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ANSA Phase III

ReTINA Project Update

Ben Crawford

Abstract

This talk gives a brief introduction to the aims and structure of the ReTINA project for the benefit of sponsors who are not familiar with it, and discusses the role which APM plays in the project. It then gives an overview of the progress made in the project to date in the areas which concern APM (i.e. Work Package 1).

APM.1726.00.01

Draft

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Project Management (confidential to ANSA consortium for 2 years)

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ReTINA progress report

ANSA MC/TC meeting

19/03/96

Ben Crawford (APM)



Project Goals

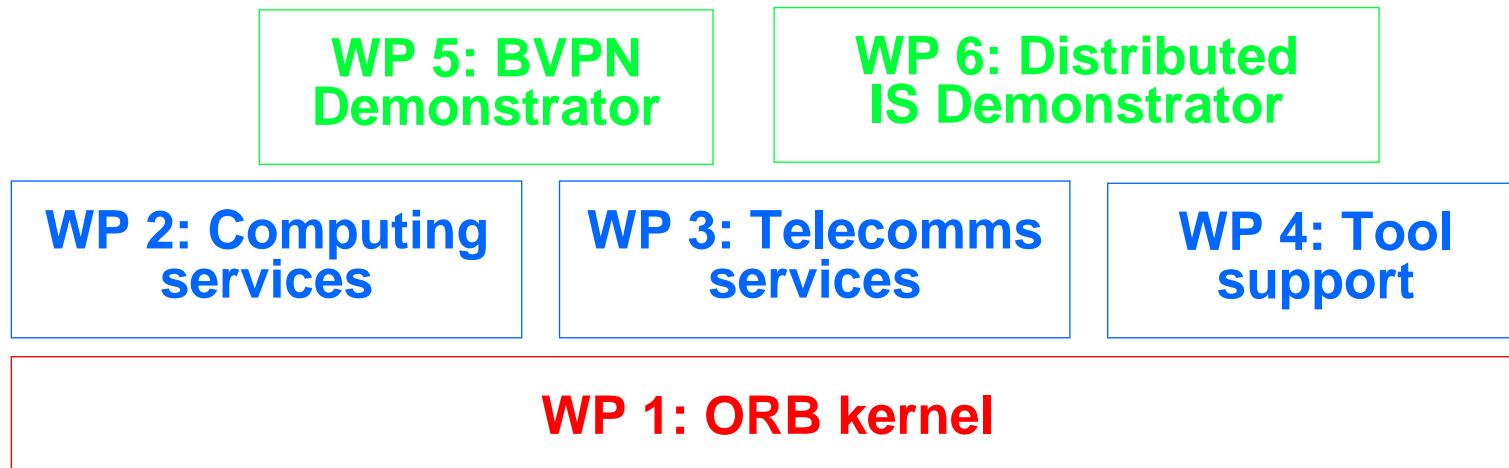
- **An industrial strength DPE for Telecommunications**
 - **Conformance with ODP, TINA and CORBA 2.0**
 - **Application development environment**
 - **Application services aimed at telecommunications**
 - **Delivery in 1998**
- **Demonstration and experimentation**
- **Influence standards**



List of ReTINA partners

- **The other ReTINA partners involved along with APM:**
 - **Chorus Systems (F)**
 - **Alcatel Alsthom (F)**
 - **BT (UK)**
 - **Broadcom (IRL)**
 - **CSELT (I)**
 - **France Telecom - CNET (F)**
 - **HP (UK)**
 - **O2 Technology (F)**
 - **Politecnico di Torino (I)**
 - **Siemens (D)**
 - **Telenor (N)**
 - **Telesystemes (F)**

Structure of ReTINA Project



- **WP7: Dissemination and Liaisons**
- **WP8: Project management**



Goals of Work Package 1

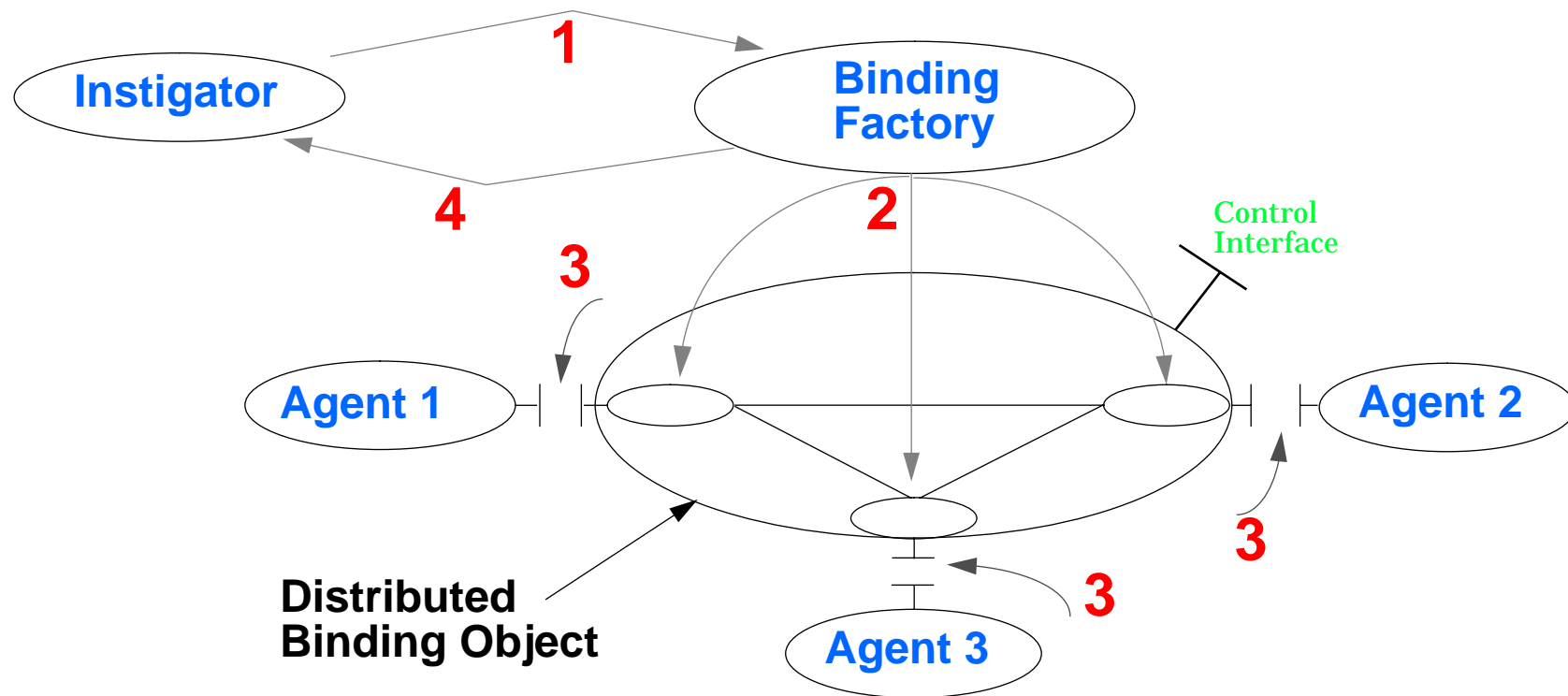
- **To produce a minimal portable ORB kernel and API for telecomms**
 - **CORBA 2.0 C++ mapping with appropriate extensions**
 - **support for flexible construction of interaction models**
 - **multimedia support**
 - **resource management abstractions**
 - **modular protocol composition and configuration**
 - **real-time profile**



Progress in Work Package 1

- DPE Kernel requirements document for completion in June
- CORBA extensions for streams and explicit binding suggested to OMG TeISig in January [white paper APM.1684]
- Agreement of ReTINA binding model based on binding work done by APM and CNET [joint paper submitted to TINA '96]
- Stream adaptors proposal aligned with ReTINA binding model
- DPE Kernel specification at early draft

ReTINA Binding Model





APM Involvement in ReTINA

- **Contribute experience from ANSAware RT and DIMMA**
 - **Generate requirements and submit API specs**
- **Rapid prototyping of QoS, multimedia and real-time support**
 - **Support for multimedia flows and multicast (Amber)**
 - **Improved resource management (Amethyst)**
 - **Support for CORBA streams and explicit binding (JetStream)**
 - **Concurrent stream processing (Ruby)**
- **Make DIMMA API and binaries available for experimentation**
 - **Exploitation rights protected by consortium agreement**
- **Feedback of results into ANSA consortium**