

Service Discovery and Orchestration for Distributed Service Repositories

Ioannis Fikouras, Eugen Freiter

Bremen Institute of Industrial Technology and Applied Work Science (BIBA), Hochschulring 20, 28359 Bremen, Germany
{fks, fre}@biba.uni-bremen.de
<http://www.biba.uni-bremen.de>

Abstract. Driven by the need for transparent discovery and orchestration of composite services out of elementary services, this paper introduces an innovative approach to Distributed Composite Services Orchestration and Discovery. The proposed concept is based on Variant Configuration theory and Distributed Service Repositories. The authors proceed to describe parts of the specification of a middleware platform based on the proposed concept capable of addressing the need for seamless discovery and composition of distributed services. This study was conducted as part of project NOMAD (IST-2001-33292) and presents the concepts behind the NOMAD Composite Service Configurator and its integration in the Distributed Service Repository.