OSIS
Open Source Identity Systems

Overview, Purposes, Directions

RSA Pre-conference Workshop
Harnessing the Power of Digital Identity: 2009

and the Promising

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Road Ahead

What is OSIS?

- ➲ Open *… public calls, public mailing lists, anyone can participate – please do.*

- ➲ Source *… coordinates real projects that produce working code – not protocols.*

- ➲ Identity *… we work on identity systems, we don't build file systems or compilers.*

- ➲ Systems *… we coordinate multiple implementations and projects supporting multiple protocols.*

- No Logo
- No Membership
- No Dues
- No IP Assignment
- No T-shirts
- No Foundation
- No Announcements
- No Press Releases

What?

How can OSIS be useful without all that stuff?

Formally, OSIS is a Working Group of the Identity Commons

➲ http://osis.idcommons.net

➲ Purpose is *"to enable open source identity software projects to work independently, but in alignment, so overlap of work is avoided and the parts developed by different projects will fit."*

➲ Operation:

- Establish architectural agreement on the key interfaces between the various open source identity software and service components under development
- Synchronize the open source identity software projects in a manner that avoids unnecessary duplication of efforts and reduces the potential of forking
- Assist in the assembly and quality assurance of distributions and products that use components from multiple projects
- Track and resolve cross-project issues as they arise
- Operate an electronic collaboration infrastructure (mailing lists, wikis, issue tracking systems, etc.) to support this effort

OSIS in Practice

- ➲ A group of project representatives that meet for bi-weekly phone conferences

- ➲ A set of mailing lists

- ➲ A wiki to capture documentation, project capabilit-ies, interoperability matrices

- ➲ Joint working sessions to test and debug com-ponents from multiple projects

- ➲ See http://osis.idcommons.net

Why?

Identity systems must be made up of multiple interoperable components to be meaningful

OSIS Ensures Identity System Components are Interoperable

➲ Working through the implementation details.

➲ Using proven advantages of open collaboration -- rough consensus and running code.

➲ Forum for experimental features

➲ Resolve ambiguous or incomplete specifications

➲ Identify IPR policies that allow for open source implementations

➲ Coordinate interoperability testing events

How has it worked?

OSIS accomplishments so far...

➲ 5 Interoperability testing periods over 3 years, with concluding events at major industry conferences

➲ 59 participating vendors and projects

➲ 84 publicly accessible solutions (protocol end-points operating in a particular role)

➲ 251 specific tests for interoperability and feature coverage of Information Card and OpenID systems

➲ Over 800 test result slots in the overall matrix set

➲ Still no t-shirts

OSIS Interop 1

- ➲ Suggested by Jamie Lewis, Berkman Conference 2006
- ➲ Some concerns about IPR, soOSIS collaborated with Microsoft regarding the Open Specification Promise

- ➲ Internet Identity Workshop to Cata-lyst, May to June 2007

- ➲ 24 organizations and individuals par-ticipated

OSIS Interop 2

- Started at Digital Identity World, September 2007
- Concluded at Burton Catalyst Barcelona, Oct
- Fourteen projects and organizations participated:
  - 6 identity selectors
  - 13 identity providers
  - 24 relying parties.
  - 6 OpenID providers
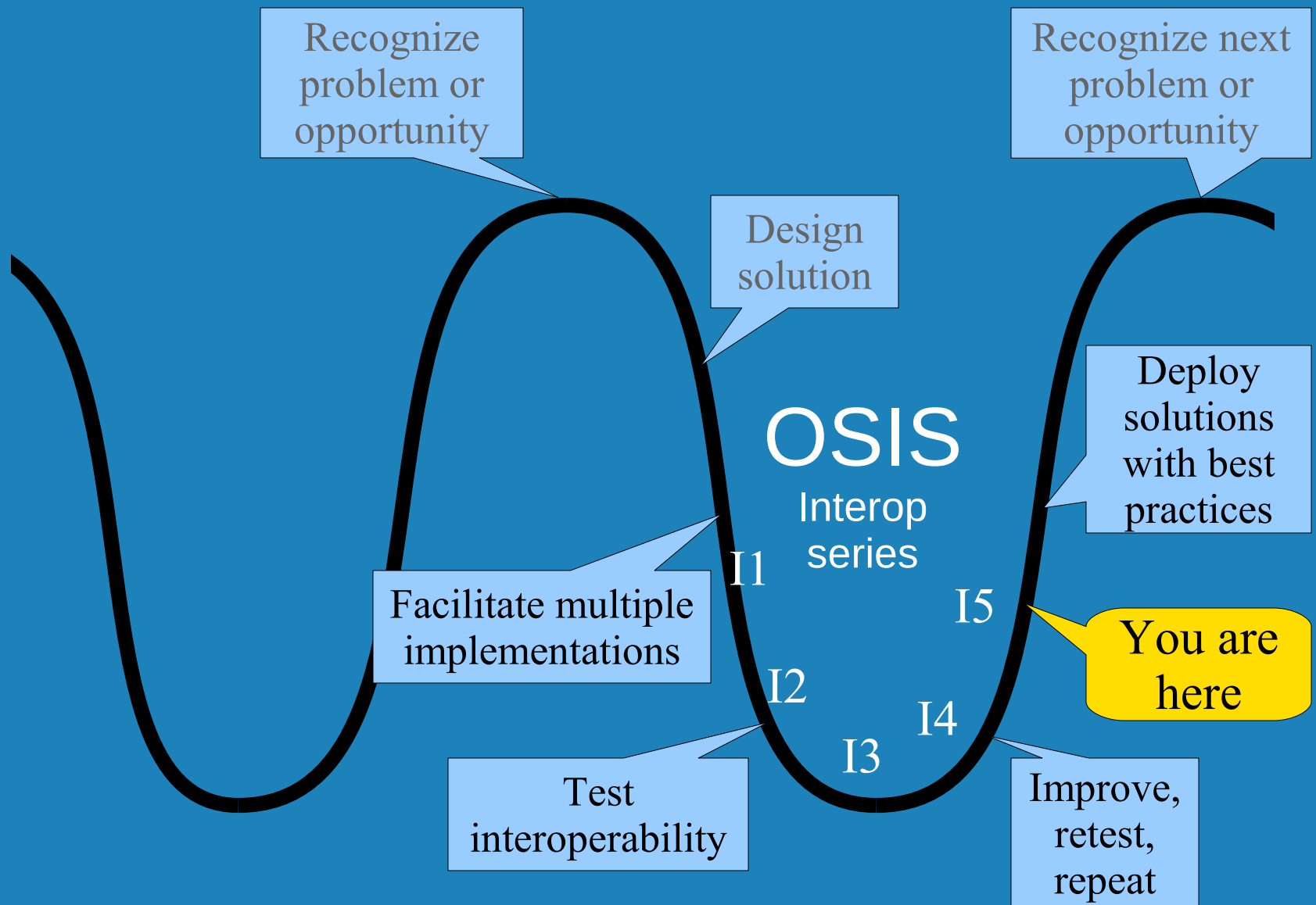 - 5 OpenID relying parties

OSIS Interop 3

- ➲ Started at the Internet Identity Workshop, Dec 2007
- ➲ Concluded at the RSA Conference, Apr 2008
- ➲ Additional large participants: AOL, Yahoo, Google
- ➲ Greatly expanded test cases for information cards and OpenID
- ➲ Expanded focus on emerging areas, new features
- ➲ 38 direct participants were made up of 26 companies, 3 individuals, and 9 projects.
- ➲ Detailed analysis available from Nulli Secundus
  - http://www.nulli.com/resources/documentsofinterest.php#I3Interop

OSIS Interops 4 and 5

- ➲ Interop 4 increased emphasis on feature tests and concluded at Digital Identity World 2008

- ➲ Interop 5

  - Greatly expanded OpenID tests

  - Additional information card features in conjunction with OASIS technical committee drafts

  - Concludes at the RSA Conference, Apr 2009

User-Centric Identity Interop at RSA 2008

Companies

FuGen Solutions • Novell • TrustBearer Labs • vidoop • ORACLE
Microsoft • YAHOO! • IBM • fun communications • JANRAIN • six apart
PARITY • plaxo • Google • VeriSign • AOL
zend The PHP Company • a.t.e SOFTWARE • Ping Identity • ooTao • SIEMENS
thinktecture • Fraunhofer Institute for Open Communication Systems • SXIP IDENTITY • NetMesh • NULLI SECUNDUS INC. second to none
ca • Sun microsystems • WSO2 Oxygenating The Web Service Platform • LINK SAFE • ThoughtWorks • Cordance • orange

Projects

OpenID • SignOn.com BETA • DISO Distributed Social Network • open XRI
openinfocard • identityModel www.leastprivilege.com • inames • SourceID
<![CDATA[zone.org]]> • Bandit
Shibboleth • identitycommons • Francis Shanahan.com
XMLDAP
SharpSTS • /* THE Pamela PROJECT */ • LID
myOpenID • Yadis • Higgins
myvidoop • OpenSSO Open Access . Open Federation

OSIS Interop 5: OpenID

- Overview of tested features and results

- Presented by John Bradley

- http://osis.idcommons.net/wiki/I5:Overall_Results

OSIS Interop 5: Information Cards

- ➲ Overview of tested features and results

- ➲ Presented by Mike Jones

- ➲ http://osis.idcommons.net/wiki/I5:Overall_Results

OSIS Interop 5 concludes here today

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What's

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What's next?

osis.idcommons.net