Abstract

Use of web-services in devices with low processing capability has increased with the advancement in wireless technologies. Web-services are mainly used to reduce overhead of heavy processing in resource limited environment. Many public web-services are available that can be used to retrieve information or perform a task. Web-Service discovery is the process of discovering relevant web-services for the user based on users specification. Discovery of relevant web-services are mainly based on two methods text based matching and semantic matching. Searching for web-service is resource consuming and low-end devices or mobile devices cannot efficiently perform the task. A cloud-server can be an excellent candidate for this job as its resources are not limited and can be scaled easily they are cost effective. In this paper a frame-work for discovering relevant mobile web-services using a cloud based web-service matching algorithm is proposed. The frame-work is expected to provide efficient results and quick response time.

**Index Terms**

Computer Science Information Sciences

**Keywords**

Cloud server, service discovery, semantic matching.