

# oBIX is

Aaron Hansen  
Tridium, Inc.



**oBIX is**

**Unbound**

- Multiple transport protocol bindings
- SOAP
  - Standard WSDL
  - Read, write, invoke operations
- HTTP
  - Read - GET
  - Write - PUT
  - Invoke – POST
- More...
  - Email (SMTP, POP3)
  - Messaging (MQ, JMS)



**OBIX is**

**RESTful**

- REpresentational State Transfer
- Architectural style of the Web
  - URL, HTTP, XML, HTML, JPEG, GIF, RSS...
- Identify with URIs
- Encode as XML documents
- Transfer using HTTP
- Web 2.0



**OBIX is**

**Extensible**

- Web services for business applications
  - Code generation
  - Versioning problem
- Heterogeneous devices
  - Many are programmable
- High fidelity
  - Embrace vendor data
  - Easy to mix standard and vendor data
- oBIX contract
  - List of patterns
  - Just another oBIX document



**oBIX is**

**Eventful**

- Poll based subscription
  - Email
  - RSS
- Leased
  - The web is stateless
  - Stateful web apps must be designed for failure



- oBIX Hub
  - <http://obix.org>
- OASIS Homepage
  - <http://oasis-open.org/committees/obix>
- oBIX Spy
  - <http://sourceforge.net/projects/obix>
- Demo Server
  - <http://obix.tridium.com>

