Dynamic Handover Mechanism Using Mobile SCTP in Contention Based Wireless Network

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Abstract

Mobile SCTP (mSCTP) has been proposed to support transport layer mobility management. In this paper, we proposed a dynamic handover mechanism named Contention-based mSCTP (C-mSCTP) in the contention based wireless network. The handover strategy in C-mSCTP takes wireless bandwidth and the contention probability into account to set the primary path before transmitting data. The simulation results show that the C-mSCTP achieves much better performance in terms of transmission delay and throughput than mSCTP does.