Abstract

Mobile computing has become an indispensable way of life in recent years. Recent advancement in Mobile phones and other handheld devices have enabled them of using various types of networks, which were meant for computers only. The integration of such devices into heterogeneous grids has emerged new research challenges. Different types of devices with heterogeneous interfaces and computational powers require versatile mechanisms to cope with various types of applications and situations. This paper presents the performance analysis of reactive and proactive routing protocols used for mobile ad-hoc grids in e-health applications. The performance of four protocols is analyzed in terms of routing load and response time. Further, the feasibility of heterogeneous interfaces in mobile ad-hoc grid is analyzed in terms of energy consumption.

References

A Comparative Study of Routing Protocols in e-Health Applications for Heterogeneous Interfaced Mobile Ad-Hoc Grid

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Index Terms

Computer Science
Wireless

Keywords

Mobile Grid  Routing Protocols  E-Health  Ad-hoc Grid  Mobility  Heterogeneous Grid