



*“We Help
Put America
Through
School”*

Identity & Access Management

Tools Analysis Status Update

January 14th, 2004

Workgroup Meeting Agenda



- Project status update
 - Review of Major Phases & Timeline
 - Evaluation Criteria Categories
 - Vendor Meeting Schedule
 - Identity Management and Web Access Control
- Identity Management Vendor Overview
- Access Control Vendor Overview



Tools Analysis Major Phases and Tasks

Vendor Analysis Phase:

- Establish criteria for vendor evaluation
- Identify market leading solutions
- Select products for on-site evaluation.

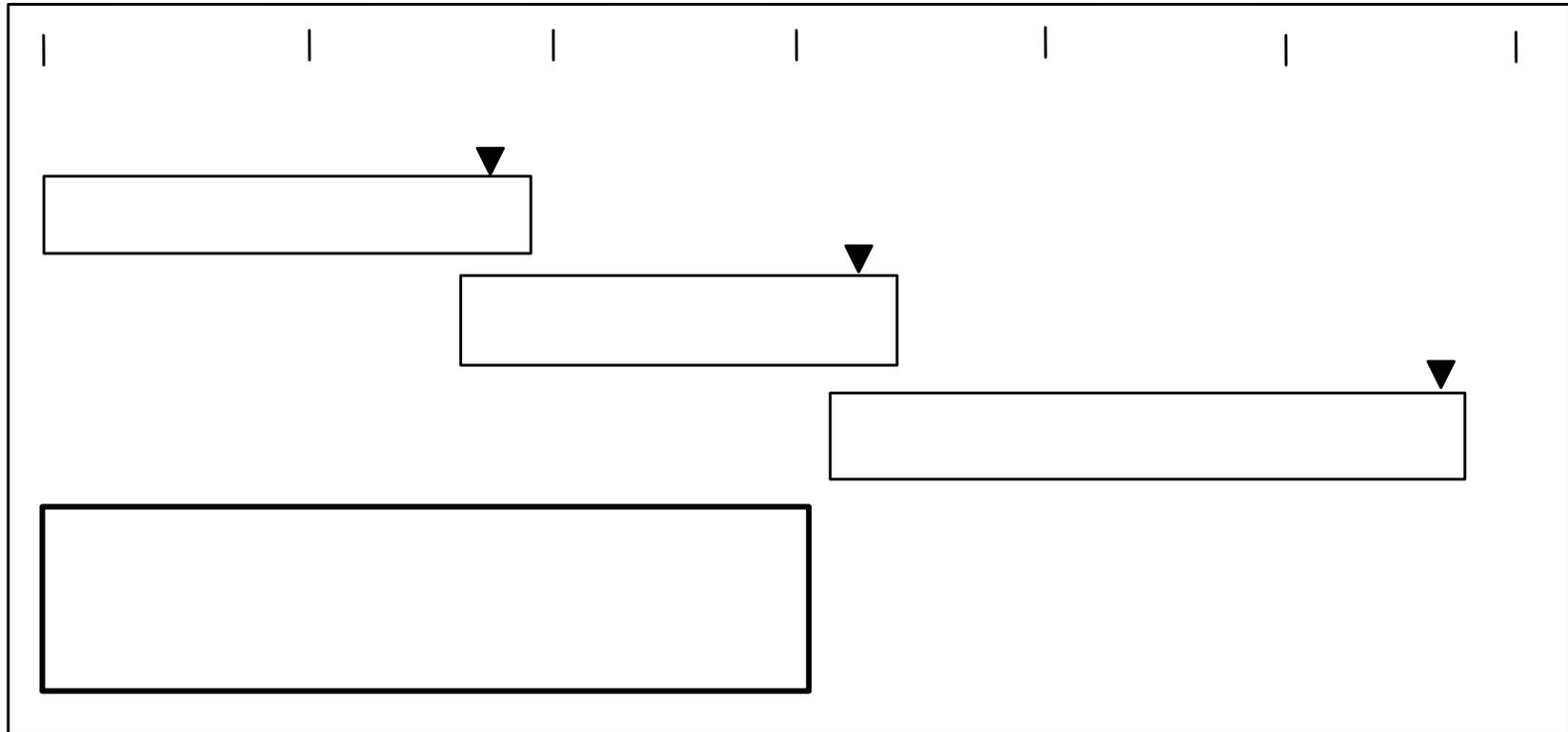
Product Options Phase:

- Conduct on-site vendor evaluation and testing
- Analyze vendor solutions
- Select products for prototype

Prototype Phase:

- Prototype Identity Management and Access Control components in FSA development environment
- Test & analyze prototype functionality against FSA business objectives

Tools Analysis Deliverables and Schedule



Vendor Analysis – January 23, 2004

Product Options – March 5, 2004

Prototype Documentation – May 14, 2004

Dec

Jan



Vendor Analysis Status

The tools must fulfill FSA Business Objectives and Requirements. Criteria categories include:

General

- Vendor Stability & Relevant Experience
- Flexibility
- Architectural Complexity / Compatibility (e.g. agents)
- Target Platform Support
- Security / Encryption

Identity Management

- System Admin Management and Interface Usability
- Delegated Admin / Self-Service Capabilities
- Security Policy Management (e.g. password policy)
- Support development of FSA Enterprise Roles

Web Access Control

- Single Sign-On Capabilities
- User Authentication Capabilities



Vendor Analysis Status

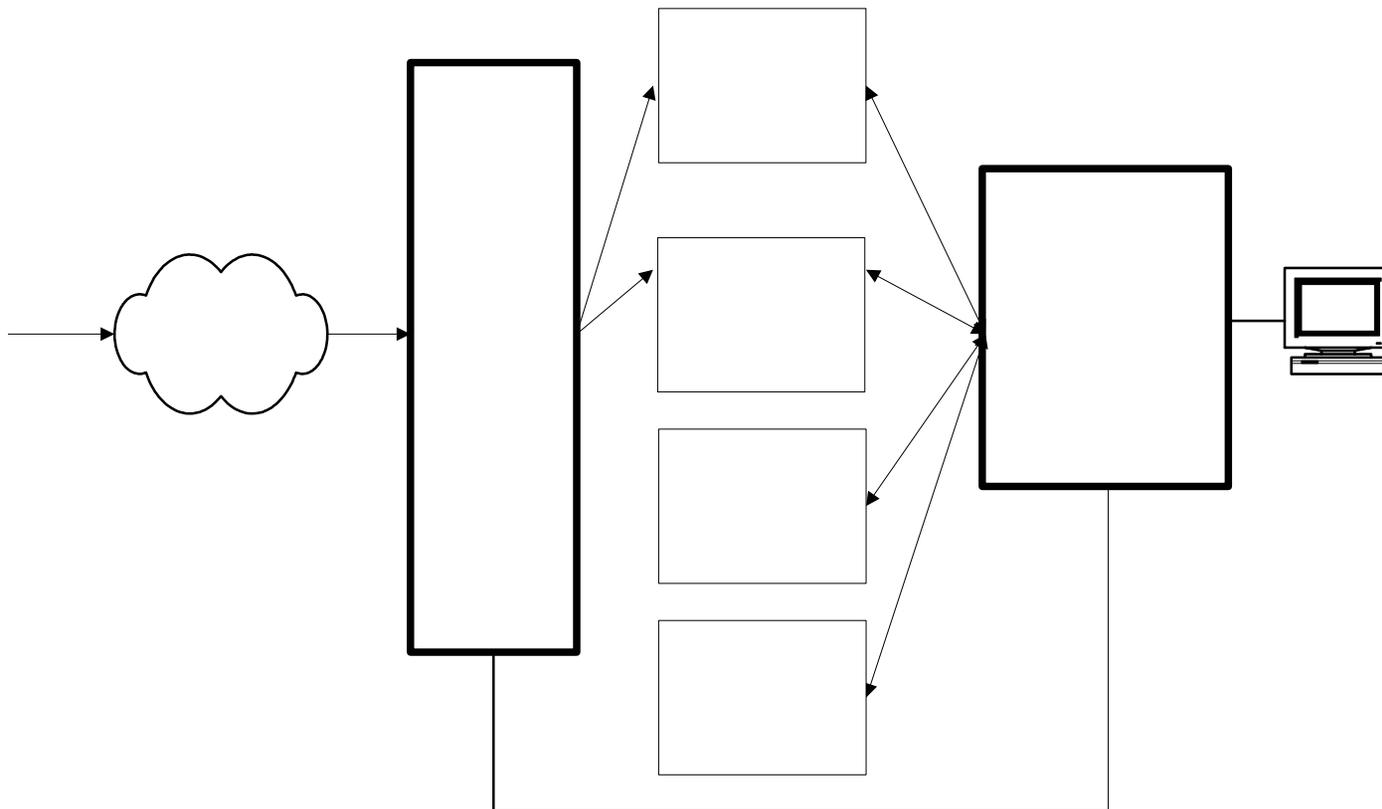
Initial vendor meetings to date are summarized below:

Vendor	Type	Date
Waveset	Identity Management	12/15/03
IBM	Access Control & Identity Management	12/17/03
Netegrity	Access Control & Identity Management	12/18/03
RSA	Access Control	12/18/03
Thor	Identity Management	12/18/03
Oblix	Access Control	1/9/04
BMC	Identity Management	1/13/04



Access Management Solution Tools

Web Access Control and Identity Management Systems

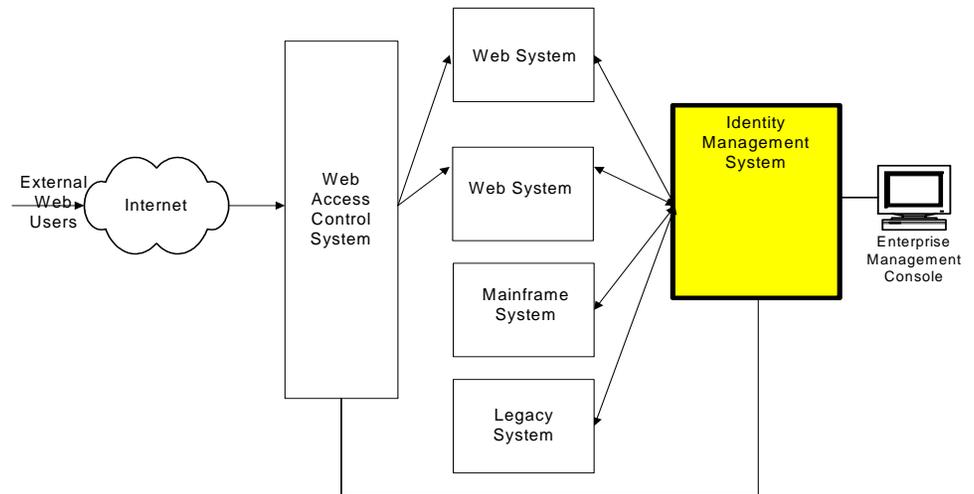


Identity Management



Products (with vendors):

- Control-SA (BMC)
- IdentityMinder (Netegrity)
- Lighthouse (Waveset)
- Tivoli Identity Manager (IBM)
- Xellerate (Thor)



Identity Management Benefits

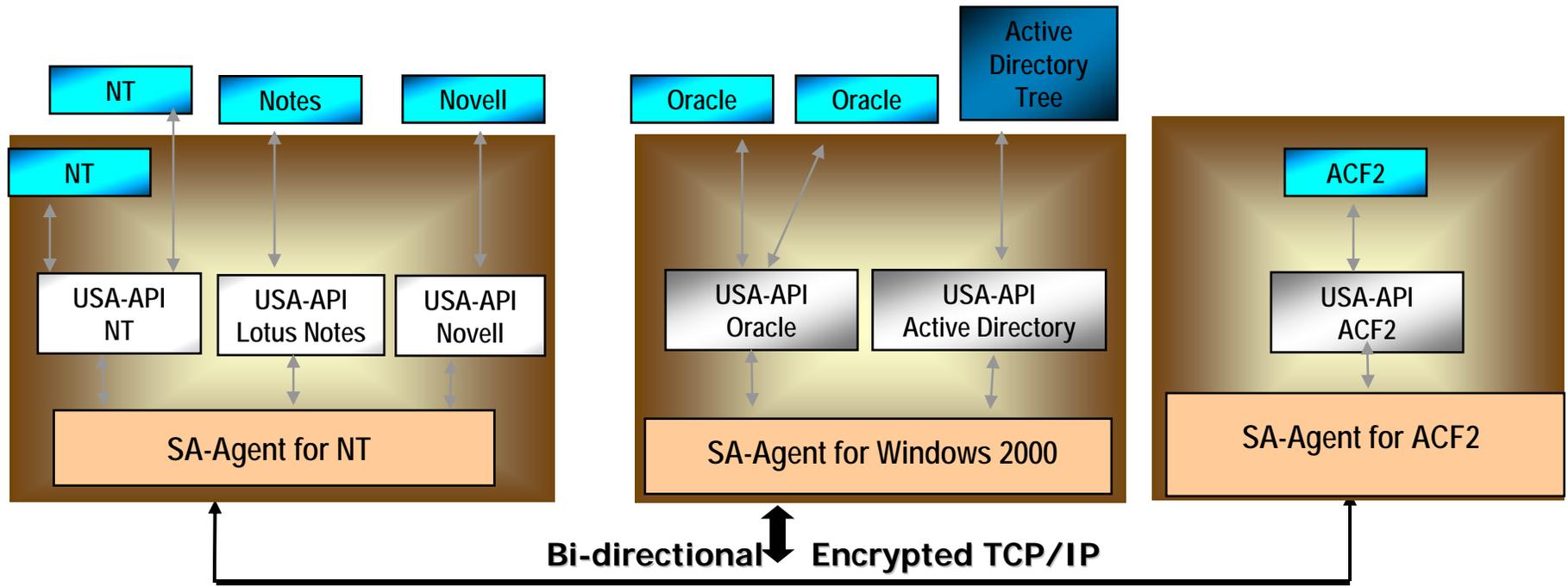
- Manage security functions across environments and platforms
- Reduce the number of passwords (simplified sign-on)
- Provides self-service functions (registration, password reset, etc.)
- Allow delegated security administration of selected tasks
- Synchronizes passwords across multiple systems and platforms



Control SA - BMC

- Control SA product marketed for 7+ years
- BMC sells a broad set of system management products
- Preferred use of agents installed on each managed platform
- Provisioning, password management, and workflow components available separately
- Relevant clients include World Bank, Fleet Bank, Health & Human Services (HHS), USDA (National Finance Center) and Cigna

Control-SA Architecture

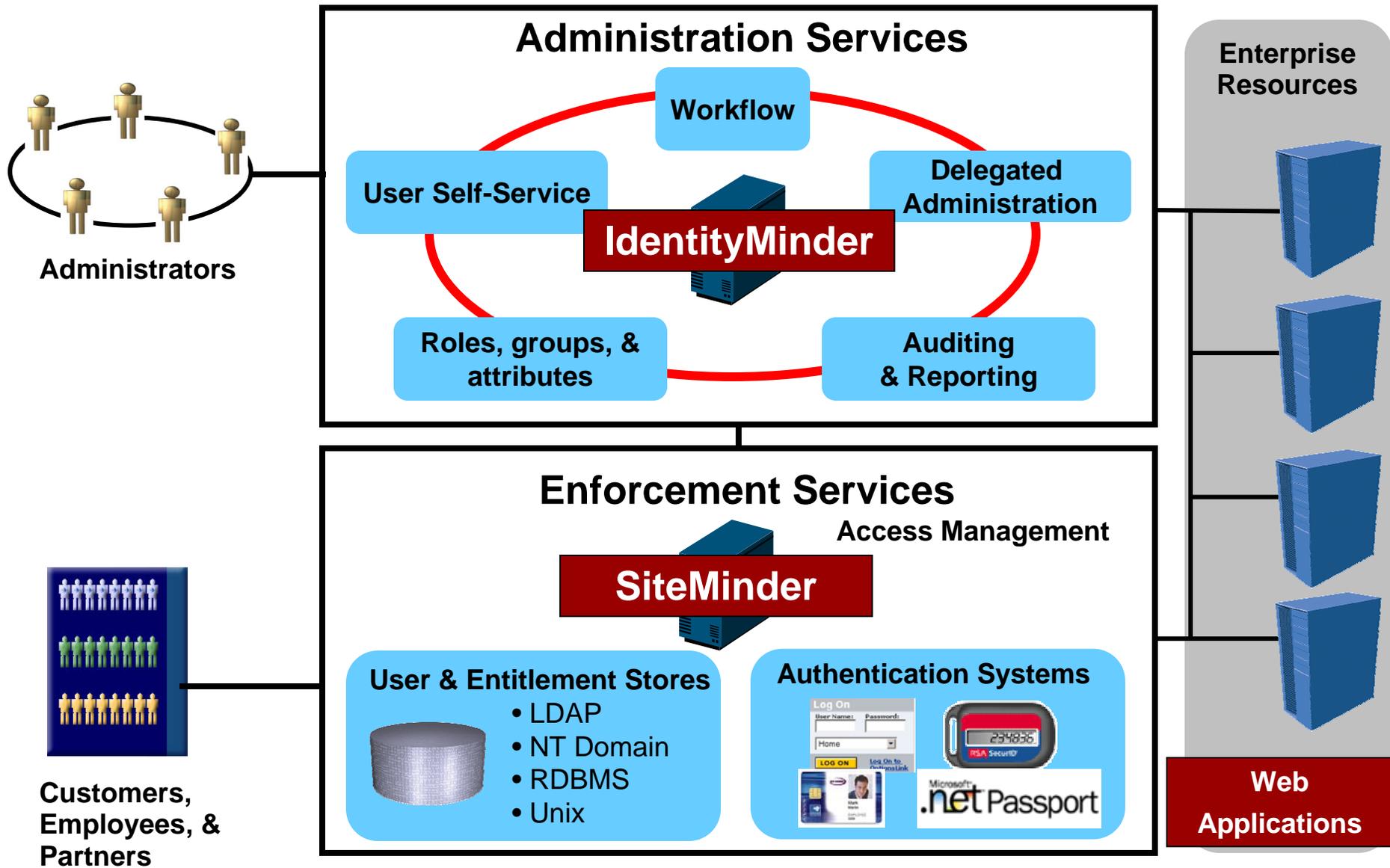




IdentityMinder - Netegrity

- Stable company, long-term presence in security market
- Relatively new products for Identity Management (available ~1 year)
- Recent acquisition of Business Layers to provide long-term development team for IdentityMinder provisioning functions
- Two versions: IdentityMinder (role-based identity management for web or directory-based systems) and IdentityMinder Provisioning Edition (for non-web and legacy systems)
- Integrated workflow engine to automate security approval processes
- Self-service features for password reset and user registration.
- Tightly integrated with Netegrity Web Access Control product (SiteMinder) – uses same policy engine and directory information
- Small installed base, but current customers include USDA

IdentityMinder Web Edition

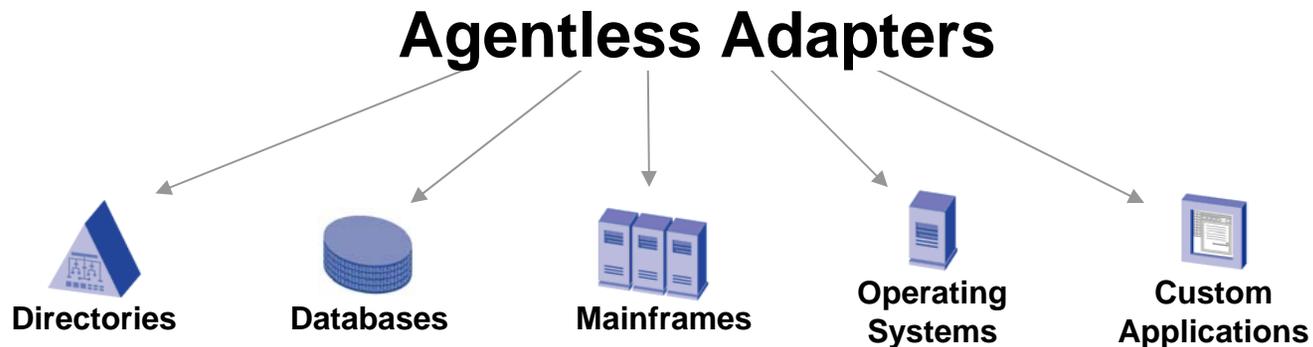
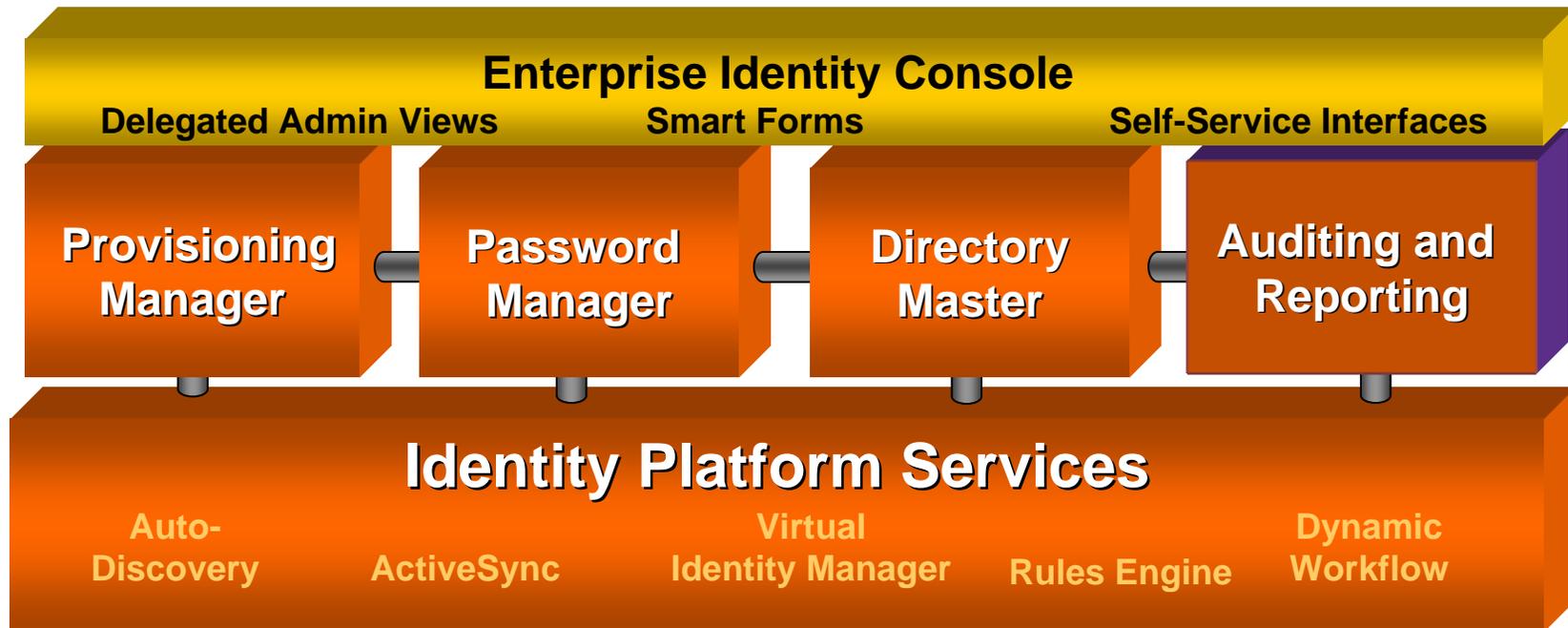




Lighthouse - Waveset

- Relatively young company (~3 years), but founded by management team with extensive experience with other security vendors (BMC, Tivoli, IBM, Novell, Microsoft, Gartner, HP.)
- Rapidly gaining market share in provisioning space, especially in government (DLA, DISA, US Transportation Command, Dept. Treasury) and financial services (Merrill Lynch, Fidelity, GMC Financial Services, Household Finance)
- Recently acquired by Sun, will manage security products for SunONE architecture
- Offers a government starter kit at a significant discount.
- Provides agentless connections to target systems, a virtual identity management architecture, and workflow functions
- Standards-based interfaces (SOAP, XML, JDBC, J2EE), chairs OASIS SPML work group; DOD COE certified, in the process of getting NIAP certification.

Waveset Lighthouse *Enterprise Edition*

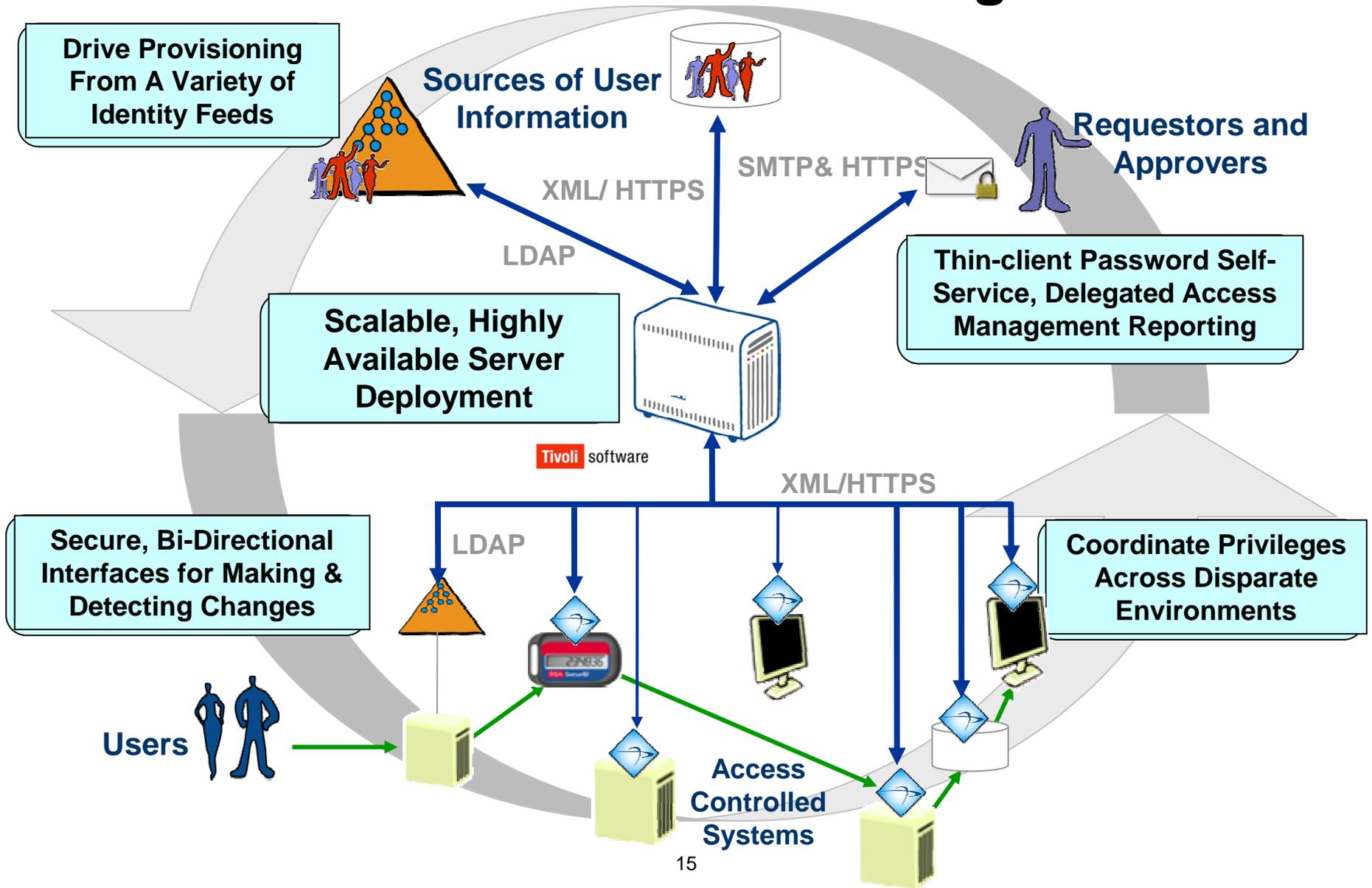




Identity Manager – Tivoli/IBM

- Security products represent small percentage of supported software products
- Very strong financially, extensive support capabilities
- Relatively new to the Identity Management market - user provisioning engine acquired recently from Solution based on Access360's provisioning functionality
- Generally requires agents on target platforms
- Central repository stores duplicate user information for each target platform – requires large database capacity
- Customers include Social Security Administration

Automated Account Provisioning



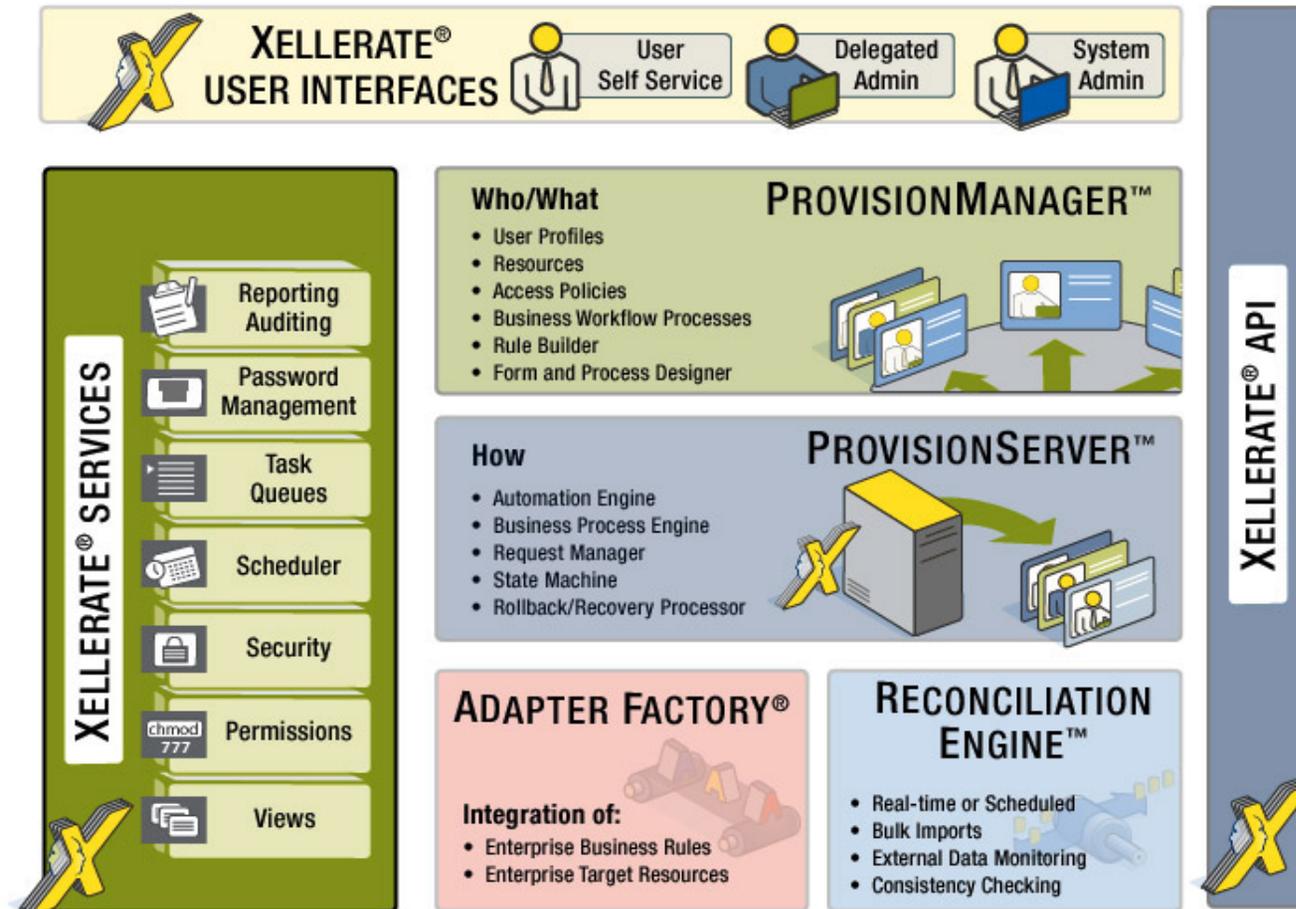


Xellerate - Thor

- Small company size but financially stable
- Started enterprise provisioning in 2000 – growing market penetration
- Concentrates solely on Identity Management solutions
- Integrates with all major Access Control solutions - integrates with RSA ClearTrust as part of an Accelerated Delivery Methodology
- Unique GUI-driven Adapter Factory auto-generates adapter code reducing manual programming needed to build or maintain adapters
- Reference clients include Lehman Brothers, Nextel (selected over Tivoli/IBM Identity Manager and Waveset Lighthouse)
- Recently selected for U.K. National Health Service

Modular Enterprise-class Design

Xellerate Architectural Components

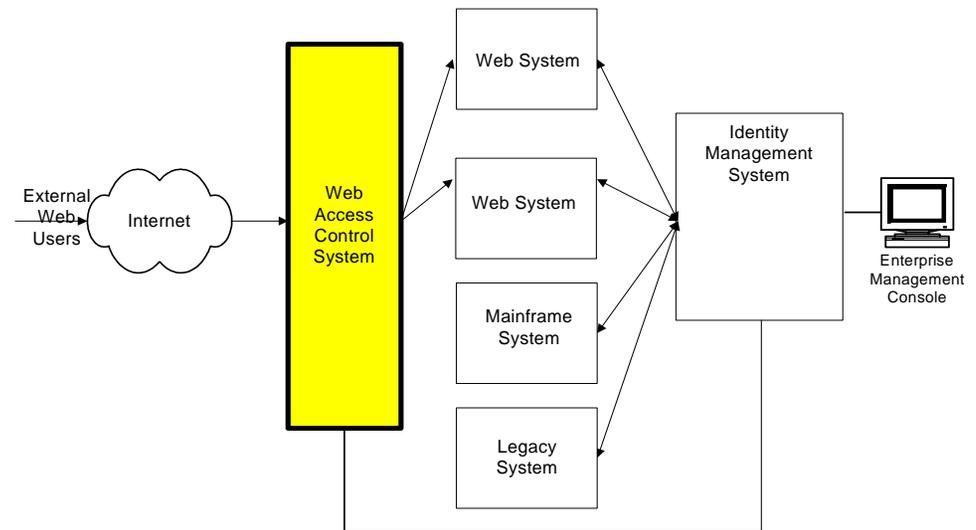


Web Access Control



Products (with vendors):

- ClearTrust (RSA)
- NetPoint (Oblix)
- SiteMinder (Netegrity)
- Tivoli Access Manager (IBM)



Access Management Benefits

- Reduce number of User IDs and passwords for web based applications (Single Sign-On).
- Provide tools to implement Web Services Security standards.
- Provide flexible authentication methods for web applications

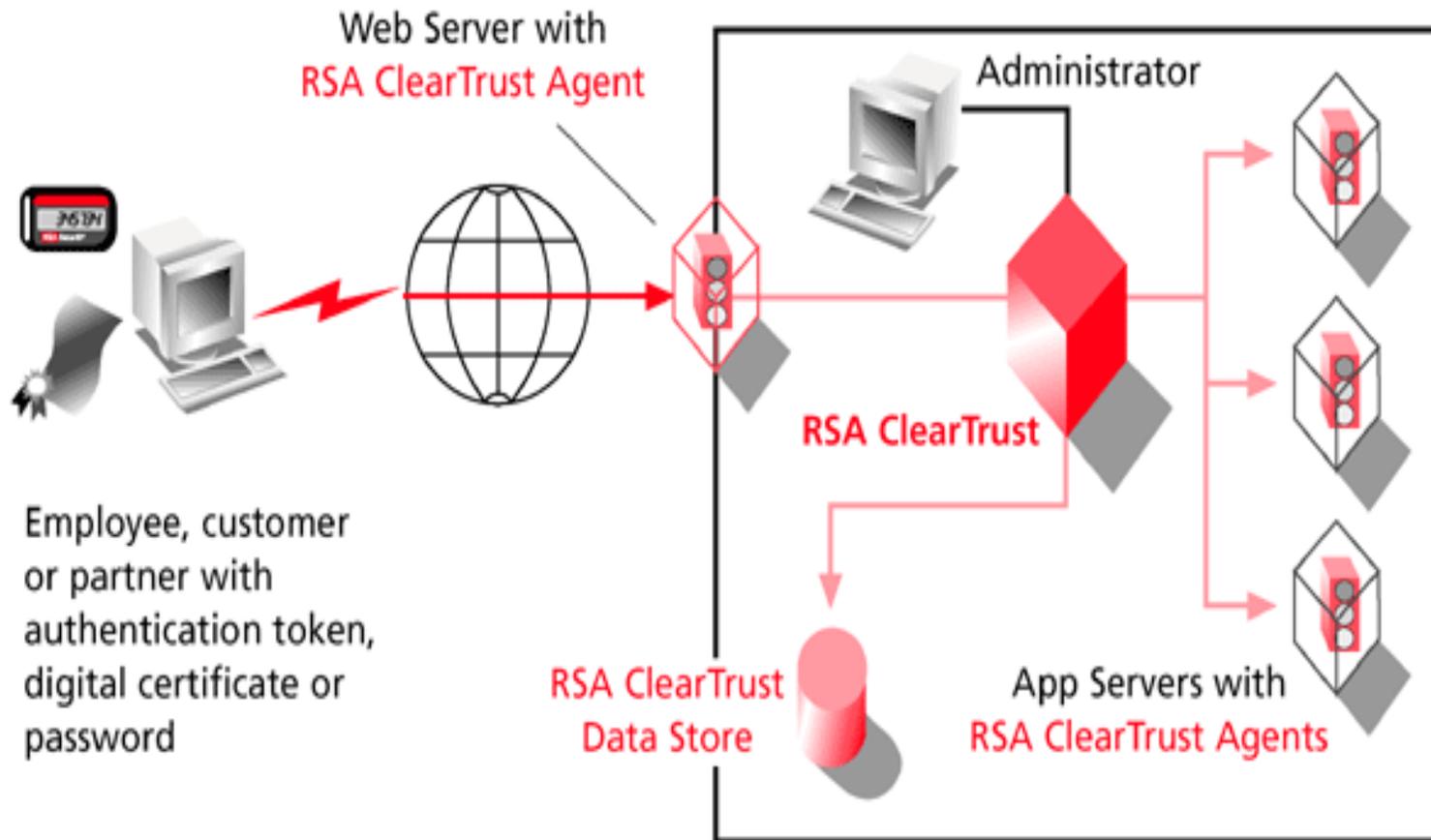


ClearTrust - RSA

- Financially strong company with 14+ years of computer security experience
- Utilizes agent based architecture
- Strong security between Access Control components
- Supports SAML and other federated identity standards
- Integrates with all major Identity Management solutions - integrates with Thor's Xellerate product as an Accelerated Delivery Methodology
- Reference clients include Lehman Brothers, Wells Fargo, ARMY/PEO, NSA, GSA eAuthentication project, Navy Medical Logistics, Nationwide (Insurance)



ClearTrust Architecture



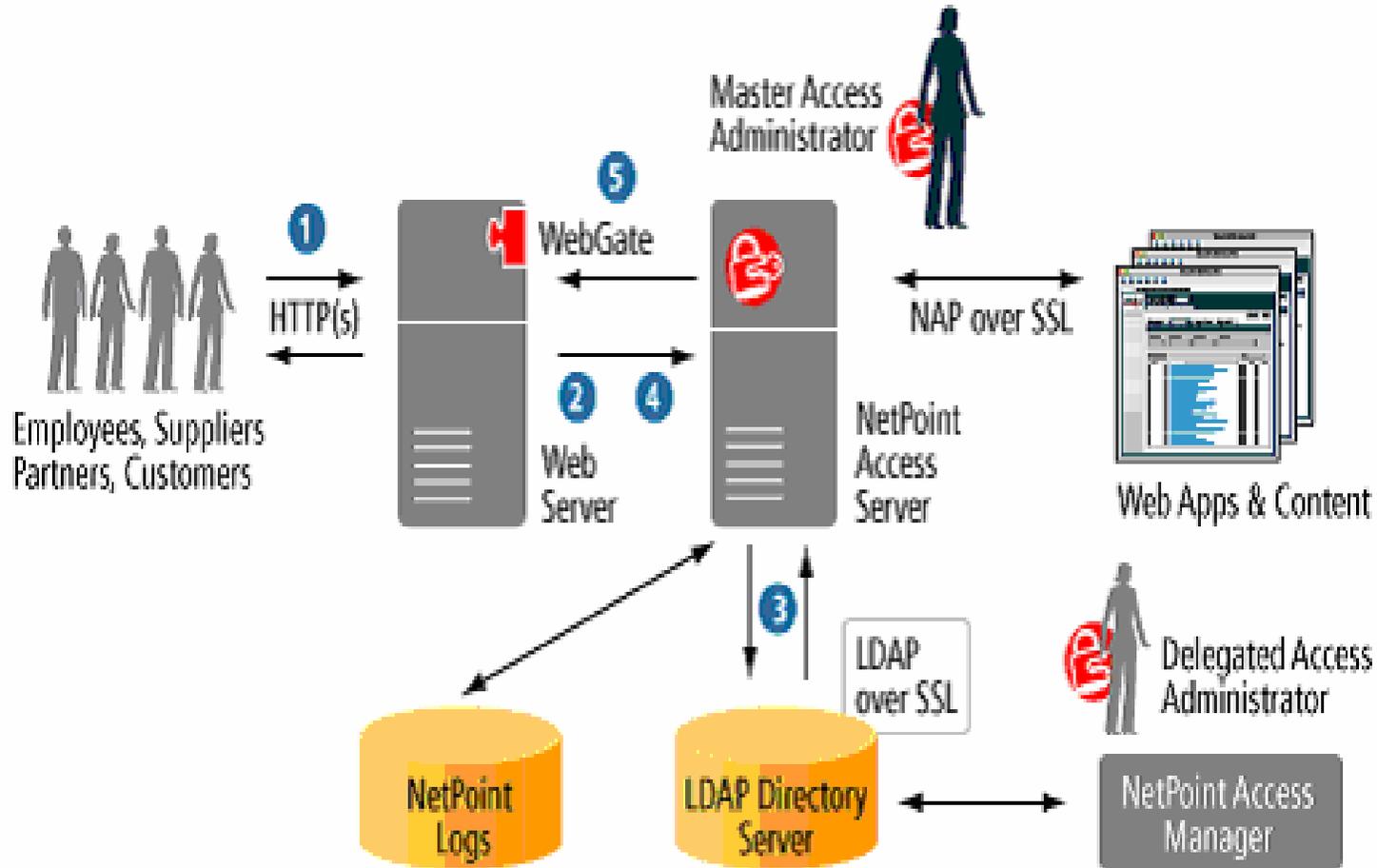


NetPoint - Oblix

- Currently being deployed at USPS. Other clients include CIA, Dept. of Navy, Dept of Energy, Washington Mutual, Goldman Sachs (~200 customers)
- Three major products:
 - NetPoint: SSO, authentication, authorization, auditing
 - CoreID: account management
 - ShareID: federated identity and SAML compatibility
- Preferred architecture uses web server agents
- Actively involved in Federal eAuthentication project



NetPoint Architecture



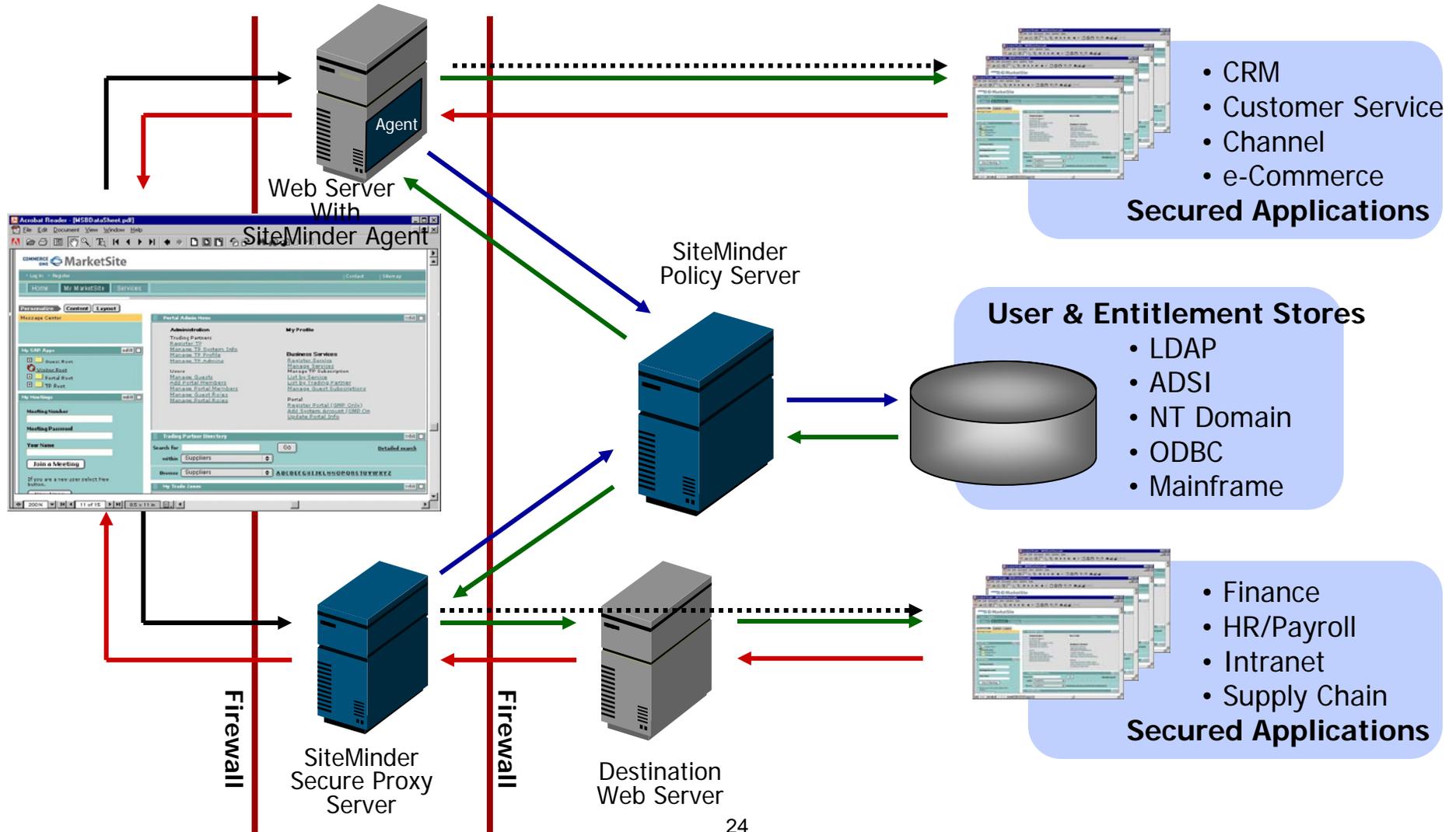


SiteMinder – Netegrity

- Stable company focused exclusively on security products
- Major market share (700+ install base), #1 or #2 over the last 4 years
- Flexible access rule and role administration
- Provides both agent and proxy based architectures but prefers deployment of web server agents
- History of rapid deployments
- Robust set of developer tools enabling the extension of SiteMinder to meet unique requirements
- Supports SAML for communicating security credentials
- Clients include IRS, USDA, Dept. of Army, TSA, Veterans Benefit Agency

SiteMinder in Action

SiteMinder





Access Manager – Tivoli/IBM

- Security products represent small percentage of supported software products.
- Very strong financially, extensive support capabilities.
- Provides both proxy and agent based architectures but usually implemented with web proxy (WebSeal)
- Large install base
- Highly customizable implementation options, but can be more difficult to deploy

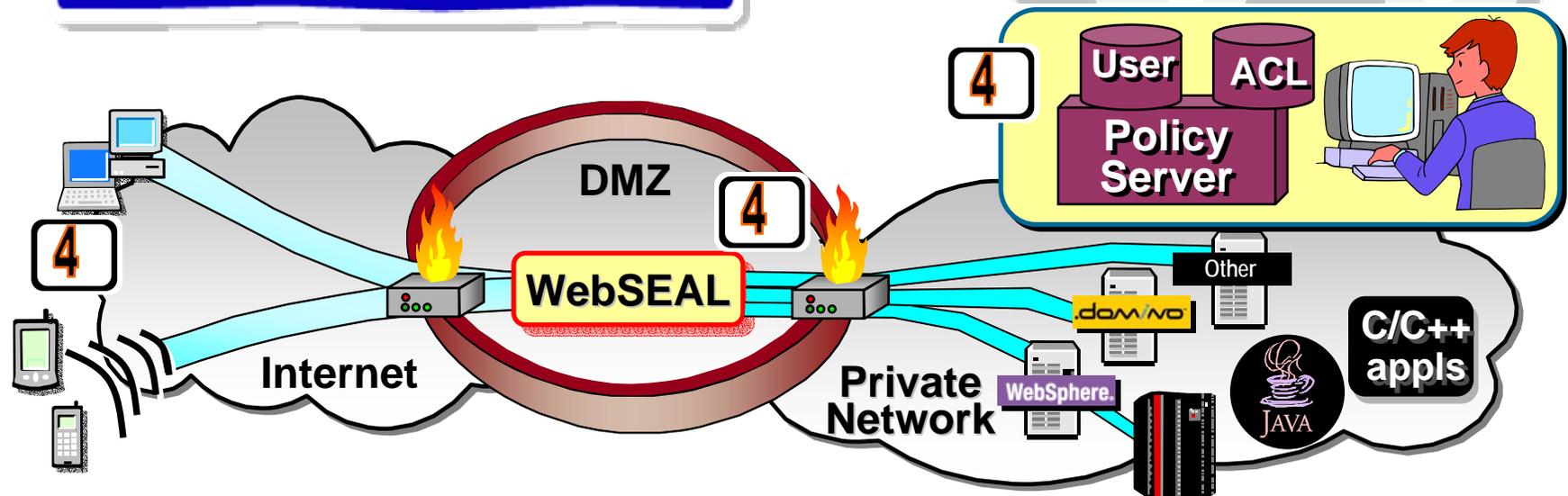
Typical Usage—User Focus

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- Single & cross-domain SSO
- Multiple authentication methods
- New WebSEAL function — password synchronization

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Access Manager self-service and self registration features



- Higher customer satisfaction
- Lower help desk costs