Abstract

The Service Discovery in Mobile Ad hoc Networks (MANET) is a difficult task because of the changing nature of such networks. Different services are available in MANET considering time and location. Many varying traditional solutions to service discovery of Internet are not well suited for MANET because of their Ad hoc nature. Consequently, Service Discovery (SD) in the network a perquisite for efficient usage of network resources is a complex problem. In this work Association Rules mining algorithm are used to get service discovery. Using the correlation among the services and piggybacking future service request answers along with current service requests, there is significant gain in performance. Two algorithms of association rules mining are used for discovering the services in MANET. FPTree algorithm is already been used for service discovery. We have approached towards Apriori algorithm for service discovery in MANET with the significant gain in performance.

References

Approach of Association Rules Mining for Service Discovery in Mobile Adhoc Network

- Hu Jia Ying, "Service Mining for Composite Service Discovery", in Computer Science and Information Engineering, National Central University, 2006.

Index Terms

Computer Science Wireless
Keywords
Service Discovery  Association Rules Mining  Fptree Algorithm  Apriori Algorithm