



AN ONTOLOGY-BASED SERVICE DISCOVERY FRAMEWORK FOR AN ENTERPRISE

N. Arunachalam¹, R. Swarnalakshmi², R. Sangeetha², B. Pradheepa²

¹Asst Professor, IT Department, Sri Manakula Vinayagar Engineering College
narunachalam85@gmail.com

²Students, IT Department, Sri Manakula Vinayagar Engineering College
rswarna08@gmail.com
rsangeethasmvec@gmail.com
bpradheepa@gmail.com

Abstract

Enterprise service architecture creates an IT environment where standardized components can aggregate and work together to reduce complexity. Service Discovery mechanism is used for discovering one or more documents that describes a particular service. Since there is no clear understanding regarding the behavior of service, ontology is used for providing appropriate service to the end user. Ontology is a generic knowledge that represents agreed domain semantics that can be reused by different kinds of applications or tasks. This is an efficient method to provide clear notion of service. This paper proposes a generic service discovery framework for an enterprise using ontology and a knowledge based agent to get a clear view about the service provided and its functionality.

Keywords – Enterprise Services; Service Discovery; Ontology; Semantic web and Service Description

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