Abstract

Composition of web services is a prominent feature of Service Oriented Architecture, for implementing business processes. Business processes may collaborate within or across organizations. During cross organizational collaborations, services are often heterogeneous thereby bringing challenges to composition. The two most popular types of web services are SOAP based web services and RESTful web services. Most of the existing solutions for service composition address SOAP based web services and RESTful web services separately. A few
prior attempts to compose SOAP and RESTful web services together use semi automatic methods like converters which are inefficient. In this paper, “DyCSR”; a dynamic composition technique for composing SOAP and RESTful web services has been proposed. The technique involves a middleware service that enables composition of SOAP and RESTful web services dynamically.

References

- Simple object access protocol (SOAP), W3C, 2007. www.w3.org/TR/soap/.

Index Terms

Computer Science

Network Application

Keywords

Dynamic Composition  Soap  Restful  Web Service  Service Composition  Template