



WS-I : An Update

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Current Status

Web services are an enabler for interoperable SOA infrastructures

Web services must interoperate to be effective

- ▶ Reality: an enterprise uses tools and solutions from multiple providers
- ▶ Customers want and need quality, modularity, evolve-ability, etc.
- ▶ Interoperability is a major step towards meeting customer requirements
- ▶ Providing profiles and testing tools for those profiles makes achieving interoperability much easier

Profiles

- ▶ Named groups of specifications at given version levels with requirements, guidelines and test assertions on how to use them together to ensure interoperability

Sample applications/Test scenario implementations

- ▶ Sample code and applications support multiple environments
- ▶ Demonstrate interoperability for completed Profiles
- ▶ Provide assurance of usefulness and correctness of Profiles

Test tools and supporting materials

- ▶ Analyze message flow for conformance with Test Assertions specified for a profile

WS-I Profile Coverage:

Completed/Under Development

| | | |
|--------------------------------|--------------------------------|------------------------------------|
| Additional Capabilities | Management | Portals |
| Business Process Orchestration | Composition/Orchestration | |
| Composable Service Elements | SecureConversation Security | Reliable Messaging Transactions |
| Messaging | Endpoint Identification | Publish/Subscribe |
| Description | XML Schema, WSDL, UDDI | |
| Invocation | MTOM | XML, SOAP, SOAP with Attachments |
| Transports | HTTP, HTTPS, Others | |

Final material

- ▶ Basic Profile (BP) 1.0 and BP 1.1
- ▶ Attachments Profile (AP) 1.0
- ▶ Simple SOAP Binding Profile 1.0
- ▶ REL Token 1.0 and SAML Token 1.0 Profiles
- ▶ Basic Security Profile (BSP) 1.0 and BSP 1.1 (approved Jan 2010)

- **Related Testing Tools, Test Scenarios, Sample Applications**

- **Also published as ISO/IEC Specifications**

- ▶ BP 1.1 - ISO/IEC 29361:2008
- ▶ AP 1.0 - ISO/IEC 29362:2008
- ▶ Simple SOAP Binding Profile 1.0 - ISO/IEC 29363:2008

Basic Profile 1.2

- ▶ BP 1.1 with
 - ▶ errata
 - ▶ W3C WS-Addressing Core and SOAP Binding
 - ▶ SOAP 1.1 Binding for MTOM W3C Member Submission

Basic Profile 2.0

- ▶ BP 1.2 with
 - ▶ W3C SOAP 1.2 REC replaces SOAP 1.1
 - ▶ W3C MTOM/XOP REC replaces SOAP with Attachment
 - ▶ W3C WSDL 1.1 Binding for SOAP 1.2 WG Note

Reliable Secure Profile 1.0

- ▶ OASIS WS-Reliable Messaging 1.2
- ▶ OASIS WS-Secure Conversation 1.4
- ▶ OASIS WS-MakeConnection 1.1
- ▶ Composes with BP1.2 or BP2.0 and BSP1.x

Associated With Each New Profile

- ▶ Test Assertions and Test Analyzer
- ▶ Test scenarios with test data and test plans

Future

WS-I and OASIS considering moving WS-I work to OASIS

While this is NOT yet definite, something approximating the following is envisioned

- ▶ Creation of a WS-I Member Section in OASIS to carry on the WS-I mission
- ▶ Creation of OASIS Technical Committees, as appropriate, to maintain and work on WS-I profiles, along with associated testing framework
- ▶ Transfer of maintenance responsibility to OASIS for WS-I profiles that have been adopted by JTC 1 via the PAS process
- ▶ WS-I profiles would probably become OASIS Standards

THANK YOU