



IVOA Web Services Basic Profile

André Schaaff



IVOA WS Basic Profile

■ Reminder :

- **Recommendation about how to implement Web Services in the frame of IVOA**
 - Takes into account existing documents (Web Service Basic Profile, see <http://www.ws-i.org/>)
 - Includes IVOA existing work (Support Interfaces, ...)
 - Less flexibility but more interoperability
- **Presentations at Cambridge MA, Pune, Kyoto, Madrid Interop**
- **IVOA WS BP depends on Support interfaces progress**



WS-I Basic Profile Status

- **WS-I provides checking tools but with very restrictive license**
 - no inclusion in an on-line checking tool

- **But not really a problem**
 - Easy to download and check with WS-I tools
 - **Upstream efforts to take into account WS-I Basic profile**
 - .NET (2.0)
 - it is possible to create SOAP WS-I BP 1.1 compatible interfaces
 - In this case you cannot use for example the following things :
 - RPC/encoded message, DataSet, xml:lang attribute in the SOAP envelope, No use of the Order property for sérializables types, Return of NULL values in a RPC/literal service.
 - Axis (1.4) : people involved in this project are working on the integration of the WS-I BP since the version 1.2

IVOA WS Basic Profile (2)

■ Done since last Interop

■ Upgrade of the IVOA document (0.22 -> 0.23 -> 0.24)

- Splitting of Support Interfaces specification is taken into account
- Rules clarification
 - Used for the conformance test

■ Online checking tool prototype

- <http://cdswww.u-strasbg.fr/ivoa/servlet/IVOAWSBasicProfileChecker>
- Will be put on mirrors (Java servlet)

Future

- **1.0 depends on Support Interfaces**
- **Conformance checker**
 - **Provide as Web Service ? Useful for Registry to check during the registration process ?**
- **Consider other aspects in the 1.x versions ?**
 - **Other IVOA specifications**
 - **Attachment (in a first step this side has been postponed (Kyoto meeting decision))**
 - **Security Profile (same remark as above)**