



Apache Axis

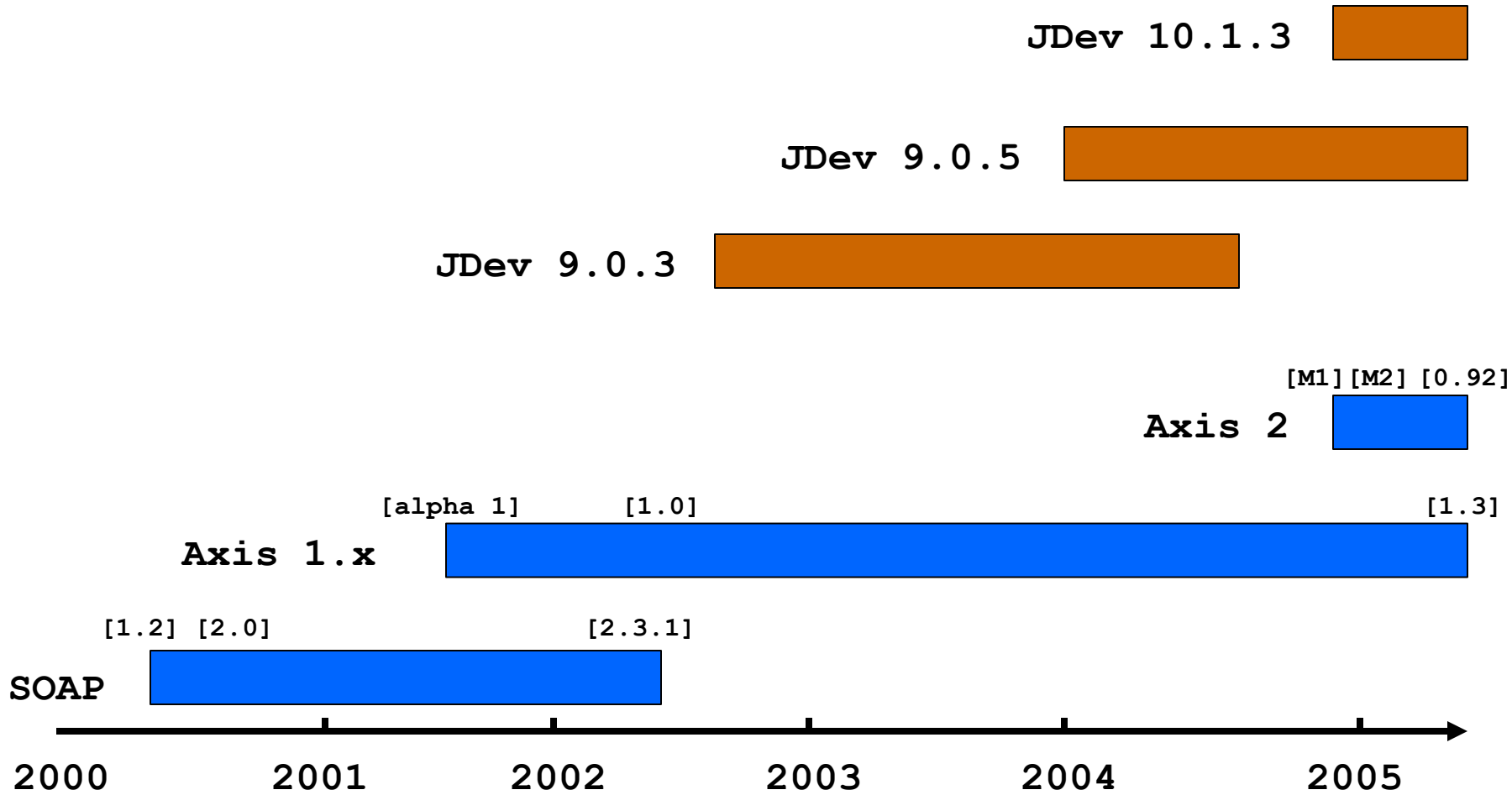


Apache Axis?

- **Reliable and stable implementation of SOAP**
- **Follow up of Apache SOAP project**
- **Available as C++ and Java implementation**
- **Axis includes:**
 - a simple stand-alone HTTP-server
 - a server which plugs into servlet engines such as Tomcat
 - extensive support for the *Web Service Description Language (WSDL)*
 - emitter tooling that generates Java classes from WSDL.
 - some sample programs
 - a tool for monitoring TCP/IP packets.



Time line





Apache Axis 1.3

- Ability to run inside applets
- More efficiently process attachments
- Preliminary support for MTOM
- The usual round of bug fixes
- Intended to be 100% compliant with the JAX-RPC and SAAJ specifications from Sun
- XML processing based on SAX



Apache Axis 2

- Hot deployment of WS
- Blocking & non-blocking WS
- 1-way Messaging & request/response Messaging
- WS-Security; WS-Reliability; WS-Addressing
- Impl. MTOM; AXIOM; REST; SAAJ
- Modules based SOAP handling
- XML processing based on StAX



DEMOtje

- Installation (under Tomcat)
- How to write a simple web service (getting started)