



Secure Enterprise 2.0 Working Group

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AGENDA

- Why was the Secure Enterprise 2.0 Working Group formed?
- The Secure Enterprise 2.0 Working Group goals
- What has been done so far?
- Next steps



This is Where People Spend Their Time...



And Then They Go To Work...

General Ledger Transaction

Journal Type

- Billing
- Disbursement
- Employee Payroll
- General
- Purchase (Accts Pay)
- Receipt
- Other

Transaction

Date: 12/31/2003

Number:

Balance:

New Abort

High Entry Save

List Quit

Enter Vendor by Id Code

Line Item

Distribution Allocation

Distribute via Allocation

Total Basis:

Total Value:

Contract:

Vendor:

Invoice:

Account:

Distribution: Auto Balance

Amount:

Status: New Line

Support

Contracts Vendors **Accounts** Invoices

Account:

Description:

New

Account	Description
1100	CASH - IN BANK - REGULAR
1102	CASH - SAVINGS
1105	CASH - PAYROLL ACCOUNT

Recordset

Contract	Vendor	Invoice	Account	Amount



But This is Changing

Web 2.0 Goes To Work



Consumer Tools Go To Work

86% of corporate end users already **use** at least one
consumer technology in the workplace

Source: Yankee Group



Consumer Tools Go To Work

78% of IT organizations **are concerned about** the risks of employee-driven, unsanctioned use of **Web 2.0** tools and technologies

Source: Forrester Research



Consumer Tools Go To Work

50% of respondents said they "customize their work environment moderately or aggressively" (including the use of unsanctioned tools) and will continue to do so.

Source: Gartner Research poll



Consumer Tools Go To Work

Facebook company **networks** typically include **tens of thousands** of employees



On The Other Hand...Web 2.0 is Still “Web”

- Web applications have been in enterprise use for over a decade
- Attack vectors are well understood
 - XSS
 - CSRF
 - SQL Injection
 - DoS
 - Phishing
- Best practices are tried and true

So why are we here?



But Web 2.0 is Different



Secure Enterprise 2.0 Working Group Goals

- Promote Awareness
 - Promote the business opportunity – generate awareness around the secure use of Web 2.0 services and technologies to do business
 - Publicize information about the risks associated with the use of Web 2.0 services and technologies for business
- Develop Policy and Best Practices
- Deliverables
 - Case studies
 - Recommendations
 - White papers
 - Policies and best practices
 - Standards



What Have We Done So Far?

- Three Meetings and a web conference – London, New York, Chicago
- Deliverables
 - Business Case Study Repository – approximately 10 cases where Web 2.0 technologies are being used securely to solve business problems
 - Technology Risk Document – first draft of a document that catalogs Web 2.0 risks



Sample Case Studies

- Retail bank using secure widgets to do business with customers
- Multinational bank using Facebook securely to foster collaboration among employees working in different countries
- Multinational consultancy that allows consultants to report billable hours to an SAP system via secure widgets
- Book publisher that publishes personalized product and event updates to book stores. Stores can then order products via secure widgets
- Manufacturing company where managers can approve purchase requests in an SAP system via secure widgets
- Company that provides Sharepoint document and task updates through Facebook
- Cable TV provider that lets customers order VOD from secure widgets running on the desktop, personalized homepages (web), or mobile devices
- Telecom operator that lets customers view account details and pay their bills via secure widgets



Sample Threats

- Cross Site Scripting (XSS)
- Cross Site Request Forgery (CSRF)
- Phising
- Information Leakage
- Injection Flaws
- Information Integration
- XML poisoning
- Malicious AJAX code execution



Next Steps

- Case studies
 - Add new case studies to the repository
- Risk Library
 - Refine the risk document
 - Add documented exploits
 - Publish techniques for mitigation
- Develop a white paper describing the current state of Web 2.0 security
- Publish best practices for using Web 2.0 technologies in the enterprise covering
 - Acceptable use policies
 - Policy enforcement
 - Liability
 - Intellectual property
 - Deployment architecture
 - Security
 - Integration
- Present case studies and findings at future events



Get Involved





Thank You

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