

SOA 标准化: WS-I的状态和发展

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WS-I Board of Directors

开放行业成果

- ▶ 推动Web服务互操作性

广泛的参与

- ▶ 50个企业成员 + 80 个倡导者
 - ▶ 软件供应商，咨询师，行业组织等

确立最佳实践以达成互操作性

- ▶ 基于现存开放标准

与标准制定组织合作

- ▶ OASIS / W3C / ISO
- ▶ 其他合适的组织

降低成本，复杂性和风险

- ▶ 提供互操作性的信任
- ▶ 普通实施导则

提高产出，加速进入市场的时间

- ▶ 加强内部和商业合作伙伴的合作
- ▶ 允许公司关注增加附加值，非基本的 plumbing

简化**Web**服务购买决定

- ▶ 购买前咨询WS-I一致性

下载和使用交付物可登录网站www.ws-i.org



Web 服务标准集

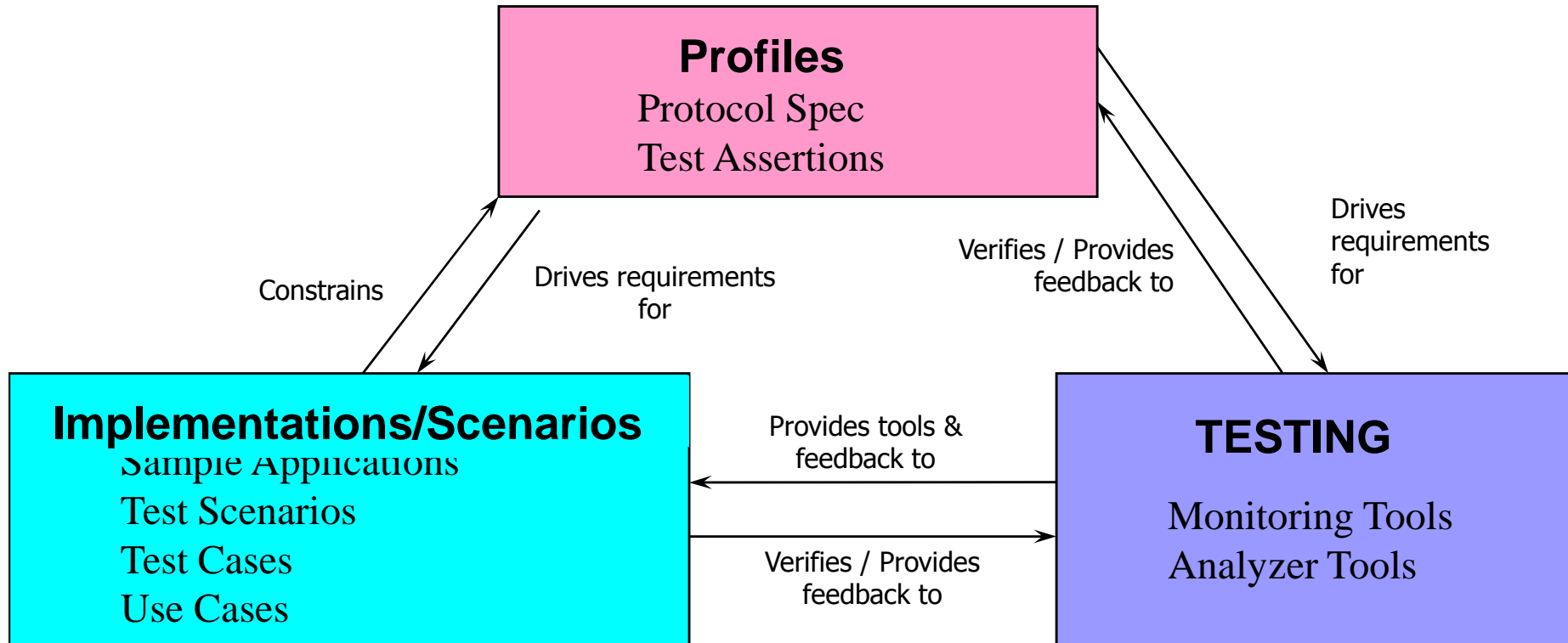
Additional Capabilities	Management	Portals	
Business Process Orchestration	Composition/Orchestration		
Composable Service Elements	Security	Reliable Messaging	Transactionality
Messaging	Endpoint Identification, Publish/Subscribe		
Description	XML Schema, WSDL, UDDI, SOAP with Attachments		
Invocation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



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目前为止WS-I 的工作

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WS-I Strength and Usefulness Built on a Three-Legged Stool

轮廓

- ▶ 指定的版本水平的规范组的导则和协议规定如何一起使用确保互操作性
- ▶ 选择基于客户需求的规范组

样品应用/测试场景实施

- ▶ 样品编码和应用支持多环境
- ▶ 展现全部轮廓的互操作性
- ▶ 提供轮廓的有效性和正确性的保证

测试工具和支持材料

- ▶ 为轮廓一致性测试特定的Web服务的场景
- ▶ 用Test Assertions 规范了一个轮廓，分析信息流的一致性

更多信息请参考:

<http://ws-i.org/deliverables/workinggroup.aspx?wg=testingtools>

- 跨异构环境的互操作性
- 减轻开发
- 减少集合新服务的努力
- 支持SOA平台的互操作

最终的材料

- ▶ Basic Profile 1.0 and 1.1
- ▶ Simple SOAP Binding Profile 1.0
- ▶ Attachments Profile 1.0
- ▶ Security Challenges, Threats and Countermeasures 1.0
- ▶ REL and SAML Token Profiles
- ▶ Basic Security Profile 1.0

• 进行中的工作

- ▶ Basic Security Profile 1.1
- ▶ Basic Profile 1.2 & 2.0
- ▶ Reliable Secure Profile 1.0

Basic Profile 1.2

- ▶ Basic Profile 1.1 plus errata
- ▶ W3C WS-Addressing Core and SOAP Binding
- ▶ SOAP 1.1 Binding for MTOM W3C REC
 - Target completion --- 1H09

Basic Profile 2.0

- ▶ Replaces W3C SOAP 1.1 Member Submission with W3CSOAP 1.2 REC
- ▶ W3C MTOM/XOP REC
- ▶ W3C WSDL 1.1 Binding for SOAP 1.2 WG Note
 - Target completion --- 1H09

Reliable Secure Profile 1.0

- ▶ OASIS WS-Reliable Messaging 1.1
- ▶ OASIS WS-Secure Conversation 1.3
- ▶ Composes with BP1.2 or BP2.0 and BSP1.x
 - Target completion --- 2H09

Associated With Each New Profile

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

WS-I Profile Provides Interoperability Guidance	Example - Reliable Secure Profile (RSP)
<p>Eliminates ambiguity by tightening requirements (MAY, SHOULD → MUST)</p>	<p>Issue 37 WS-RM : Receiver SHOULD ignore unrecognized extensions RSP : Receiver MUST ignore unrecognized extension</p>
<p>Avoids difference in interpretations by clarifying semantics</p>	<p>Issue 30: Define the semantics of a “one-way” message</p>
<p>Fill the gap created by composing different specifications together</p>	<p>Issue 16 WS-RM : Defines protocol elements – headers and body WS-S : Defines how to secure headers and/or body RSP : Requires securing both WS-RM headers and body</p> <p>Issue 29 RSP : Requires that WS-RM should not mess up WS-A headers</p>

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- 减少集合新服务的努力
- 确立通用开发战略
 - 跨多供应商技术
 - 跨多服务提供商 offerings
- 支持SOA平台的互操作