Performance Analysis of Wired and Wireless Network using NS2 Simulator

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Abstract

In computer terminology the definition for networks is similar as a group of computers logically connected for the sharing of information or services (like print services, multi-tasking, etc.). In this paper we compared and analysed the performance of wired and wireless network. In wired network there is only one routing protocol whereas in wireless network there are so many routing protocols like AODV, DSDV, DSR, TORA and ZRP etc. In this paper we also carried out a systematic simulation based performance study and analysis of the two prominent routing protocols: (Temporally-Ordered Routing Algorithm) TORA and Zone Routing Protocols (ZRP) in the hybrid networking environment under varying nodes. We analyzed the performance differentials on the basis of two metrics – packet delivery fraction and end-to-end delay using NS2 based simulation.

References


**Index Terms**

Computer Science  Wireless

**Keywords**

Wired network  Wireless network  ZRP  TORA  NS2