CA SiteMinder® Family Product Update and Roadmap

User's Group Meeting, Paris

Herb Mehlhorn, Advisor Product Management

28 Jan 14

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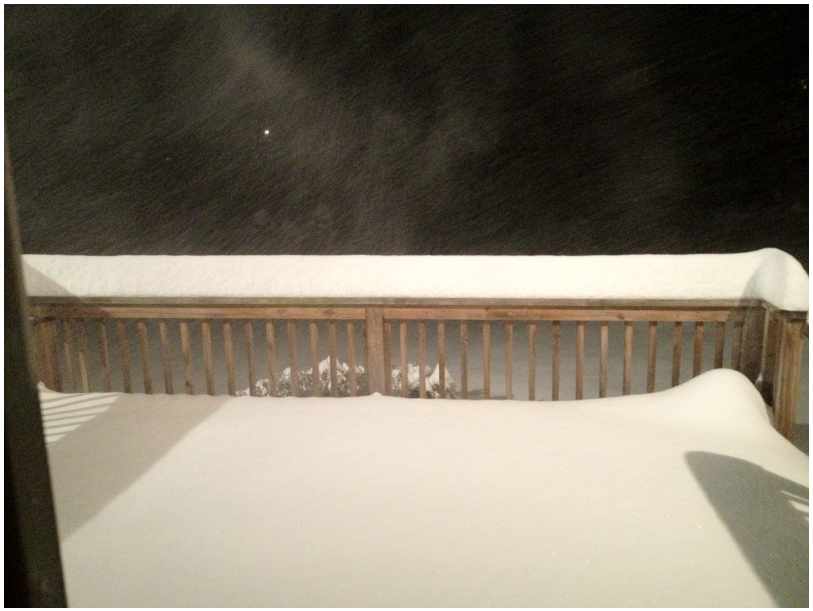
Heureux d'être ici

Chez Moi



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Agenda

- Strategy
- Recent releases
- Roadmap
- Other Important Changes

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Strategy & The Changing Security Landscape

CA Security Vision

the right people (and devices)…

…to secure applications & data

Delivery Model: On Premise Hybrid Cloud

Reduce Costs with Automation

Manage Risk with Deep, Consistent Controls

Accelerate Business with Secure Access

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New Trends Impact the Security Strategy

Partners/Divisions

1.43B social network users by 2012[1]

Cloud Services

305B mobile app downloads by 2016[2]

Mobile Apps

79% of organizations are using SaaS[3]

Developer Community

50B Connected devices by 2020[4]

IoT / Big Data

35ZB of data by 2020[5]

Social Registration

Sources: 1. cMarketer; 2. Gartner, Predicts 2013: Businesses Will Take Consumer Apps to the Next Level, Stéphanie Baghdassarian et al, 23 November 2012 3. Ponemon Institute; 4. Cisco; 5. CSC

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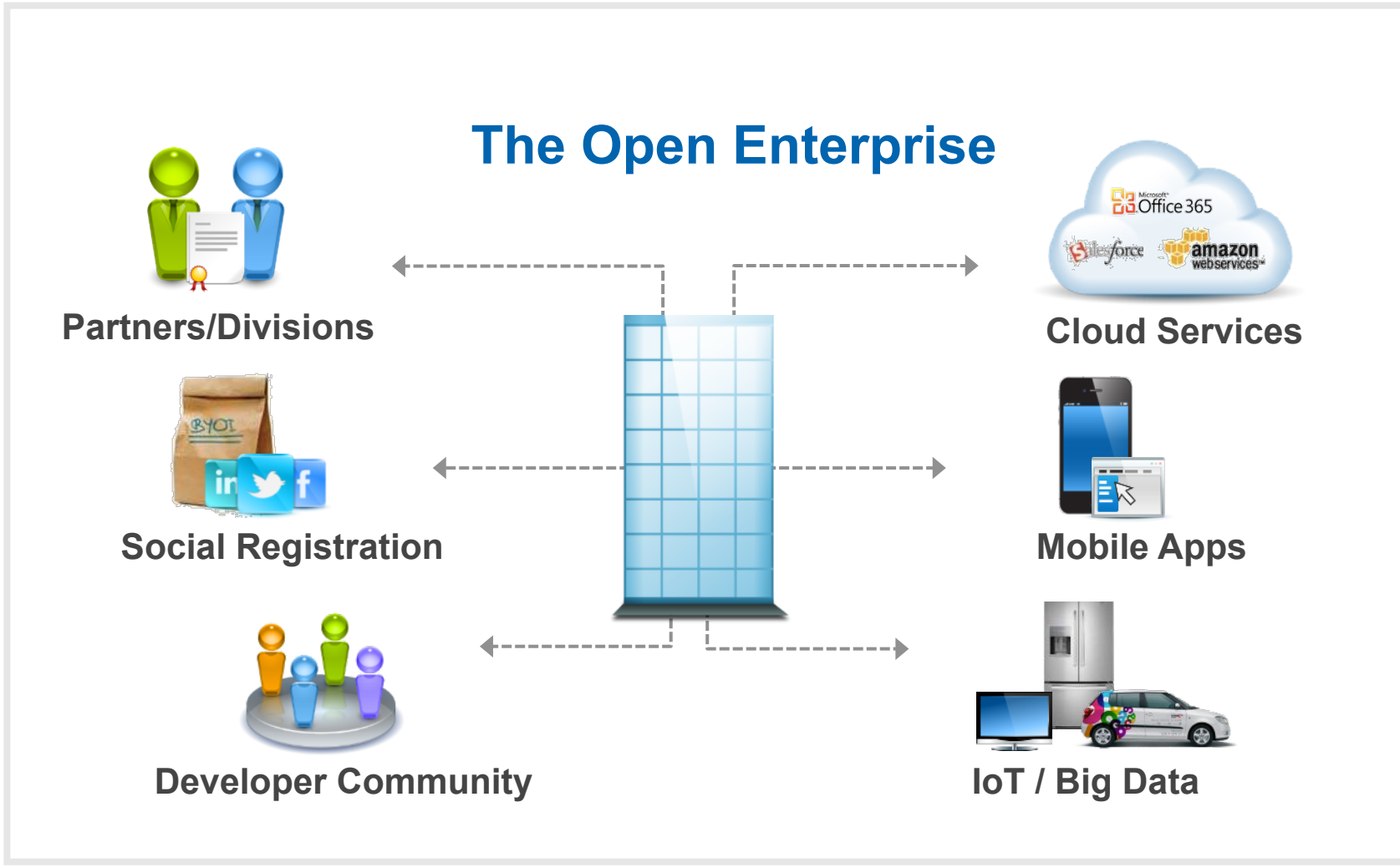
What This Really Means is the Enterprise Must be Open



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While Protecting Against Evolving Threats

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Top priorities for IT security organizations

DELIVER SECURE NEW BUSINESS SERVICES

SECURE THE MOBILE, CLOUD-CONNECTED ENTERPRISE

PROTECT AGAINST INSIDER THREATS AND TARGETED ATTACKS

SiteMinder Family

Enable the Business

Protect the Business

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Deliver Secure New Business Services

Accelerate service delivery

Improve customer engagement (mobile/social)

Externalize the business (Engage partners)

Developer Portal

Social Registration

Identity Federation

Advanced Authentication

API Mgt & Security

Security Policy

Web

Mobile

API

Centralized Security

On-premise

Cloud

Big Data

Identity Mgt

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CA SiteMinder Strategy

SIMPLIFY MANAGEMENT

- Deployment options
  - CA SiteMinder®
  - CA CloudMinder™ SSO
- Simplify deployment architectures
- Simple mgmt. via single UI
- Continue merger of components

ENABLE THE BUSINESS

- Improve customer engagement via social media identity support
- Accelerate application delivery with flexible access management options
- Simplify SSO to Cloud apps and services
- Support key standards for interoperability

ENHANCE SECURITY

- Comprehensive support for identity assurance
- Content aware access decisions
- Advanced cross protocol session management

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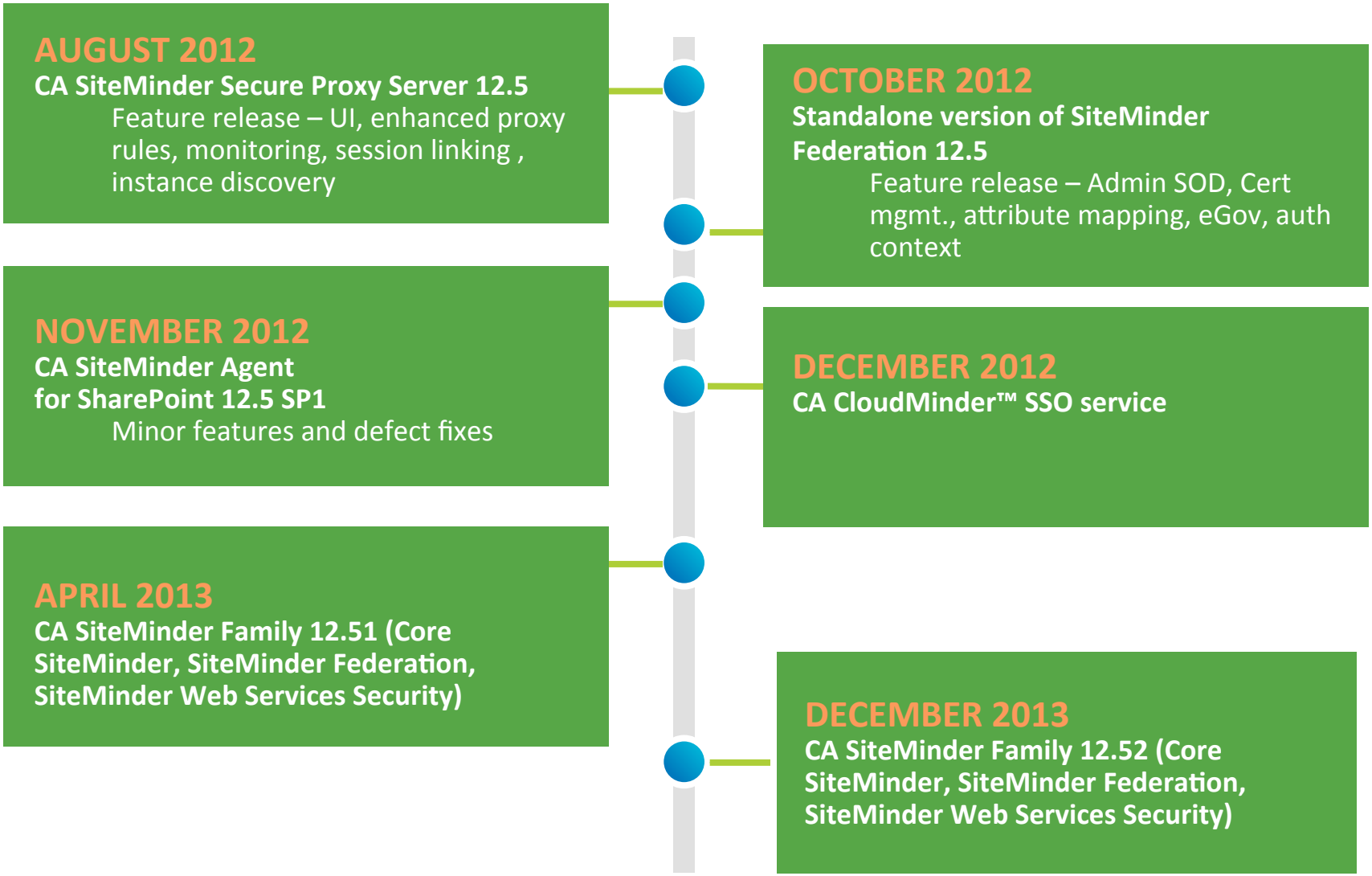
Recent Releases

Recent Release Milestones



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CA SiteMinder (+Fed+WSS) 12.51 Summary

THEME	FEATURE	DESCRIPTION
Enable the Business	Web Service Interfaces	RESTful & SOAP-based web service interfaces for authentication, authorization
	Social media identities	Ability to consume OAuth 2.0-based identities produced by Google and Facebook
	WS-Federation 1.2 passive profile	Support for SSO to Microsoft Office365, Azure
	Open Format Cookie	Agent-less form of SSO to applications that applications that have less stringent security needs
	Internationalization and Localization	Standardized internationalization with Japanese (initial) localization
Simplify Management	Integrated SiteMinder Web Services Security	Integrated installation of SiteMinder Web Services Security with the Policy Server and Admin UI
	Federation enhancements	Various enhancements: • SAML attribute query • Attribute transformation • UI enhancement for attributes from session store • Log attributes to audit log

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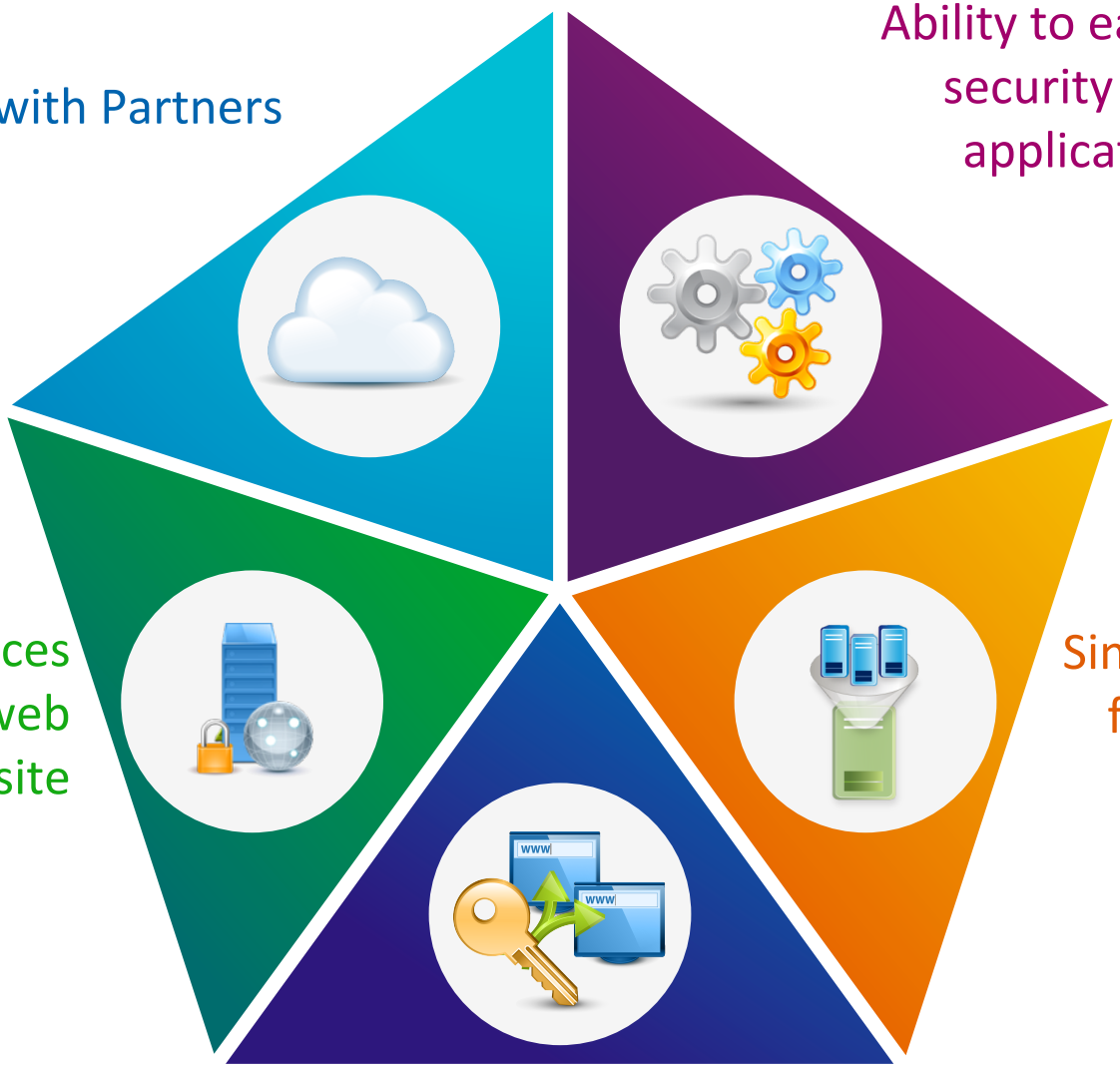
Organizations Have Multiple Needs



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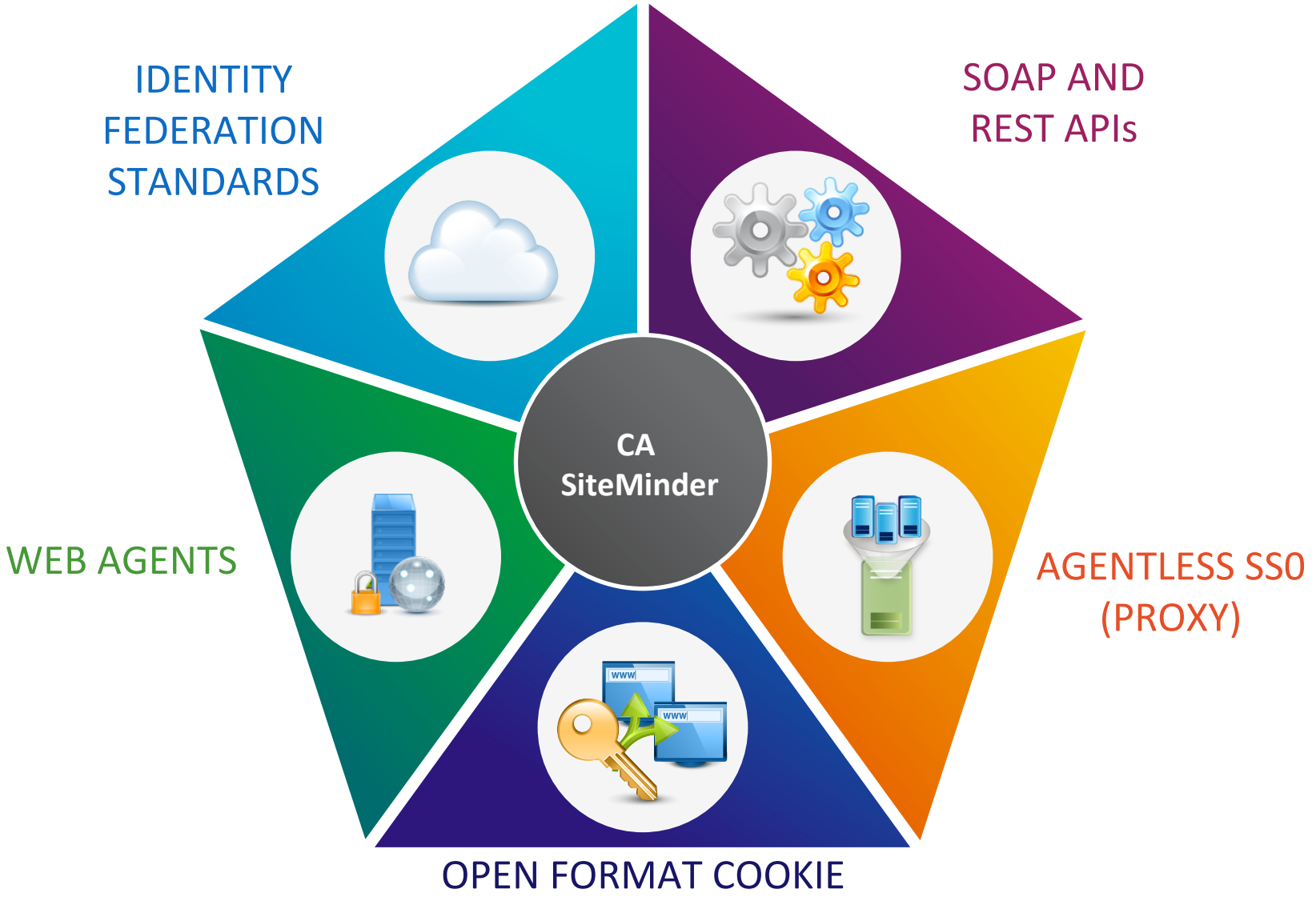
CA SiteMinder – Different SSO Architectures



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CA SiteMinder 12.52 Release Highlights

THEME	FEATURE/DESCRIPTION	BENEFIT
Enable the business	Enhanced Session Assurance with DeviceDNA™	Provides increased defense against session hijacking and replay attacks.
	OAuth 2.0 Enhancements - Enhance ability to consume OAuth 2.0 Access and Refresh tokens. Additional profiles for LinkedIn, Twitter, Microsoft Live.	Simplified wizard driven configuration for configuration of popular OAuth providers.
	Ability to support the eGov 2.0 Profile, including negative assertions, and NameID Management	Provides conformance for Federated applications operating in eGovernment deployments, when users fail to authenticate at the IDP, and to de-provision linked users
	Linking presence of X.509 private key to Session	Increased defense against session hijacking when users use x.509 authentication.
	SAML 2.0 Post Binding - Support for SAML binding for authentication and single logoff profiles.	Increases the range of applications that a customer can federate with to include SaaS applications.
	WS-Fed 1.2 Active Profile Support - Support is required to enable the Microsoft rich client tools, including Outlook, Office 365 client, and mobile apps.	Ability for the end user to leverage desktop applications and mobile devices for Office usage.
Simplify Management	Improved CA SiteMinder® Federation logging	Improved visibility across all steps of a federated transaction
	Enhanced user disambiguation with IWA and Kerberos authentication	Simplifies the management of authentication and access policies when using IWA or Kerberos authentication

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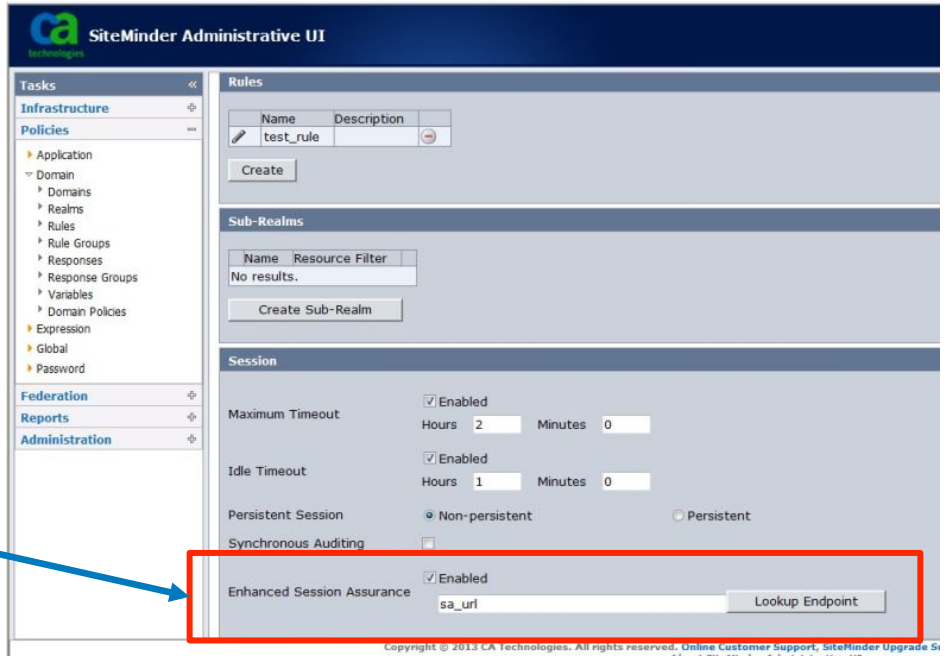
Enhanced Session Assurance with DeviceDNA™

- What:
  - ✓ Patent-pending client identification technology sourced from CA RiskMinder™
  - ✓ Supports CA SiteMinder SSO, CA SiteMinder Federation IdP and SP patterns
  - ✓ Installs with 12.52 Policy Server, Admin UI and CA Secure Proxy Server
  - ✓ Applied on a per realm or per application basis
  - ✓ Session Store required



- Value:
  - – Improves defense against "session hijacking" or "session replay"

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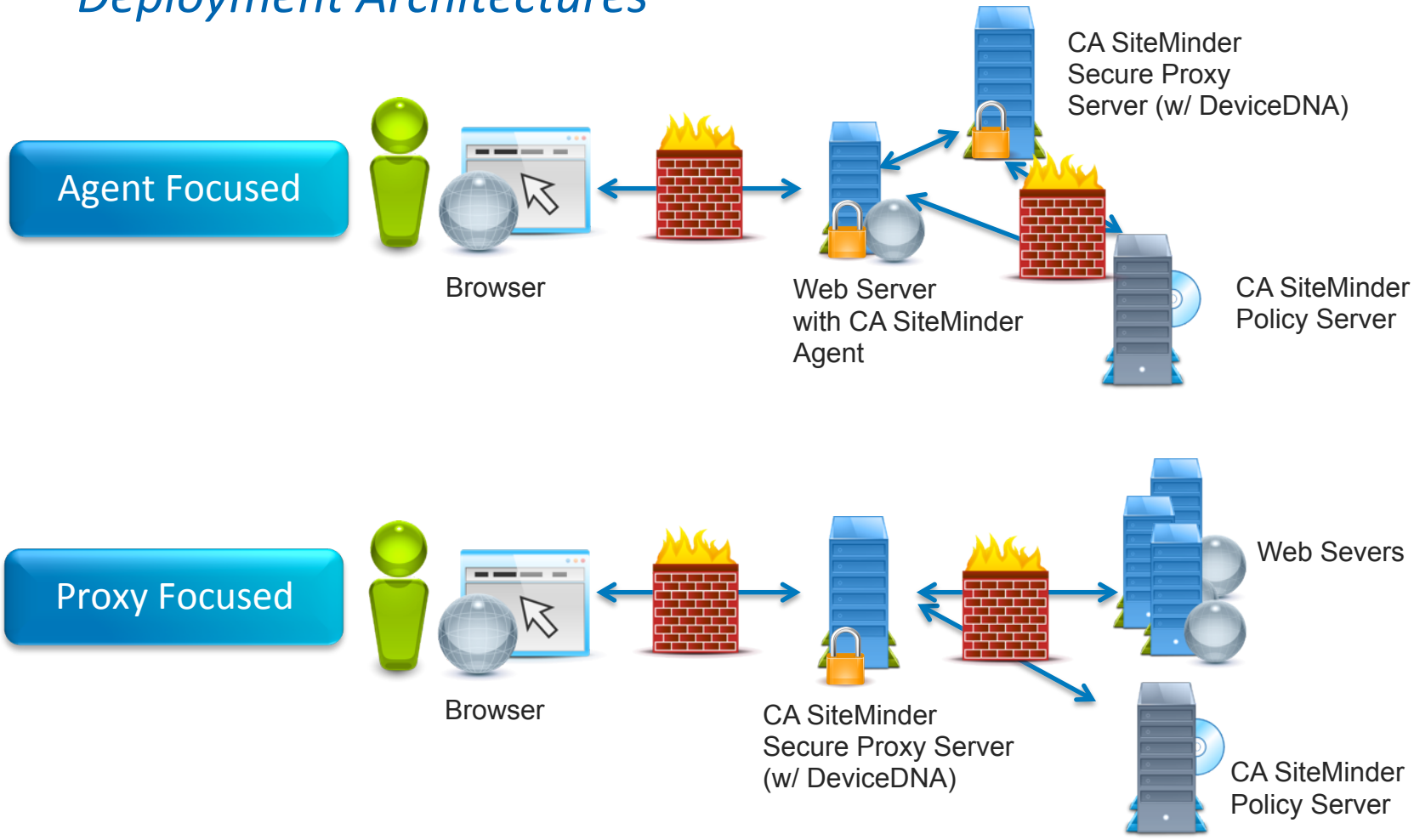
Enhanced Session Assurance with DeviceDNA

Deployment Architectures



Hybrids of Agent and Proxy architectures also supported

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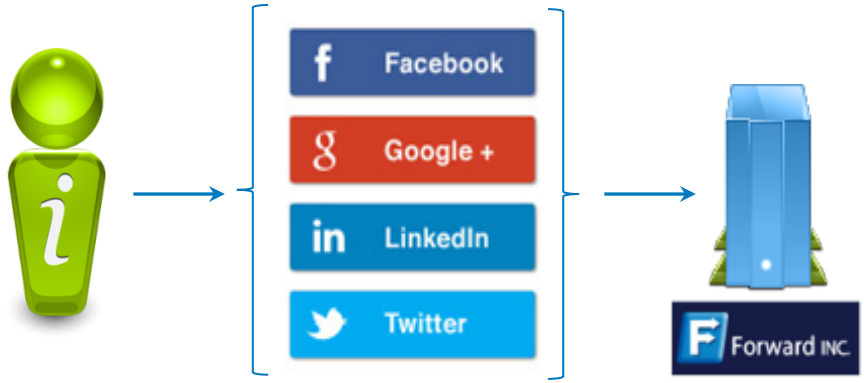
OAuth 2.0 Enhancements

- OAuth 2.0 and 1.0a RP side
- Simpler administration via web UI and Partnerships
- Just-In-Time provisioning integration
- Out of the box pre-validated social provider support:
  - Facebook, Google+, **LinkedIn, Twitter, Microsoft Live**



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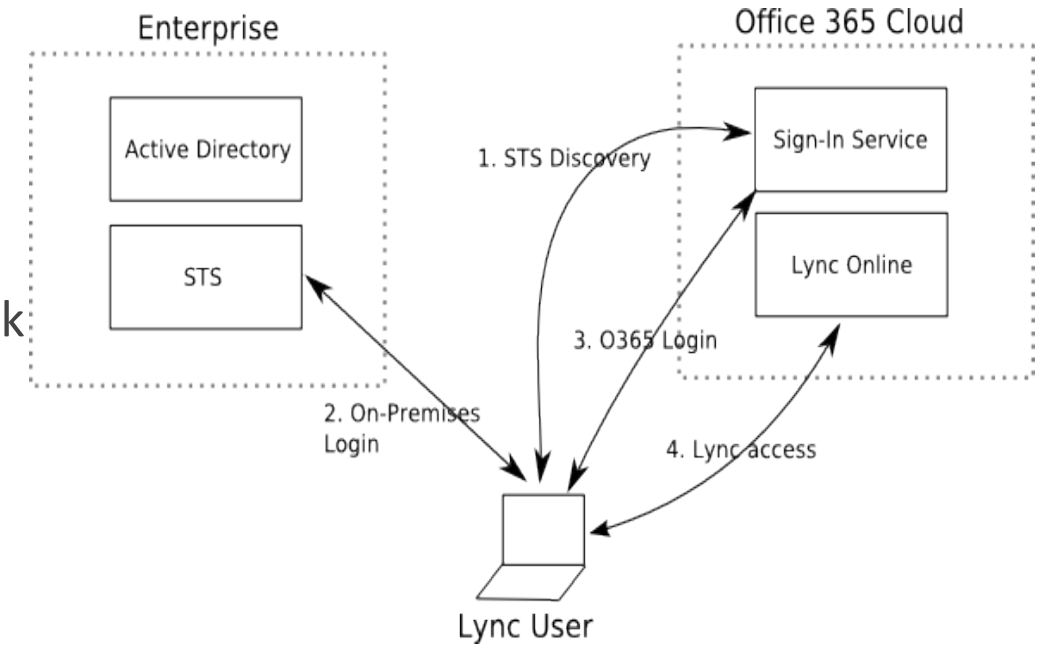
WS-Fed 1.2 Active Profile Support

- Simple administration as part of WS-Fed Federation Partnership
- Verification with:
  - Outlook
  - Office clients
  - Lync
  - Dynamics CRM for Outlook
- "Works with Office365"



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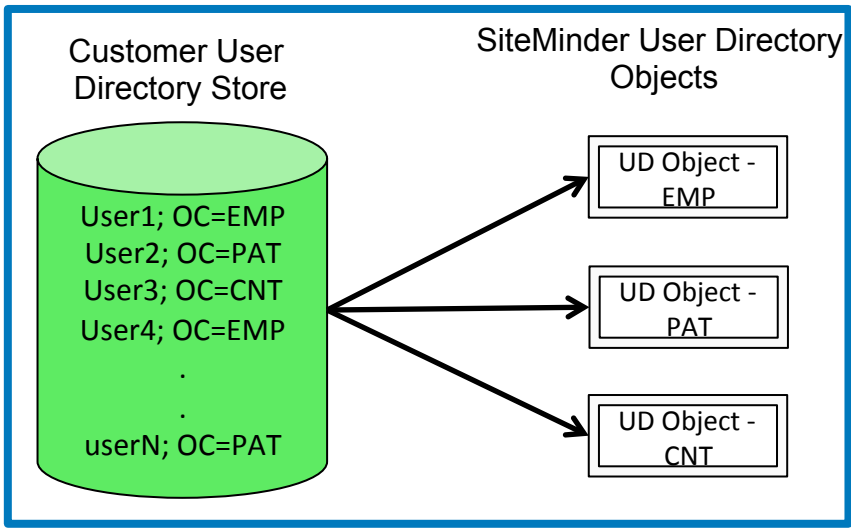
Enhanced IWA and Kerberos Authentication

- What:
  - ✓ User disambiguation occurs within the authentication scheme using lookup filter defined in the user repository object
  - ✓ Supports cross-repository identity mapping
  - ✓ Updated Kerberos scheme documentation
- Value:
  - IWA and Kerberos authentication schemes will be able to disambiguate the user during authentication and make it possible to apply different access decisions based on value of the user repository object (for example, a user record may say a user is an employee or a partner or a contractor)



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Roadmap

CA SiteMinder 12.vNext (Under Consideration)

FEATURE	DESCRIPTION	BUSINESS VALUE
New User Experience	New user experience designed for end users, delegated administrators and power users across multi form factors. Part of a broader CA security initiative	Higher customer satisfaction with better user productivity
SaaS Partner Templates	Federation templates and wizards to federate with various service providers	Reduced time to federate to key service providers
New Web Agent Architecture	Lightweight agent architecture takes the business logic out of the web server plugin	Decreased frequency and complexity of Agent upgrades
Virtual Appliance	Deliver SiteMinder virtual appliance	Eliminate costs related to install and maintenance
Browser Form Fill	Detect an applications login page and stuff a username and password to the application	Decreased integration costs, less modification to applications, SAAS Support
REST Administrative interface	REST based APIs to support all SiteMinder administrative activities	Ability to develop customized UI's and administrative interfaces for specific business functions

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SiteMinder New User Experience
End User, Administration and Federation Templates

Keep **Simple** things **Simple**

and make **Complex** things **Possible**

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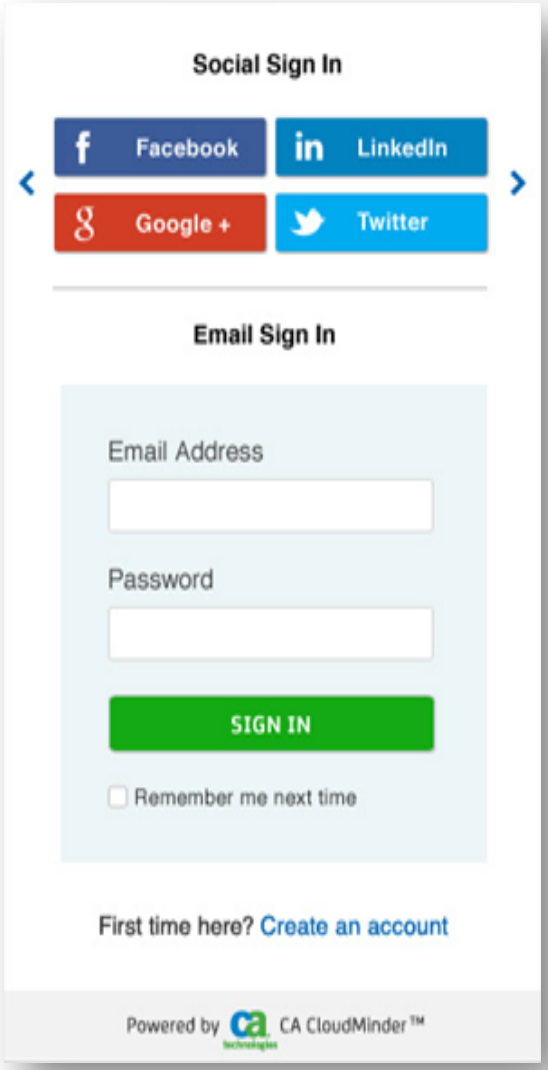
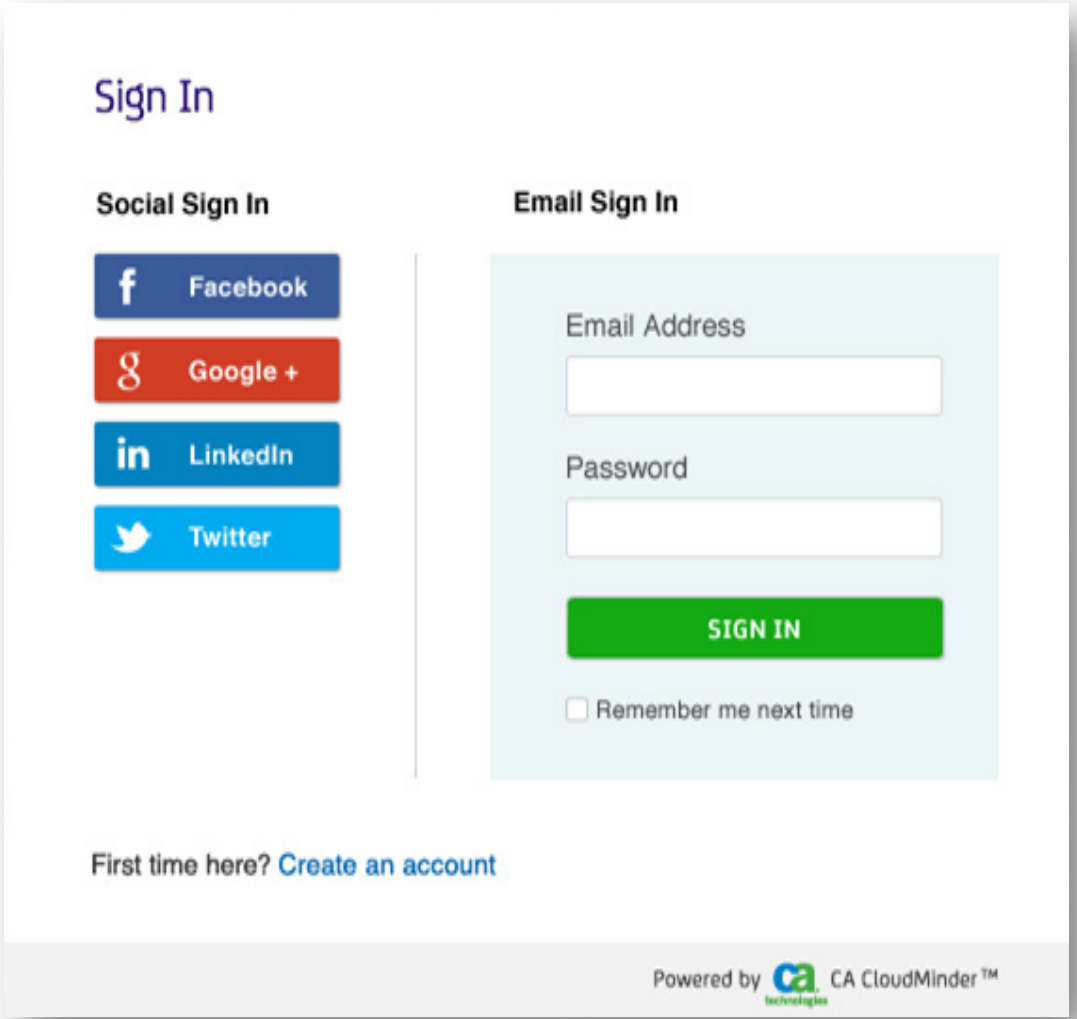
SiteMinder New User Experience
End User, Administration and Federation Templates





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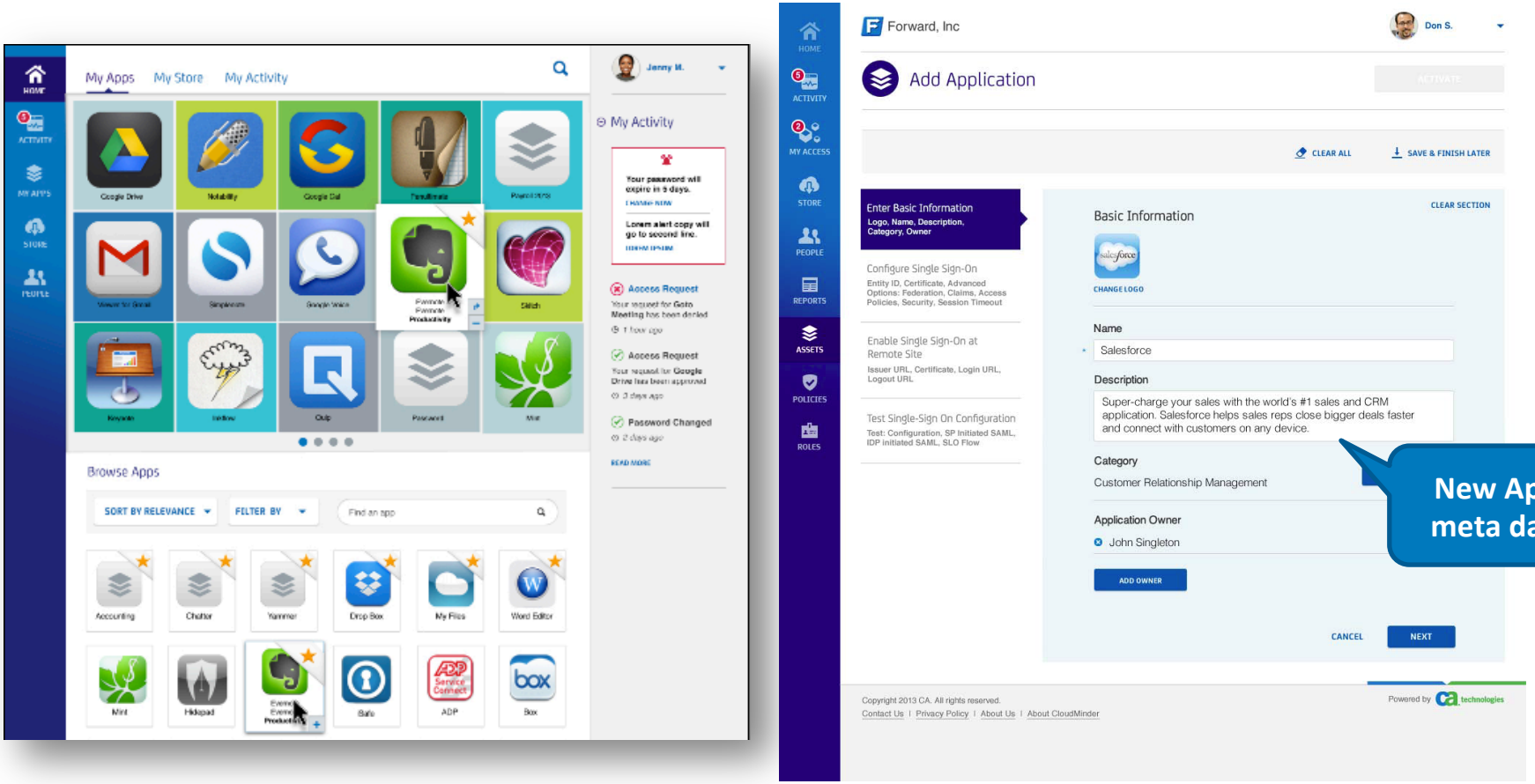
SiteMinder New User Experience
End User, Administration and Federation Templates



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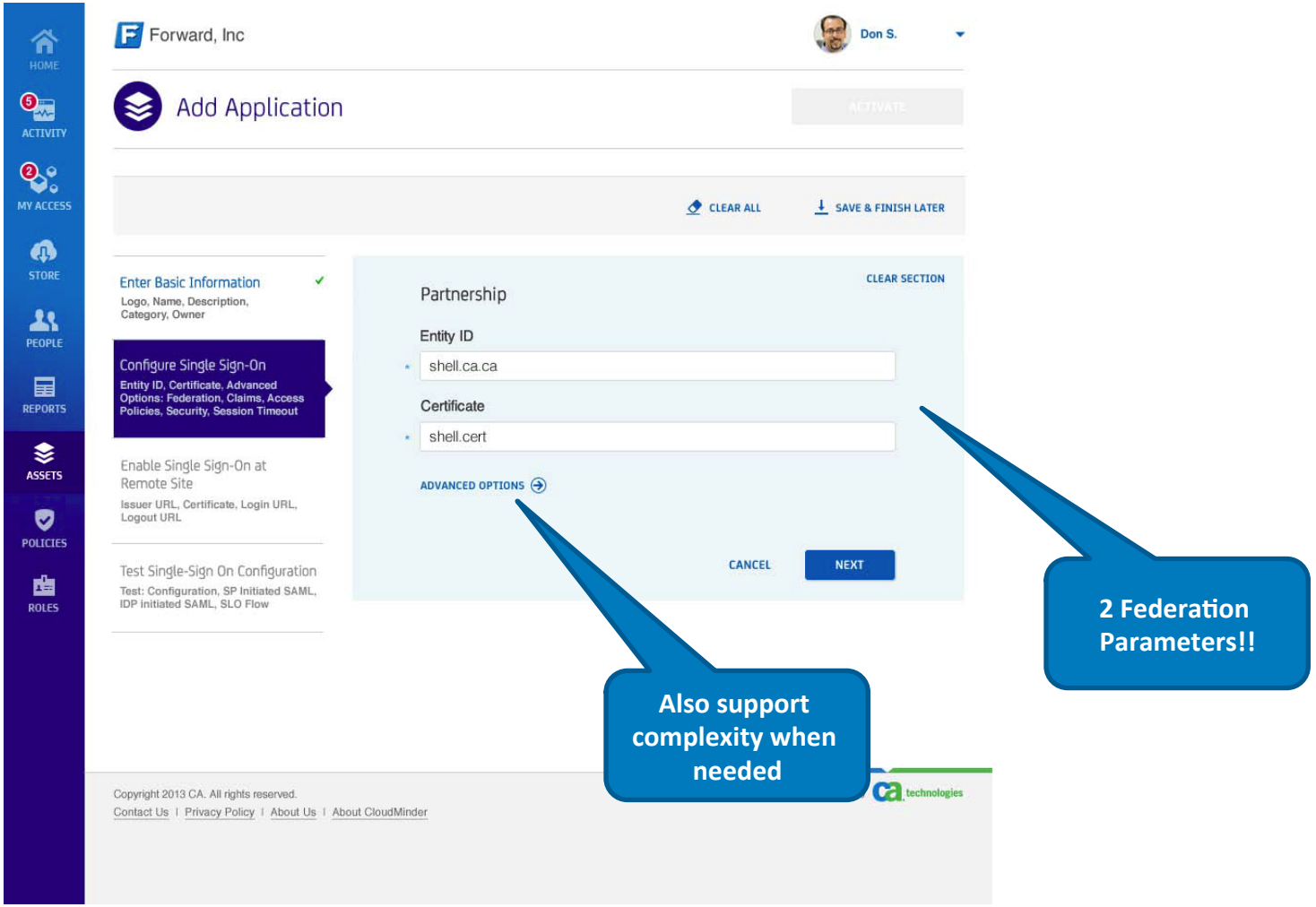
Simple Administration for SaaS Partner Integration



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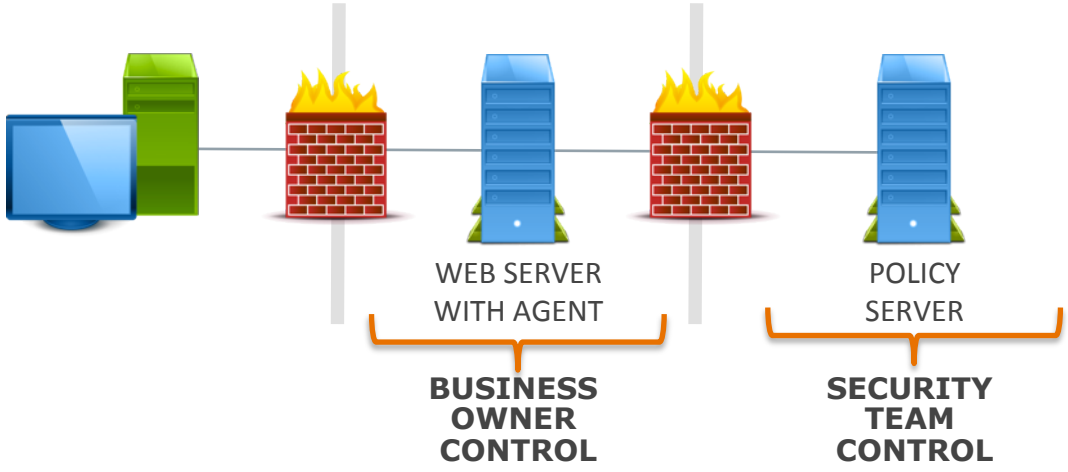
New Web Agent Architecture - Challenges Today

- Security teams own SiteMinder Policy Server operations but typically not the web server/agent environments
- Business owners control web server/agent environments requiring a high degree of cooperation and coordination
- Large numbers of agents make upgrades difficult, time consuming and very costly to rollout



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New Web Agent Architecture - Concept

- Separate agent functionality into web server plug-in and agent logic
- Web server plug-in will be simple adapter mapping the web server environment to the generic agent API
- Generic agent server will be independent of web server deployed
- Agent upgrades in most cases will be accomplished by upgrading the Generic agent server not the web server plug-in

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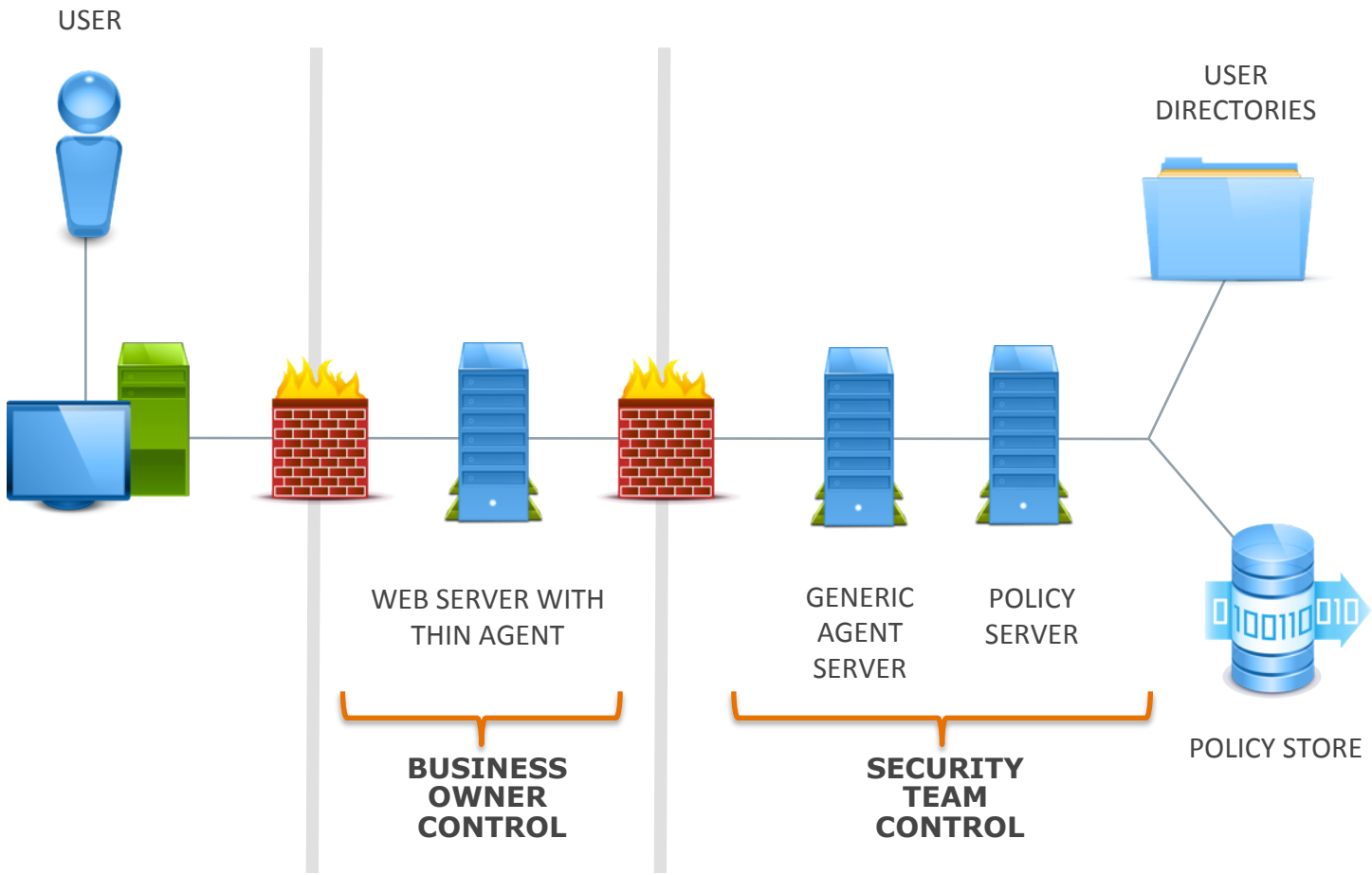
New Web Agent Architecture
Basic Architecture



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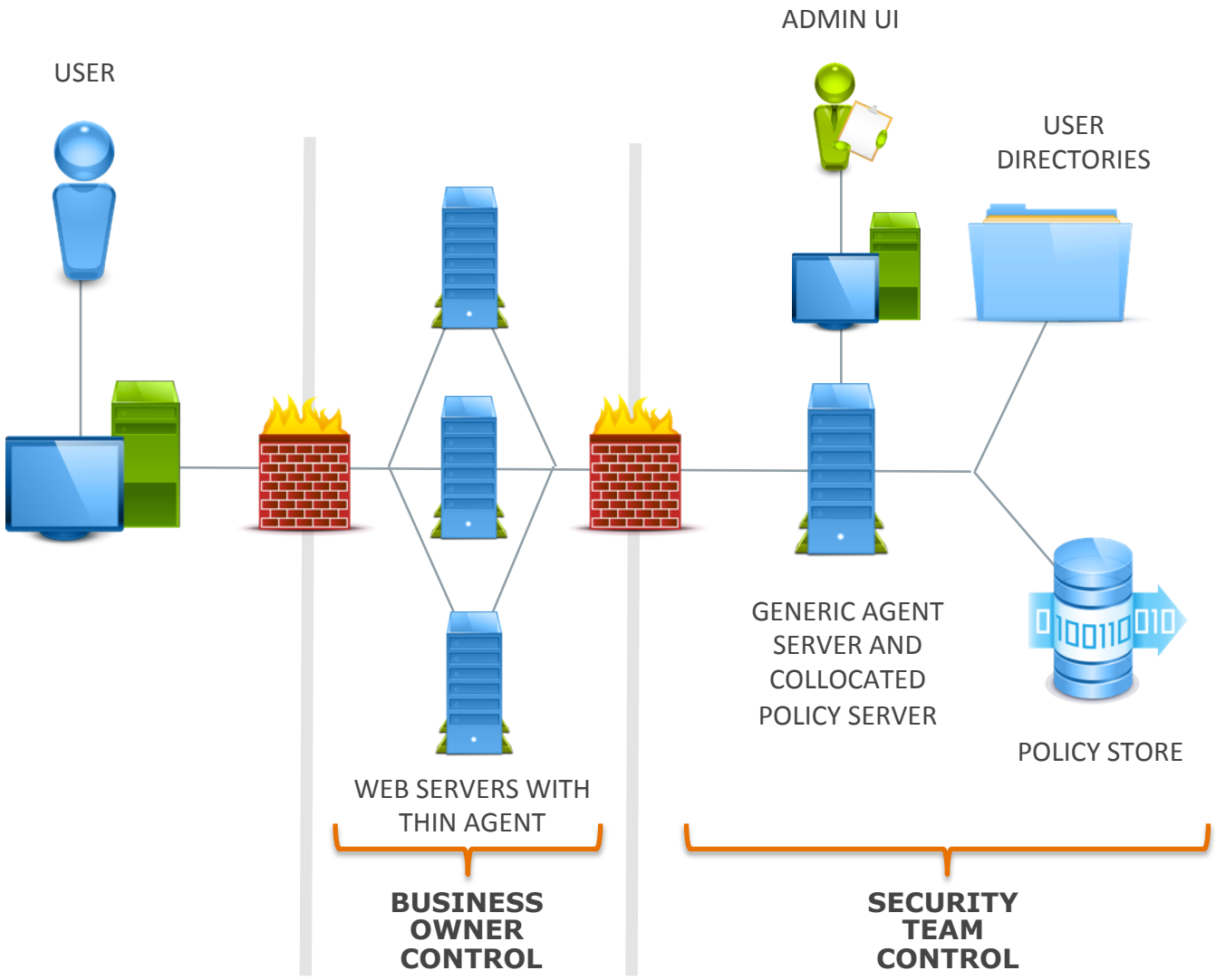
New Web Agent Architecture
Multiple Thin Agents Grouped To Generic Server



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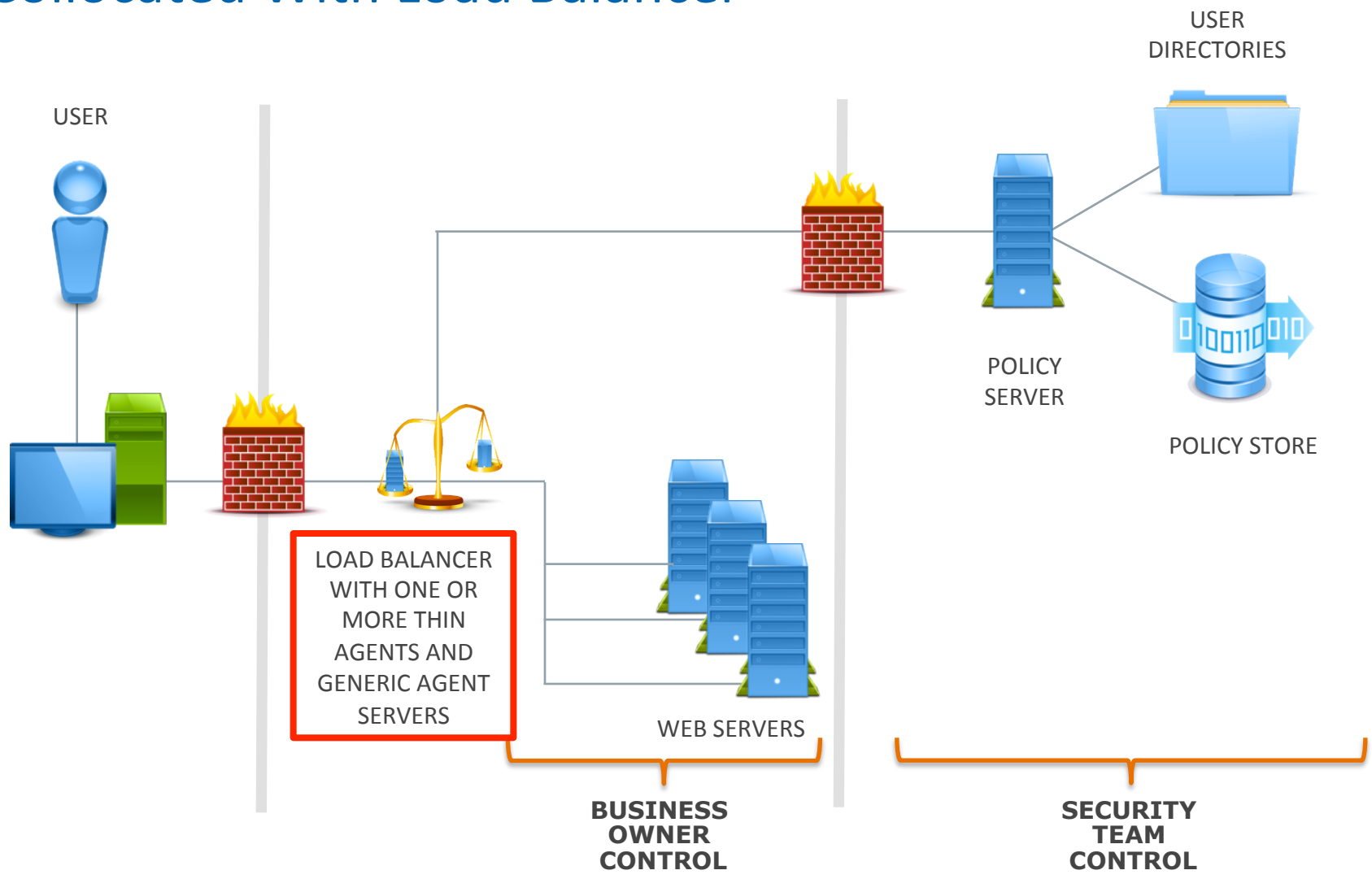
New Web Agent Architecture Collocated With Load Balancer



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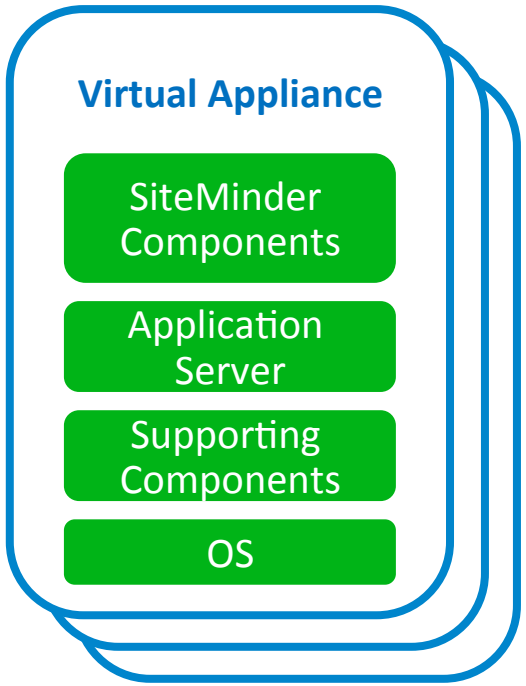
SiteMinder Virtual Appliance

- Pre-packaged, pre-installed, pre-configured SiteMinder components
- Ready for clustering
- Automated security and product updates
- Turn on/off individual SiteMinder services
- Overtime becomes the main approach for SiteMinder deployments



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Other Important Changes

CA SiteMinder Packaging Updates as of 12.52

- The authorized use model has changed from Named Users to a Business User /Consumer User model:
  - New SKUs
    - CA SiteMinder® for Business User
    - CA SiteMinder® for Consumer User
- New user license includes the following:
  - SiteMinder® User
  - CA SiteMinder® Federation User
  - CA SiteMinder® Web Services Security User
  - CA SiteMinder® Secure Proxy Server
  - Includes license for initial Federation Partnerships and Secured Web Services

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CA Security Partner Program

Validated with ca technologies

- Technology Partner Program
  - The formal CA program for technology partners, includes "Validated with CA" option
  - cloudcommons.com/tpp
- Security SaaS Program
  - TPP track dedicated to security interoperability with SaaS Applications
  - ca.com/saas-partner

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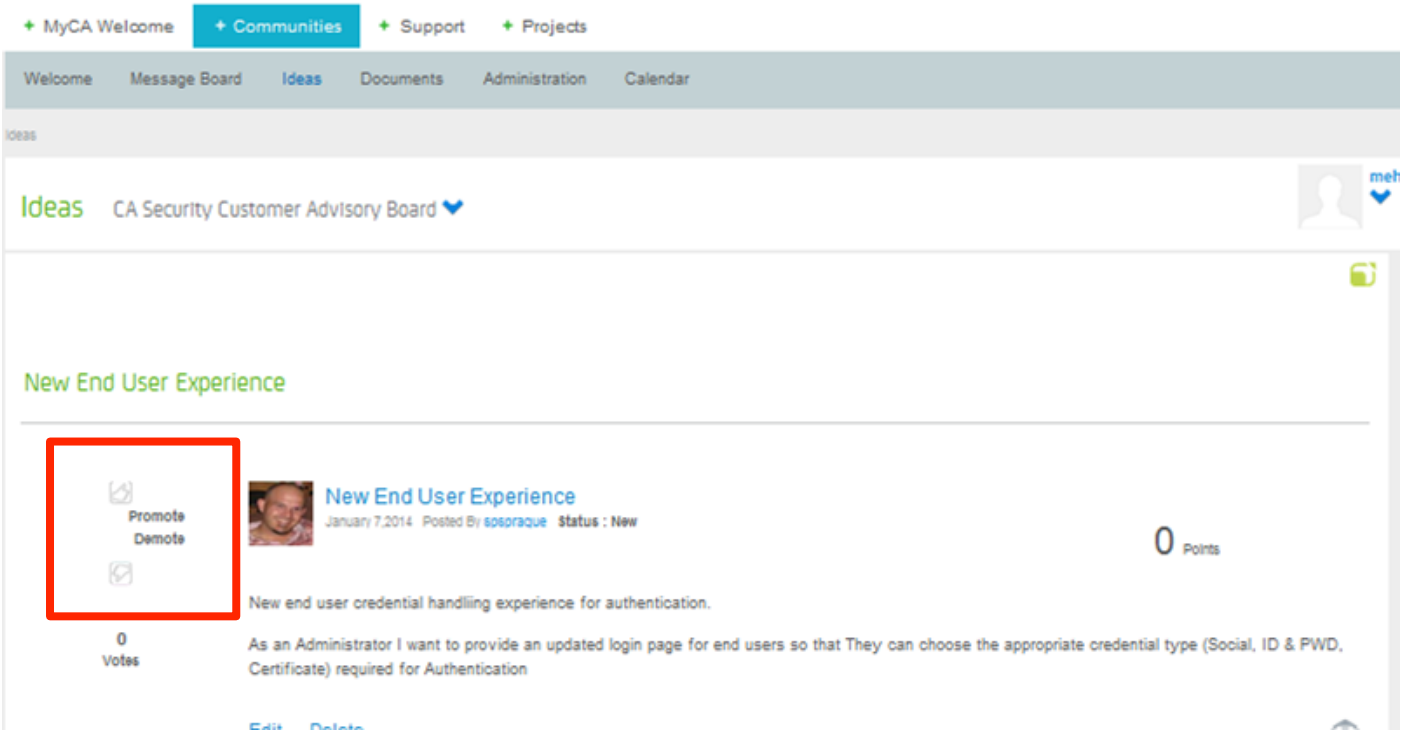
Ideation



Coming in February

- Change in how enhancement requests will be submitted & managed
- Product ideas to be entered on CA SiteMinder Community Site
- Ideas are visible to the community
- Community can promote or demote an idea

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Analyst recognition of CA Technologies as a Security Market Leader

Gartner

CA Technologies is named a leader in the following Gartner Magic Quadrants‡

User Authentication : Ant Allan, March 7, 2013

User Administration and Provisioning: Earl Perkins, December 27, 2012

Identity & Access Governance: Earl Perkins, December 17, 2012

Content-Aware Data Loss Prevention: Eric Ouellet, January 3, 2013

Application Services Governance: Paolo Malinverno, 8 August, 2013

CA Technologies is ranked as "Positive" in the following MarketScope ‡

Web Access Management MarketScope: Gregg Kreizman, December 3, 2012

FORRESTER

CA Technologies is named a leader in the following Forrester Wave reports:

Identity and Access Management Suites: Q3 2013; Forrester Research Inc.; Sep 4, 2013

Risk-based Authentication: Q1 2012; Forrester Research Inc.; Feb 15, 2012[3]

API Management Platforms, Q1 2013, Forrester Research Inc.; Feb 5, 2013[1]

kuppingercole ANALYSTS

CA Technologies is named an "Leader" in these KuppingerCole Leadership Compass reports:

Access Governance: February 2013

Identity Provisioning: Oct 2012

Access Management and Federation: Sep 2013

‡ Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose

[1] Layer 7 was acquired by CA Technologies in June, 2013

[2] http://bit.ly/10A8yNZ

[3] Version 2.2.6 evaluated in September 2010

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Questions

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Recent Release Milestones

- August 2012:
  - CA SiteMinder Secure Proxy Server 12.5
    - Feature release – UI, enhanced proxy rules, monitoring, session linking , instance discovery
- October 2012:
  - Standalone version of SiteMinder Federation 12.5
    - Feature release – Admin SOD, Cert mgmt., attribute mapping, eGov, auth context
- November 2012:
  - CA SiteMinder Agent for SharePoint 12.5 SP1
    - Minor features and defect fixes
- December 2012:
  - CA CloudMinder™ SSO service
- April 2013:
  - CA SiteMinder Family 12.51 (Core SiteMinder, SiteMinder Federation, SiteMinder Web Services Security)
- 2013 to date: Release of 100+ certifications across apps, repositories, operating systems (including SharePoint 2013)

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For More Information:

- For a free reprint of analyst reports:
  - Forrester Research:
    - https://www.ca.com/us/register/forms/collateral/forrester-wave-identity-and-access-management-suites-q3-2013.aspx
  - Kuppinger Cole:
    - https://www.ca.com/us/register/forms/collateral/kuppingercole-leadership-compass-access-management-and-federation.aspx
  - Demonstration video of Enhanced Session Assurance with DeviceDNA:
    - http://youtu.be/S0Atd_JFML0

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