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Catalyst 2002 SAML InterOp

July 15, 2002
San Francisco

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Netegrity

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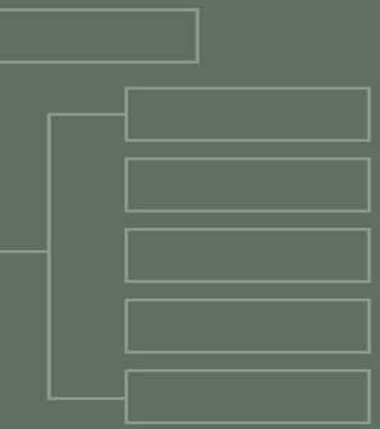
Agenda

- SAML Intro
- SAML Status
- SAML InterOp Details
- Relationship to other efforts



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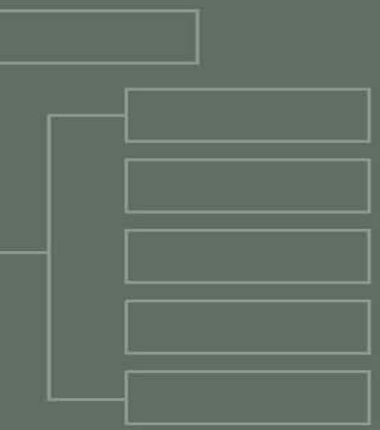
What is SAML?

- Security Assertion Markup Language

- Framework for exchange of security-related information - e.g. assertions
- These assertions about authentication and authorization are expressed as XML documents

What problem does it solve?

- Identity Federation
  - Provides technology to allow a business to securely interact with users originating from its vendors, suppliers, customers etc.
- Fine Grained Authorization
  - Users may authenticate at one site and be authorized by another



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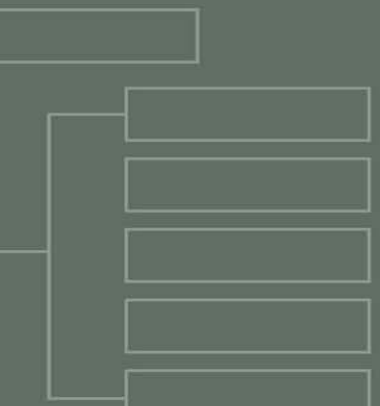
What are SAML Profiles?

- A “profile” describes how SAML should be used to solve some business problem
- Web browser profiles for Single-Sign On
  - Part of SAML 1.0
- WS-Security profile for securing web services
  - Currently under development by the SSTC



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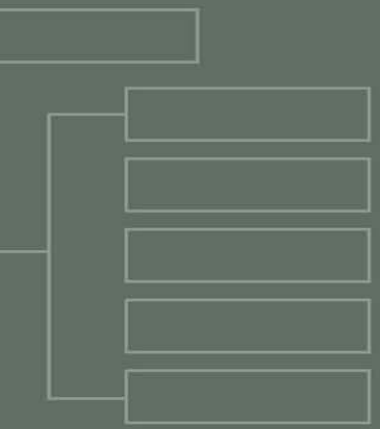
SAML is NOT…

- A new form of authentication
- An alternative to WS-Security
- Limited to legacy applications
- Limited to web browser applications
- Limited to web services security



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SAML Status

- Developed within OASIS by the security services technical committee (SSTC)
- SSTC voted to accept as committee specification on 16 April 2002
- Submitted to OASIS for acceptance as an OASIS standard on 28 May 2002
  - Anticipate approval 1 Nov 2002
- Several products available today with many announced for near future

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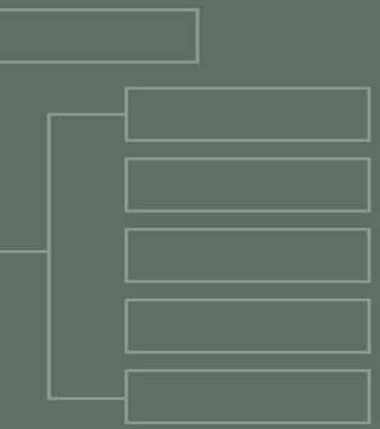
SAML InterOp Details

- 12 Vendors --- Baltimore Technologies, Crosslogix, ePeople, Entegrity Solutions, IBM/Tivoli, Netegrity, Novell, Oblix, OverXeer, RSA Security, Sigaba, Sun Microsystems

- Each vendor implements the SAML web browser profile for SSO



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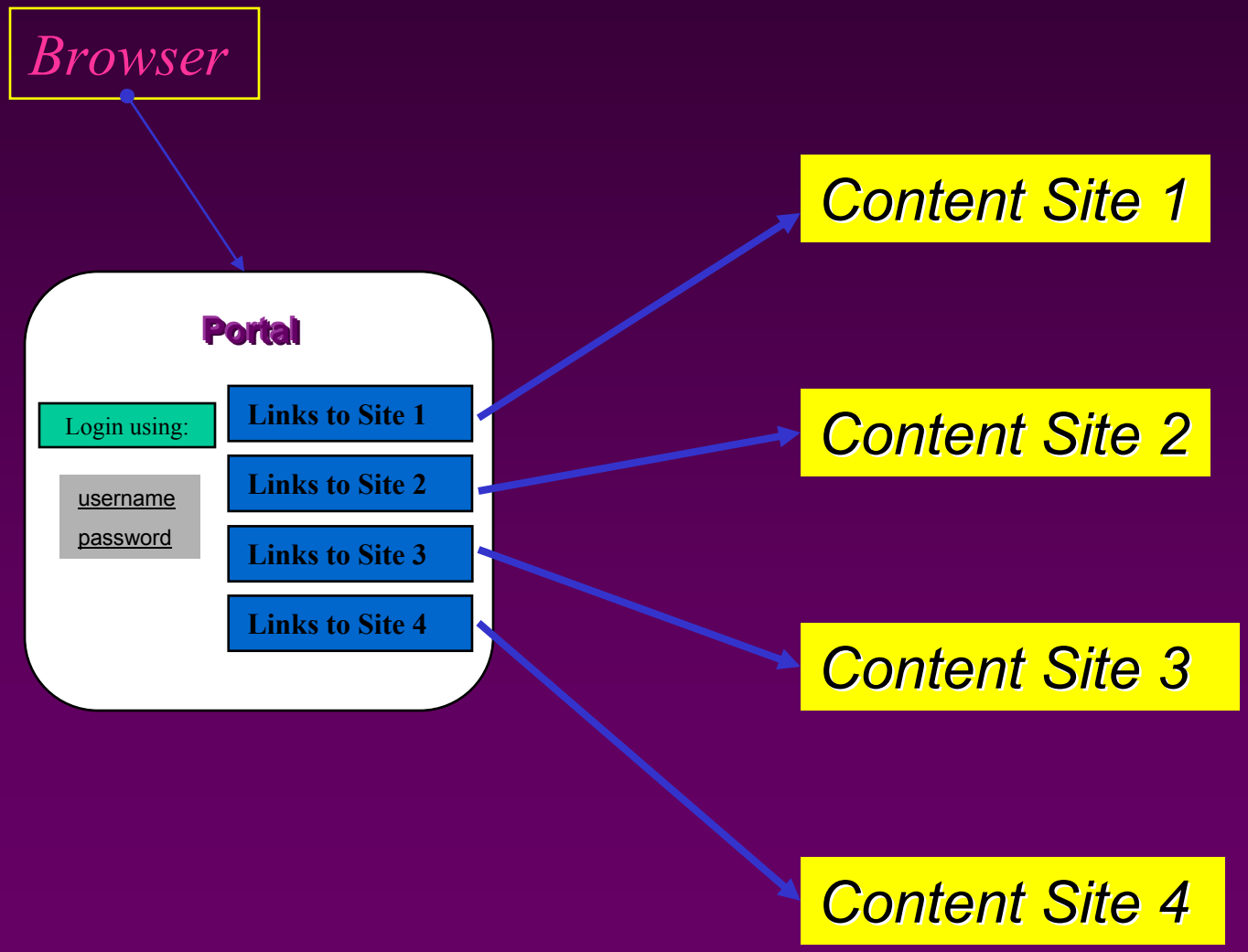
Types of Sites in the InterOp

- Portal Site
  - Simulates a govt. or enterprise portal
  - User logs into portal and selects services or content available from “other” sites
- Content (Application) Site
  - Simulates a service or content provider
- Most vendors implement both types of sites

interOp Flows



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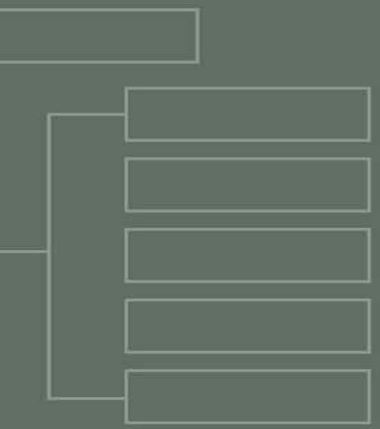
Demonstration Scenario

- Sign on to any portal
- Click thru to any content site
- Content site will display user attributes transmitted from portal and generate appropriate content



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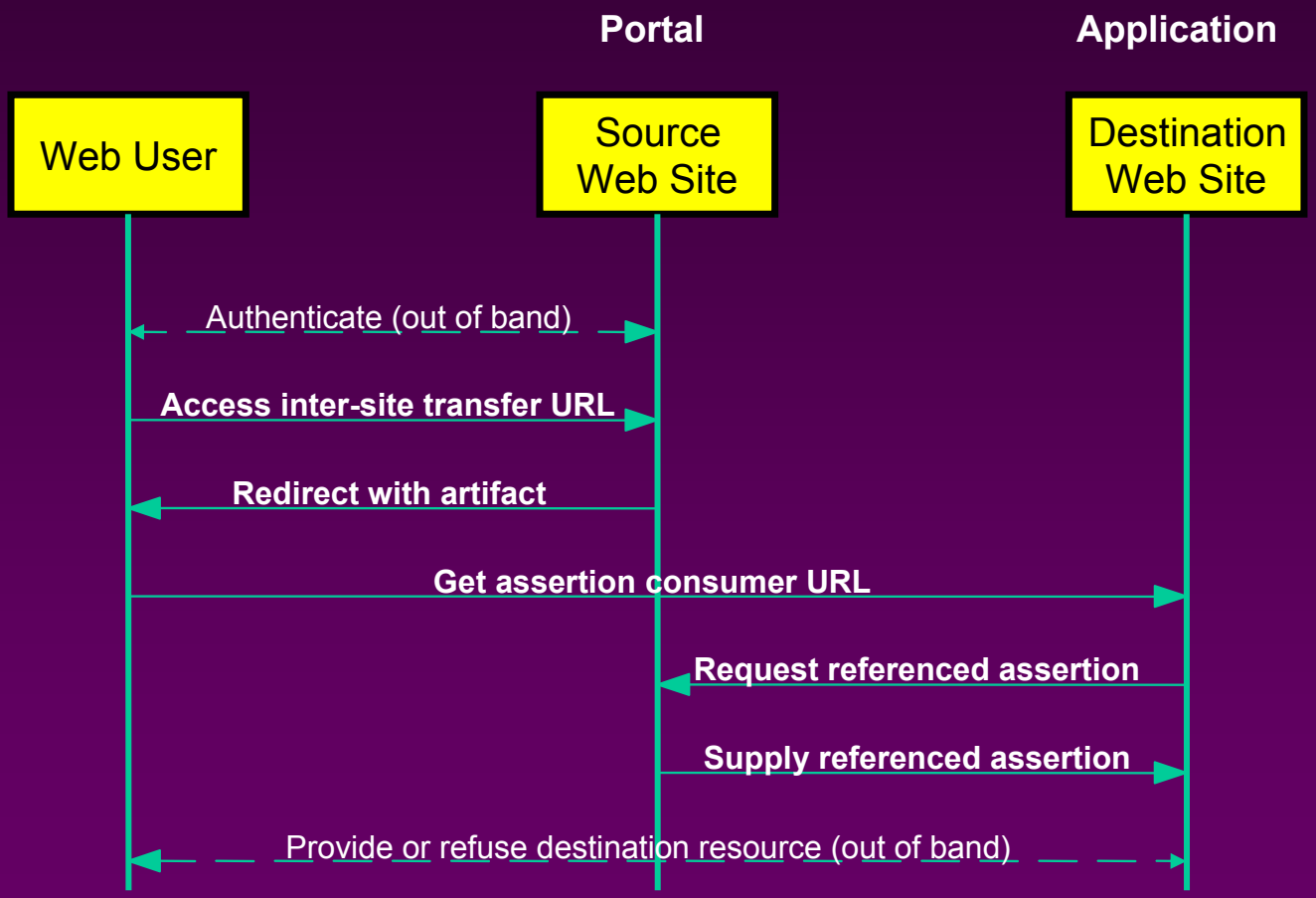
InterOp Message Exchange



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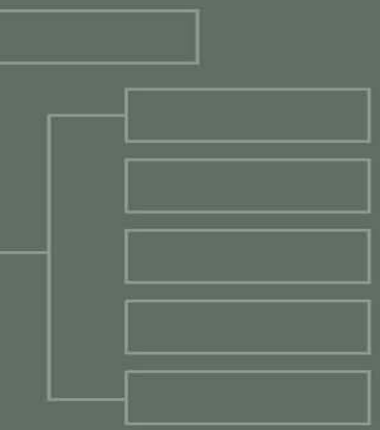
Browser Profile vs. MS Passport

- MS Passport requires use of single site where users must authenticate
  - SAML browser profile allows user's to authenticate at their "home site" portal
- MS Passport requires proprietary software at content site
  - Software from any vendor implementing SAML browser profile can be used at portal or content sites



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SAML and Liberty Alliance

- Builds on SAML and Web Browser Profiles
- Explicit policy framework for federation
- Adds additional protocol layers
  - logout, where-are-you-from service

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Credits

- Hard work by all demo participants
- Equipment and Software provided by: RSA Security, SUN Microsystems, Baltimore Technologies
- Special thanks to: Don Bowen, Rob Philpott, Irving Reid

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InterOp Users

- User: alice, Password: alice
  MemberLevel: bronze
- User: ravi, Password: ravi
  MemberLevel: silver
- User: joe, Password: joe
  MemberLevel: gold