

# Tutorial Session 5

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## Semantic SOA in Action: A Practical Demonstration

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### Abstract

This tutorial is intended for researchers and industry practitioners who are interested in modeling ontologies to support knowledge engineering and management, database modeling, business process modeling and enterprise information integration with a focus on practical demonstration. The tutorial gives a deeper insight for designing of ontologies and conceptual modeling. It talks about solution strategies for global enterprise system which provides unified information and agile solution with greater ease and simplicity. The tutorial also includes demonstration of the concepts using ontology modeling tools. Global enterprise system needs to cater the requirements of a constantly changing environment like business environment changes, user requirement changes and technical environment changes.

With the evolution of SOA and semantic web services, enterprise solution needs to the limitations of conventional enterprise systems by providing data convergence and concept reutilization with intelligence. This talk takes you through a case study simulating semantic web paradigm (and semantic web services) over a leasing business system. It also portrays the various advantages and explains the hurdles in accepting the semantic web technology.

### About the Presenters

**Bijoy Majumdar** is a member of the Web Services COE (Center of Excellence) for Infosys Technologies, a global IT consulting firm, and has substantial experience in publishing papers, presenting papers at conferences, and researching standards for SOA and Web services. Prior to Infosys, Bijoy Majumdar worked as a Technical Architect, and was key in designing enterprise solutions with leading-edge technologies. He can be reached [bijoy\\_majumdar@infosys.com](mailto:bijoy_majumdar@infosys.com)

**Parachuri Deepti** is a Junior Research Associate at SOA/WS Centre of Excellence at SET LABS, the research wing of Infosys Technologies Ltd. and holds a MS degree from IIT-Madras, India. She has expertise in the field of vision, especially recognition and video tracking, while she has been actively involved in various publications and conferences. Today, her major research area includes semantic web scaling RDF, OWL, OWL-S and Agent technologies, in addition, analyzed XML schema compression methodologies for SOA based application.

**Ujval Mysore** is a member of the Web Services COE (Center of Excellence) for Infosys Technologies, a global IT consulting firm, and has substantial experience in publishing papers, presenting at conferences, and defining standards for SOA and Web services. His fields of interest include SOA-enabling technologies, like ESB and Web services.