Enterprise Services Architecture and Semantic Web Services

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Abstract

As “traditional” Web Service technologies are making their way into the mainstream distributed computing, Service Oriented Architectures (SOA) gain more and more momentum in current and future IT infrastructures. In this talk, we give a motivation for doing such a transition from a market area point of view and present SAP’s answer on the raising demand: The SAP Enterprise Services Architecture (ESA). The Enterprise Services Architecture comprises five key elements. Two of them are directly related with research topics in the area of Semantic Web Services.

The second part of the talk gives an insight in current SAP Research activities and how they address challenges in Web Services.

Professor Lutz Heuser, Vice-President, is Head of SAP Research and Chief Development Architect at SAP AG. He is responsible for all strategic research programs and the global innovation transfer into the product portfolio of SAP. His main areas of expertise include eLearning, pervasive computing, Internet services, and business processes technology. Prior to joining SAP, Lutz Heuser was managing director of the European Research Organization of Digital Equipment Corporation and member of the extended board of the German subsidiary of Digital. He was co-founder of the renowned research center CEC Karlsruhe, as well as three joint venture research centers with Universities of Karlsruhe, Darmstadt, and Dresden. Lutz received his doctoral degree in Informatics from the University of Karlsruhe and his diploma in Informatics from the University of Darmstadt. Lutz is a visiting professor at the National University of Paraguay in Asuncion at the Faculty for Economical Sciences and lectures on Collaborative Business Processes Research. Furthermore, in June 2004, he was appointed as an honorary professor at the University of Darmstadt. Lutz Heuser has been author and co-author of two books and more than 25 research papers.