



SETECS, Inc.

Next Generation Security Software for

- Identity and Access Management***
- Enterprise Group (Collaborative) Applications***

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"... a comprehensive set of solutions used to **identify users** in a system (employees, customers, contractors, etc.) and **control their access** to resources within that system by associating **user rights and restrictions** with the **established identity**. Web **SSO**, host SSO, **user provisioning**, advanced **authentication**, legacy **authorization**, **public key infrastructure** (PKI), and **directory services** are all critical components of identity and access management." [*"Worldwide Security Software 2004-2008 Forecast and 2003 Vendor Shares", IDC, December 2004*]

- **Need for more *comprehensive and integrated* identity and access management solutions to:**

- Reduce costs, and
- Increase security and productivity within and across enterprises

[*"Worldwide Security Software 2004-2008 Forecast and 2003 Vendor Shares", IDC, December 2004*]

- **The three most important security challenges facing corporations in 2005 are the need to:**

- Beef up threat management capabilities
- Improve on identity management processes, and
- Tie IT and physical security capabilities together for greater authentication and access control

[*"Three Security Imperatives For 2005", Bloor Research, February 2005*]

- **Large and growing market**
 - NIST driving common identification standard for Federal employees & contractors based on smart card (FIPS 201)
 - \$446M in 2003, will reach \$1.35B in 2007 *[Datamonitor, Apr 2004]*
 - Following recent HSPD-12, multi billion dollar market
 - 40M+ cards to be purchased by NASA, DOD, DHS, DI, VA via new GSA contract
 - Identity and Access Management
 - \$2.2B in 2003, will reach \$3.5B in 2008 *[IDC, Dec 2004]*
- **SETECS Integrated IAM System**
 - Comprehensive identity and credential management (*OneMAN™*)
 - Scalable across federated domains (*OnePKI™*)
 - Strong authentication with smart card out of the box (*OneCARD™*)
 - Smart card issuing station and middleware
 - Single sign-on and WSS authorization and access control (*OneNET™*)

"Collaboration technologies ... enable document viewing, sharing and management;... Still, **real-time collaboration**, which is enabled by **instant messaging**, **presence-enabled applications**, ... is the area that's growing the fastest."

["Leveraging Real-Time Communications in the Enterprise", Nemertes, 6 August 2004]

- **Existing solutions with serious security limitations:**
 - Identities and documents stored unprotected
 - Identities and transactions data over the network in clear
 - SSL and digital certificates only temporary encryption and not scalable

["Instant Messaging: Time For IT To Pay Attention", Business Communications Review, January 2004]

- **New legislations changing requirements:**
 - Sarbanes-Oxley Act and HIPAA
 - Manage, secure and store all information within the enterprise

["Information Management for Compliance", IDC, 2005]

["Worldwide Email Archiving Applications 2004-2008 Forecast and 2003 Vendor Shares: To Be Dedicated Solutions or Not to Be - That Is the Question for the Forecast Scenarios" , IDC, December 2004]

- **Large and growing market**
 - **Enterprise Instant Messaging:**
 - 80M business users today, reaching 500M by 2007
 - \$220M in 2004, will reach \$624M in 2008 *[IDC, Sept 2004]*
 - **Collaboration Software:**
 - \$2B in 2002, will be over \$2.5B in 2006, with advanced collaboration tools from \$435M to \$923M *[Ovum, Mar 2003]*
 - **Web Application Security:**
 - \$400M in 2004, will reach \$1.8B in 2007 *[Yankee Group, Jul 2003]*
- **SETECS Secure Enterprise Group Applications System**
 - Dynamic real-time key distribution and management system with strong protection of crypto keys (*OneGroup™ Policy & Key Distribution Server*)
 - Browser-based thin client, no software installation for PC/PDA/Smartphone clients (*OneGroup™ Web-based Thin Client*)
 - Multiple secure applications
 - Secure sharing and archiving of documents, secure instant messaging and whiteboard

PROBLEMS	SOLUTIONS (SECURITY SERVICES)	APPLICATIONS				INDUSTRY VERTICALS				SETECS PRODUCTS		
		<i>Secure Web</i> <small>(ePayments, eForms, eTaxes)</small>	<i>Secure Messages</i> <small>(IM, Whiteboard)</small>	<i>Secure Documents</i> <small>(Sharing, Archiving)</small>	<i>Secure E-mail</i> <small>(Signed, Encrypted)</small>	<i>Gov't</i>	<i>Financial</i>	<i>Health Care</i>	<i>Other Commercial</i>	SETECS OneMAN™	SETECS OneNET™	SETECS OneGroup™
Identity theft	<i>Reliable Identity Management</i>	✓				✓	✓			✓		
Lack of identity verification	<i>Strong Authentication</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unauthorized transactions and activities	<i>Authorization</i>	✓	✓	✓			✓	✓	✓		✓	
Illegal access	<i>Policy-based Access Control</i>		✓	✓		✓		✓	✓		✓	
Spyware, lack of privacy, confidentiality, availability	<i>Resource Security</i>		✓	✓	✓			✓	✓	✓	✓	✓

OneFramework™ – Security Framework for Fixed and Dynamic/Mobile Network Environments

- Collection of cryptographic objects
- Collection of security GUI objects
- Collection of security protocols objects (SSL, PKCS, strong authentication)

OneCARD™ – Smart Cards Middleware Platform

- Smart cards middleware based on Open Card Framework (Java objects)
- Smart cards middleware based on Government Smart Cards standard
- Virtual card system based on Government Smart Cards standard

OnePKI™ – Scalable Public Key Infrastructure

- Top CA Server: CA server at the root of the PKI with self-signed certificate, certifying Policy CA servers and cross-certifying with other Top CA servers
- Policy CA Server: CA server under Top CA server enforcing certification policy
- Hierarchy CA Server: Intermediate CA server between Policy CA server and multiple Local CA servers (optional)
- Local CA Server: CA server issuing users and application servers certificates
- PKI Client: Performs client certification functions with all CA servers

OneMAN™ – Security Administration and Management

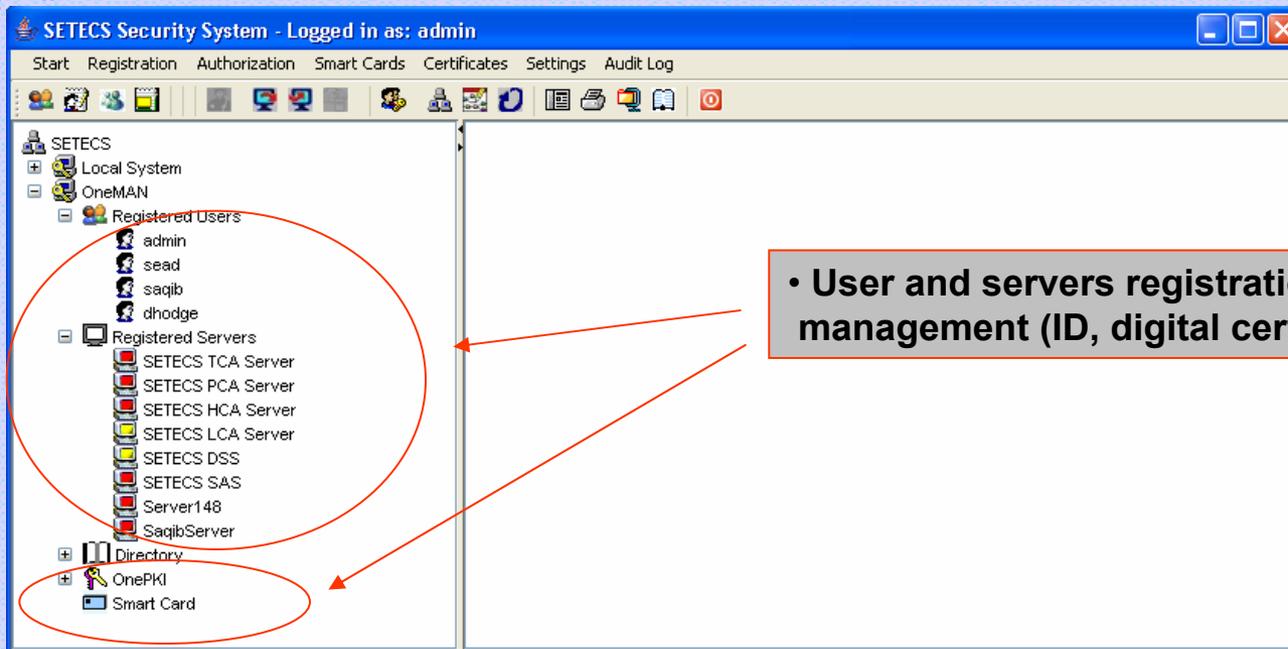
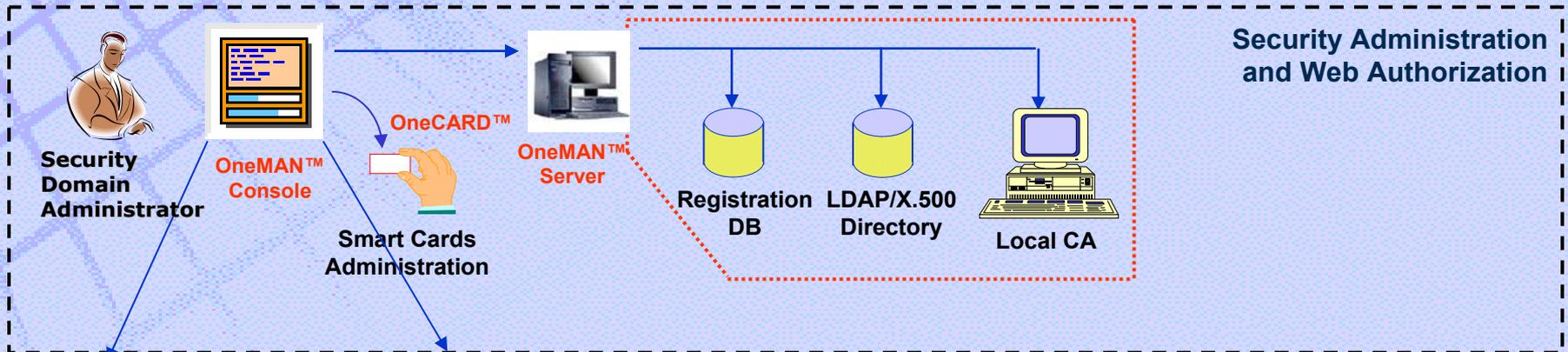
- **OneMAN™ Security Server:** registration, certification, and strong authentication of all network components and resources
- **OneMAN™ Console:** administrative interface to OneMAN™ Server

OneNET™ – Security System for Web Services

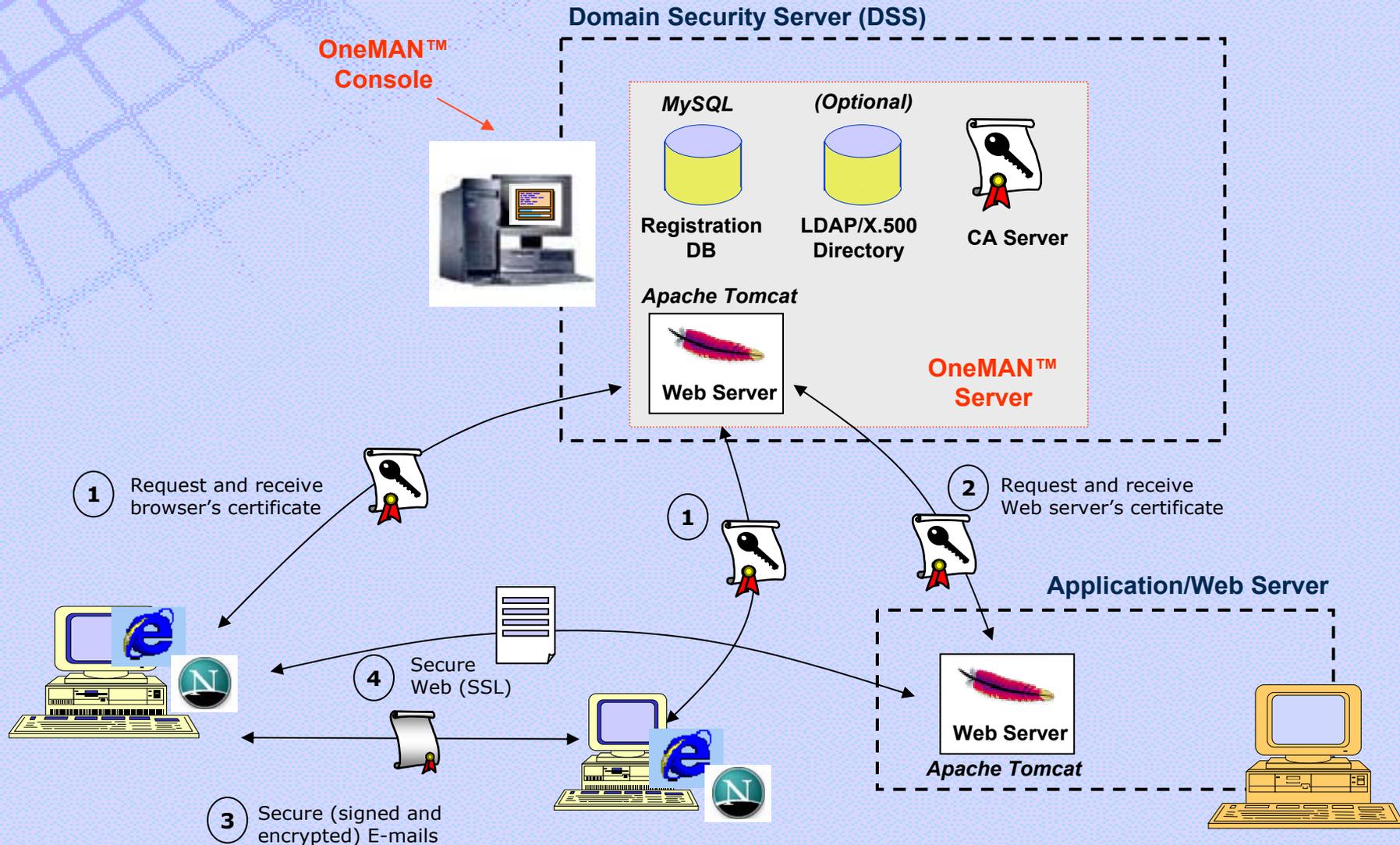
- **OneNET™ Server:** security proxy for multiple application servers (Web, SQL, shared documents, etc) with multiple security protocols
- **OneNET™ Console:** administrative interface to OneNET™ Server

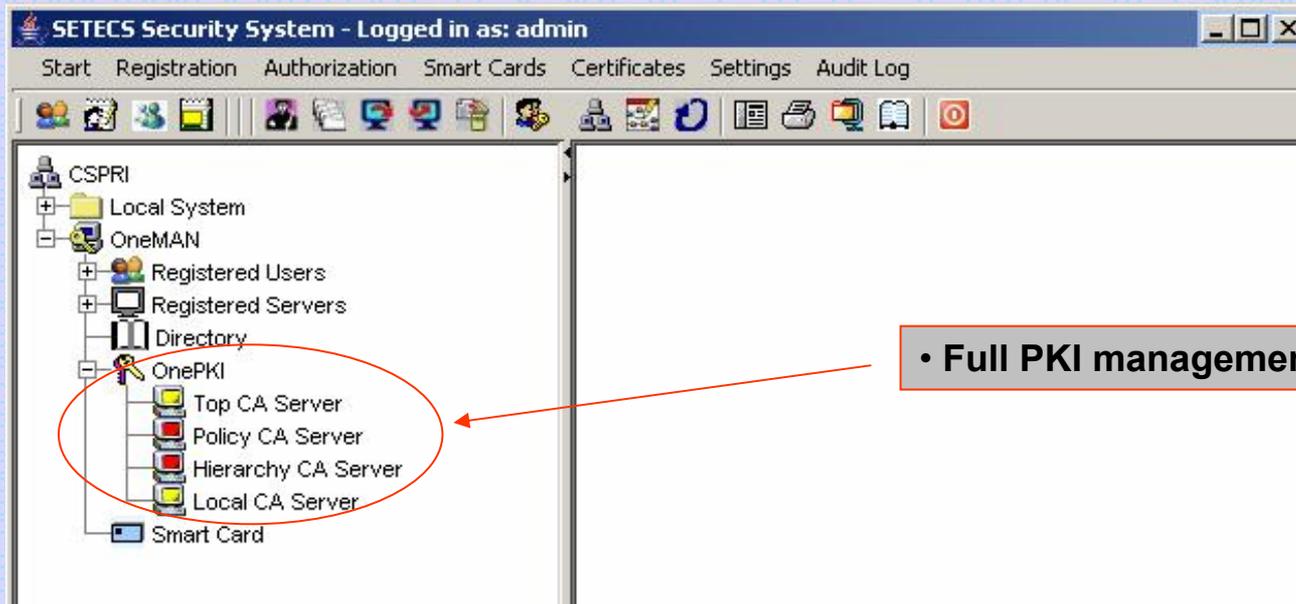
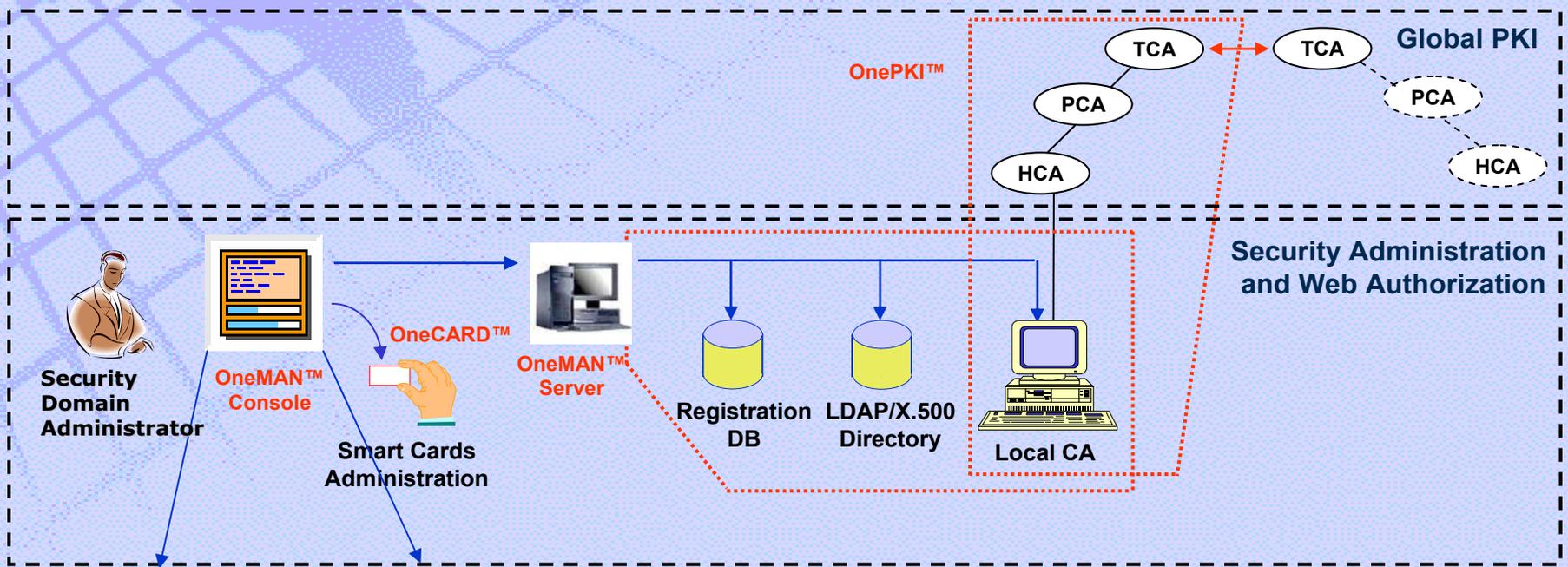
OneGroup™ – Secure Group Applications

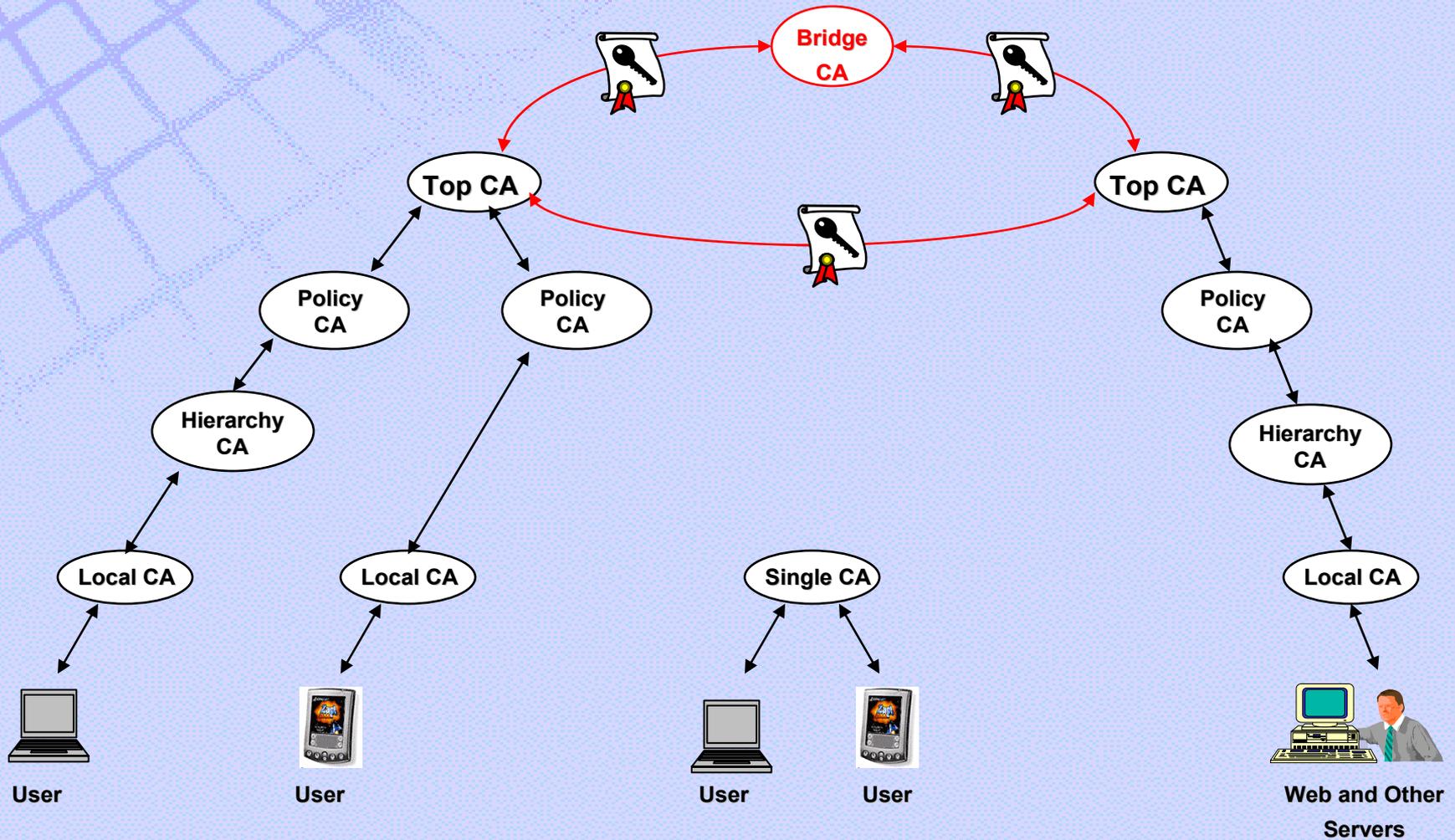
- **OneGroup™ Server:** security server for administrative group functions and key distribution protocol
- **OneGroup™ Console:** administrative interface to OneGroup™ Server
- **OneGroup™ Thin Client:** user interface for various secure group applications (secure IM, secure whiteboard, and secure sharing of documents) for PCs and PDAs

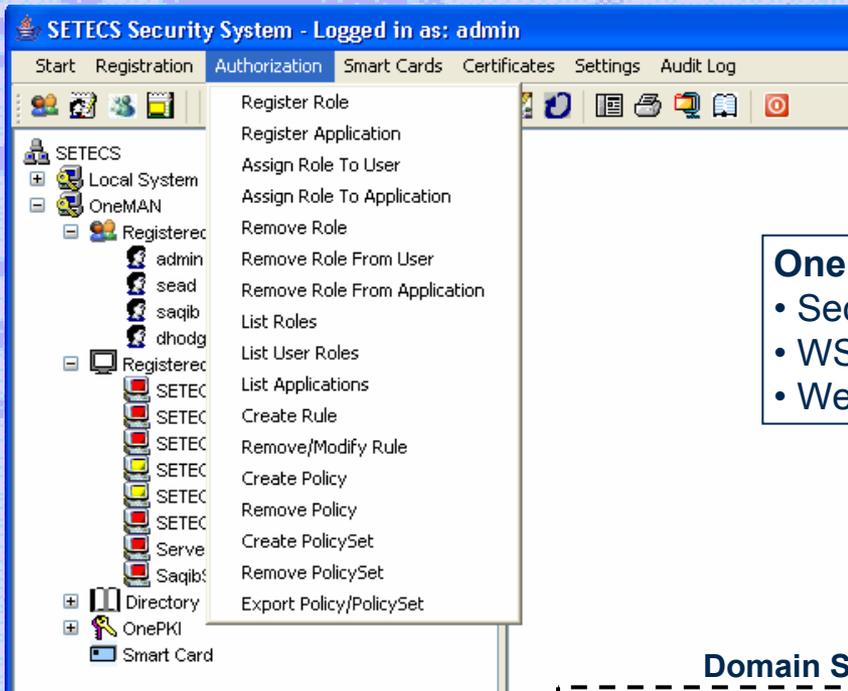


• User and servers registration and credential management (ID, digital certificates, smart cards)







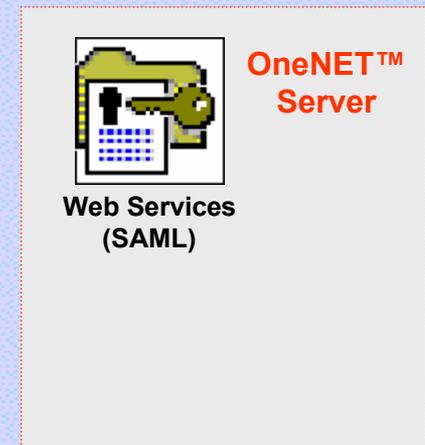
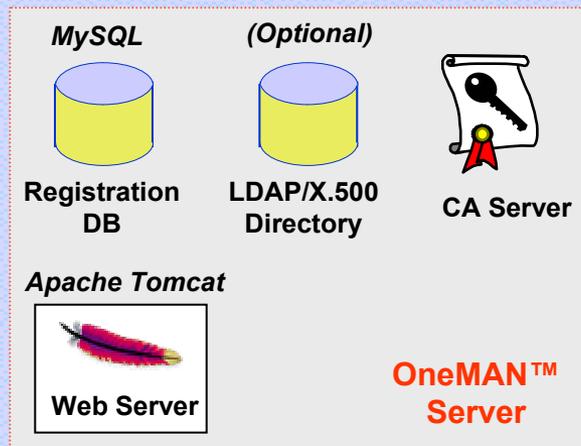


OneNET: Web Services Security Server

- Security proxy for multiple web application servers
- WSS tickets for single sign-on
- Web authorization

Domain Security Server (DSS)

OneMAN™ and
OneNET™
Console

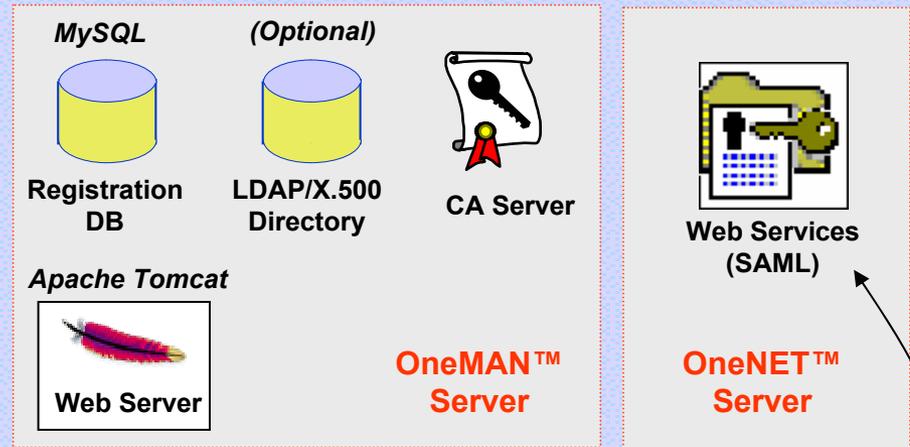




OneMAN™ and OneNET™ Console



Domain Security Server (DSS)



1 Login in OneNET™ server



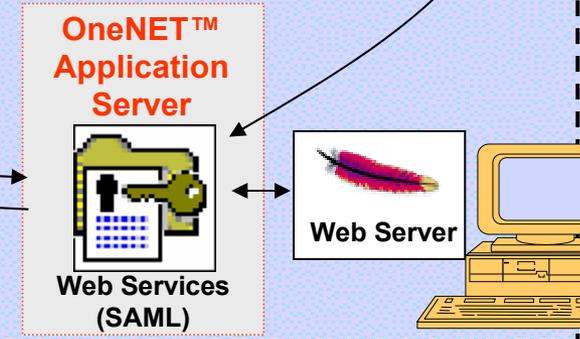
3 Click on any Web server

Web authentication

4

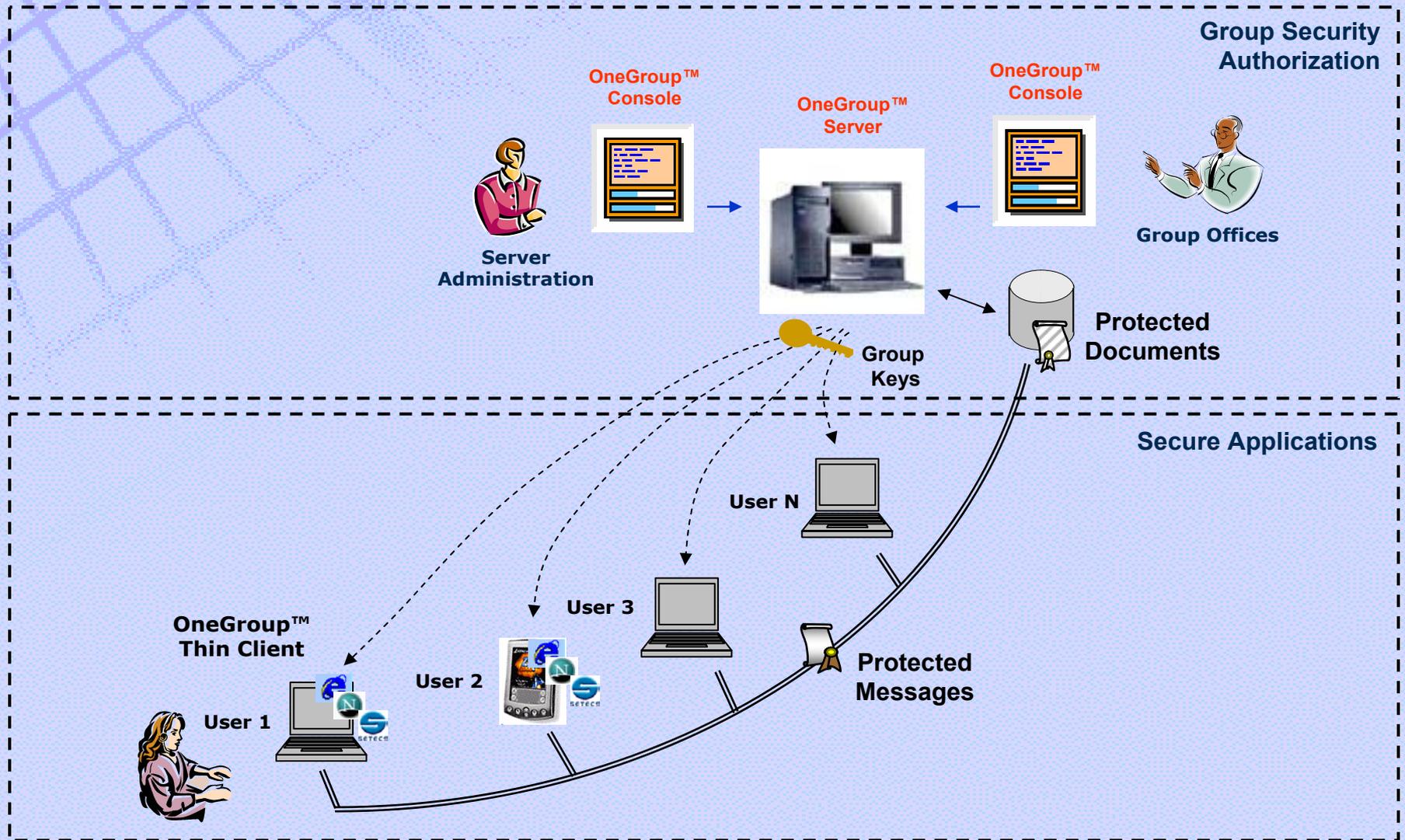


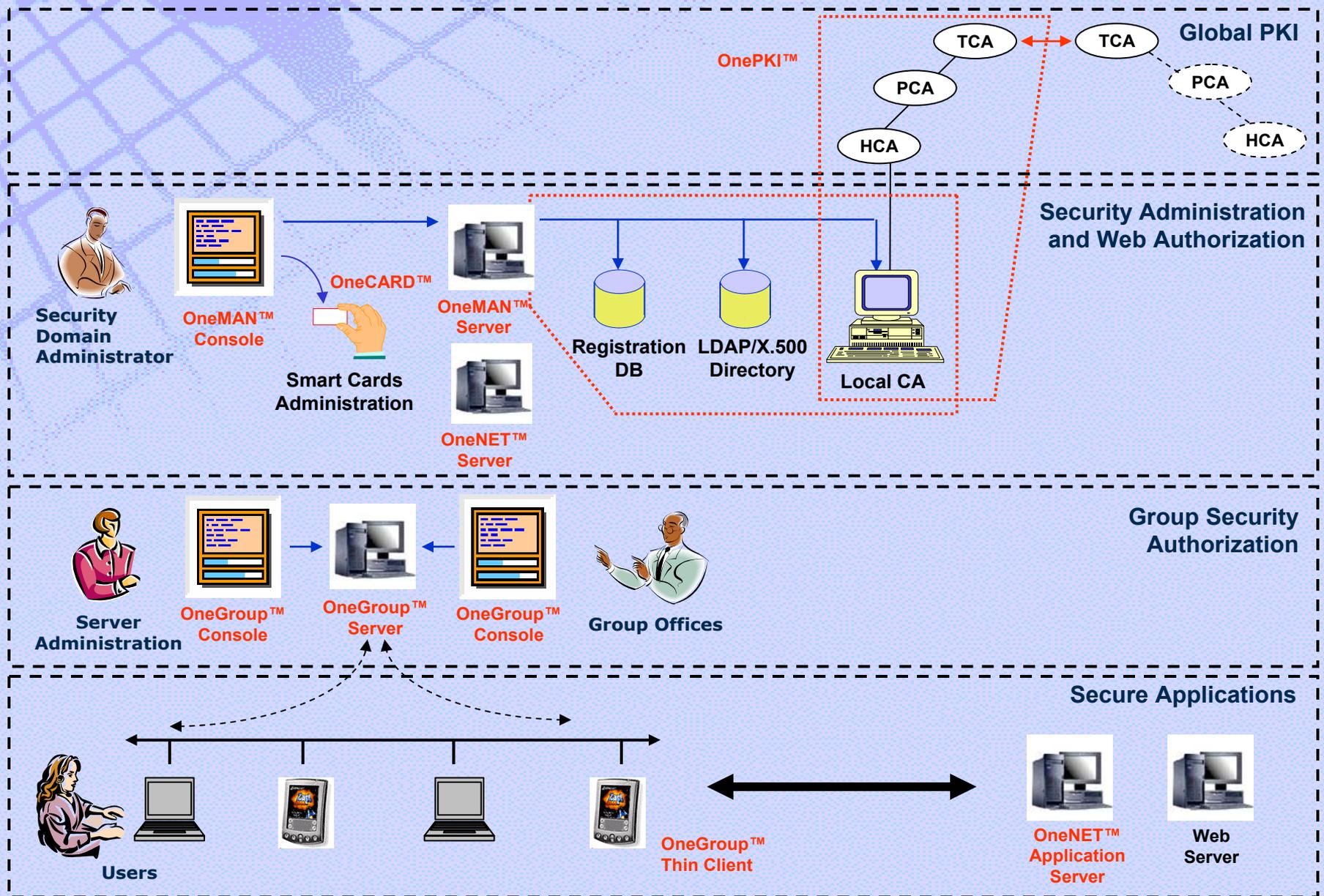
Application/Web Server



2 Get master ticket from OneNET™ server

5 Access and authorization





- **Integrated Security System for Identity and Access Management**
 - Reliable identity management (registration, certification)
 - Strong authentication (dig cert, smart card, biometrics)
 - Authorization/access based on policy and roles (WSS, SSO, federated domains)
 - Scalable across federated domains
- **Next generation security software for group applications**
 - Dynamic group keys – Scalable, on-demand user groups with forward and backwards confidentiality
 - Protection of keys – Stronger access control
 - ★ – Management of keys for long-term access - Archiving of documents/messages for future retrieval
- **Comprehensive Security Framework**
 - Written in Java, runs on any platform and communication protocol
 - Extendable to Mobile/Wireless Environments
 - ★ – Security software modules encrypted and self-protected





SETECS, Inc.

- **Maryland C-Corp established in March 2004**
 - But with a long history...
- **Located in the Silver Spring Innovation Center**
- **Growing rapidly**
 - Four principals, four software developers
 - Several sales agents under commission plan
 - Multiple channel partners
- **Significant corporate results**
 - Products released in Q1 2004
 - SBIR and TEDCO awards; several reseller and technology partnership agreements; product deployments and revenue
- **Focus on company growth**
 - Expand customer base

- **Industry Experience and Direct Expertise in Technology and Market Development**

Sead Muftic, *President & CEO*

- International expert in internet security technologies
- Founder, Chairman & CTO of Entegrity Solutions and COST AB
- PhD in Computer Security from CS/OSU (1976)

John McWilliams, III, *VP of Sales & Marketing*

- 20+ years IT security industry IPO and acquisition experience
- V One, Trusted Information Systems, Network Associates, SSP Litronic
- Held USN Top Secret Clearance, attended GMU

Stefano Baroni, *VP of Business Development*

- 10+ years in technology and business development
- Director of Product Management at Corvis; Bell Labs/Lucent Technologies
- PhD in EE from UCL, Georgetown MBA

Mark Heffernan, *VP of Finance & Administration*

- 20+ years experience in finance and operations management
- President of DMS, Inc.; VP of Administrative Operations at JHPIEGO/JHU
- Wharton MBA, Maryland CPA

Channel approach with ISV, OEM & Reseller Partners for both Gov't & Commercial Markets

- ISV: *Idea Integration* and *SCI Group*
- OEM: *Operational Research Consultants (ORC)*
- U.S. Reseller: *Intelligent Decisions* and *JB Cubed*
- Intl. Resellers: *Finally Software* and *XianGroup*
- Professional Services agreements with *World Bank* and *Pragmatics*



Interoperability Projects and Beta Customers

- NSA/DoD: Federal Bridge CA interoperability project
- NIST/DoD: smart cards project
- SSA: Web services project
- NSA: Secure group communication pilot
- NOAA: Agency-wide PKI pilot
- About 20 pilots worldwide (managed by Channel Partners)

