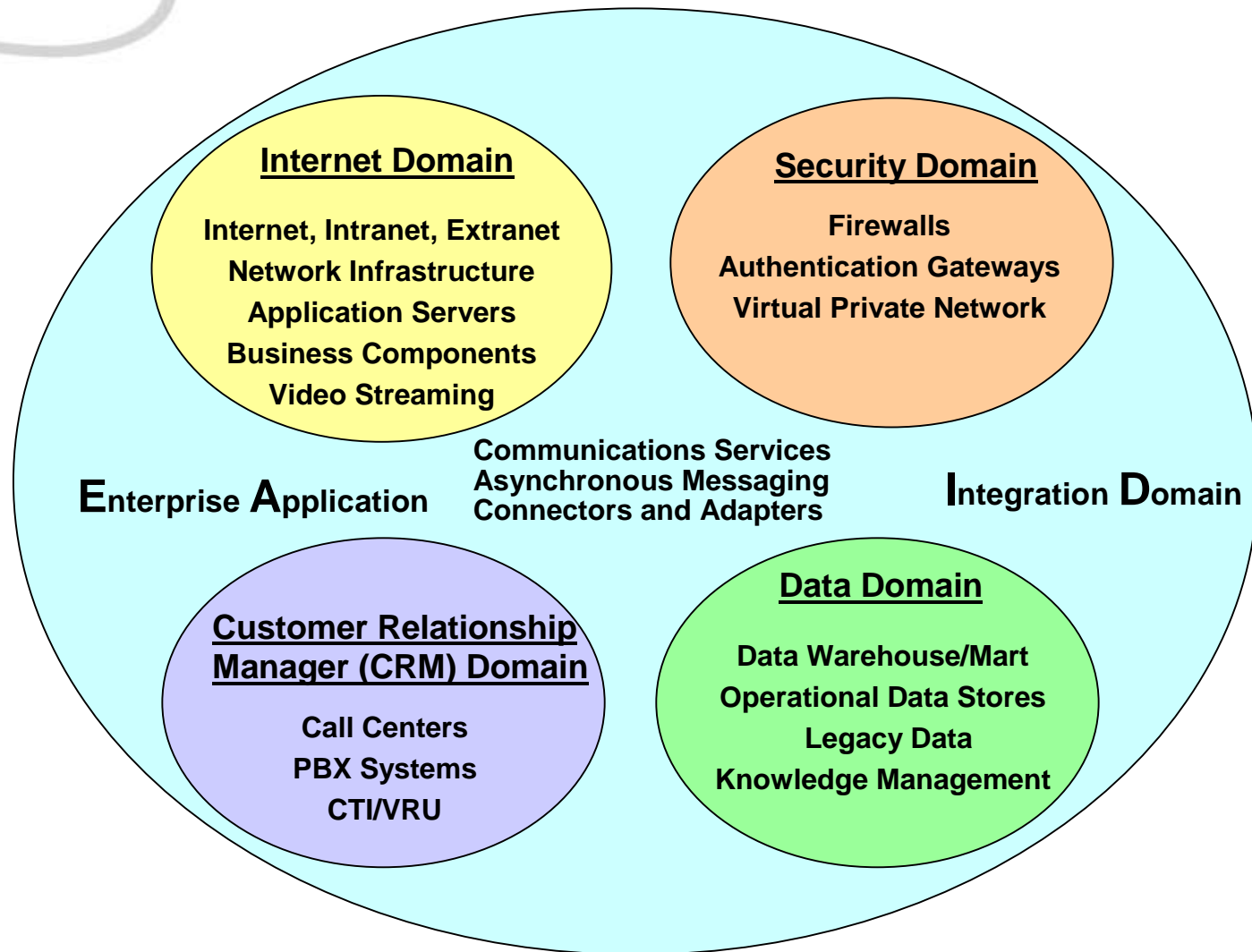


# Electronic ID Technology Vision





# SFA Technical Architecture







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## ***Minimum Recommended Configuration Standards***

### **Equipment:**

- IBM or fully IBM-compatible PC
- Pentium 800 MHz processor
- 128 MB RAM
- 20 GB hard drive
- 56K modem (meets/upgrades to V.90 standard)
- 24x CD-ROM drive with soundboard
- Monitor and video card capable of SVGA resolution 800x600

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## ***Minimum Recommended Configuration Standards***

### **Software:**

- 32-bit operating system (Microsoft Windows 98, Windows NT 4.0, or Windows 2000)
- Internet Service Provider (support 56k modem)
- Internet Explorer v4.01 service pack 2 or Netscape Navigator v4.73

### **Phone Line:**

- Dedicated Phone Line



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## ***The Vision for the Future Student Financial Assistance***

### **Schools:**

- **Web portal for schools, version 2.0**
- **Web Standards: same look/feel in all SFA products**
- **Electronic identification with PINs and digital certificates**
- **Application Program Interface (API) standards**
- **Shorter reaction times for new opportunities/products**



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## ***The Vision for the Future Student Financial Assistance***

### **Workplace:**

- **Single universal e-mail address**
- **Voice recognition**
- **Smart cards everywhere**
- **Wireless buildings for computing**
- **24/7 computing environment**



# *The Vision for the Future Student Financial Assistance*

## Computing:

- Unlimited bandwidth
- VOIP market leader
- XML/LDAP compliant applications everywhere
- Desktop PC goes on death watch -- late 2003
- Handhelds merge with notebooks -- 2004
- Notebooks go on death watch -- 2005



# *Web Portals*

## Additional Portal Implementation Efforts:

- Schools Portal: 11/2000
- Students Portal: Fall 2001
- Financial Partners Portal: Winter 2001



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**Thank You**

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**For Improved Student  
Financial Assistance**

