Open Health Tools (OHT)
IHE Profiles Project
(formerly Eclipse OHF)

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About OHT

- **About Open Health Tools**
  - Open Health Tools (OHT) is a new *healthcare-centric* open community, started in 2007 dedicated to the design and development of open standards-based healthcare information technology
    - Founded by Skip McGaughey, modeled after Eclipse
    - Membership in OHT already includes: US Federal Government Department of Veterans Affairs, Canada Infoway, UK National Health System, Australia NEHTA, IBM, Oracle, Eclipse, BT, HL7, IHTSDO, Misys, OMG, Red Hat, among others

IHE Profiles Project

- **API implementation of IHE client-side actors**

- **Free, open source software**
  - Company-friendly Eclipse Public License

- **Two integration paths:**
  - Eclipse plug-ins for native Java
  - Simple Web service Bridge for non-Java

- **Strong user community**
  - 15+ vendors have tested OHF/OHT at Connectathons

Why move from Eclipse?

○ Eclipse is a great technology incubator, but not (yet) great for industry vertical technology

● OHF was a hodgepodge of loosely-coupled health-focused projects

○ With no plan to pursue any integration

○ OHT provides a much greater opportunity to pursue healthcare-focused projects

What stays the same

○ **Overall code base is mostly unchanged**
- ● Both Eclipse plug-ins and Bridge remain
- ● Existing users will need minimal updates
- ● Changes required for CPs, ATNA, new profiles, and Java packaging

○ **License, source vetting, IP indemnification**
- ● Eclipse Public License
- ● OHT Development Process almost identical to Eclipse Development Process

○ **Committer and user-driven community support**
- ● Pre-Connectathon/MESA Support
- ● At-Connectathon Support

○ **Binary build availability**

What's different …

- **New Web site**
  - http://iheprofiles.projects.openhealthtools.org

- **Support mechanism changes**
  - Subversion (vs. CVS)
  - Discussion Forums (vs. NNTP Newsgroup)
  - Issue Tracking (e.g. new Bugzilla)

- **Source refactor w/new package name**
  - org.openhealthtools.ihe (Core plug-ins)
  - org.openhealthtools.ihe.bridge (Bridge)

- **New profile support**

IHE Profiles/Actors Supported

○ **PIX/PDQ/PDVQ v2**
  ● Patient Identity Source
  ● PIX/PDQ/PDVQ Consumer

○ **XDS.a, XDS.b, XCA**
  ● Document Source, Document Consumer

○ **ATNA**
  ● Secure Application (Auditing, Node Auth.)

○ **XUA**
  ● X-Service User, X-Service Provider (using WS-Trust)

What's new for 2008/2009

○ **Complete CP updates for existing profile implementations**
- Support for XDS AND/OR queries
- New ATNA Implementation

○ **New Profile Support**
- XUA (Official)
- Asynchronous XDS.b (Source, Consumer)
- XDM Portable Media Creator (almost there, w/ Sage Health)
- XDR Document Recipient (reference)

○ **Working on …**
- PIX/PDQ v3 Source, Consumer
- Shared Value Sets (SVS) Consumer
- Notification of Availability (NAV) Sender

2008/2009 MESA Test Support

○ **As with previous years, we will MESA test our implementation**
  - Both plug-ins and Bridge

○ **Updated testing status available on Web site**

○ **Example source code for each MESA test we submit**
  - …and you can run/submit too ☺

○ **Incremental binary builds regularly available**

2009 NA Connectathon

○ **Fourth year of on-site user support at the North American Connectathon**

○ **General plan**
- Committers available for support and bug fixes
- Skype chat for user support and discussions
- Web site with Bugzilla, updated builds
- Bridge RHIO Configuration with Registries and Repositories listed

○ **Like last year, our implementation will be tested as a formal system**

Getting Started

iheprofiles.projects.openhealthtools.org/gettingstarted.html

- ○ Components?
- ○ Bridge or Pojo?
- ○ 2009 Connecthon Wiki Page
- ○ Participate in the Discussions

How can you contribute?

○ OSS depends on an interactive community – we welcome your efforts!
○ Contributions:
- Write new test cases (such as Mesa test not currently present)
- Example workflow scenarios
- Provide example CDAs or other clinical document content
- Work on becoming a committer
  ○ Submit bugs and fixes
  ○ Submit new profile work or features
  ○ Be active on the discussion lists
  ○ Provide constructive feedback
  ○ Any/all of the above

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