Abstract

Vertical Handoff techniques deal with the scenario in which the mobile node can move between different network access technologies. This paper represents vertical handoff between Wi-Fi and Bluetooth wireless network. When mobile node travels from one network to other network or from one place to other place it require battery power. If the battery power of the mobile is utilized more effectively then it will provide better results in variety of aspects. In paper some parameters of moving mobile node is measured with minimum battery use with the help of virtualization technique. To achieve this goal and to select the best network for mobile node when moving from one network to other network it is also important to have a good utilization of space and access point. Dividing the space into some partitions and assigning access point to each partition helps mobile node in vertical handoff procedure. The combination of virtualization, space and access point is used to apply scalability in vertical handoff.
- Eric A. Brewer, Randy H. Katz, Network Architecture for Heterogeneous Mobile Computing,
- Ling-Jyh Chen, Tony Sun & Benny Chen "A Smart Decision Model for Vertical Handoff.
- Kyle E. Stewart, Todd R. Andel, and Jeffrey W. Humphries "Measuring the Performance of Network Virtualization Tool N2N in the Design of a Cyber Warfare Training and Education Platform"

**Index Terms**

Computer Science  
Wireless
Keywords
Scalability  virtualization  vertical handoff  Wi-Fi  Bluetooth