



# Business Transactions and Conversations in Web Services Environment

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# Introduction

- The complexity of applications grows up
- Web services and common set of standards
- No business semantics in SOAP, WSDL, UDDI



# Requirements

- Work-flow architecture with conversation layer on top
- Message centric exchange
- Asynchronous interaction
- Conversation context
- Long running activities



# Specifications

- **Orchestration**

- BPEL
- WSCI

- **Transaction**

- WS-Coordination and WS-Transaction
- BTP

- **Semantics**

- XML
- RDF
- OWL



# Conclusions

- More flexible and dynamic interactions
- Clear distinction between business process and conversation
- Properties and needs of long running transactions
- Semantic description and reasoning techniques