



International Journal on Recent Researches In Science, Engineering & Technology

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy.

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Research Paper

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ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

Volume 2, Issue 5,

May 2014

DIIF IF :1.46

SJIF IF: 1.329

Proposals for Performance Enhancement of Intermediate Node

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Abstract - Literature reported that different transport layer protocols are suitable for different applications . If the Ad hoc network is fairly closed and consists of nodes from single organizations that are communicating with themselves , compatibility with TCP may not be required , and thus ATP (a reliable transport protocol for Ad hoc network) is the good choice for this scenario . In ATP the performance of sending TCP is concentrated but the performance and the load of the intermediate load is not taken into account . Traditional transport layer protocols are designated to operate in need in need to end basis but ATP is designed such that it operates on semi node to node basis . In this paper , three simple approaches is proposed to make ATP to perform and to end rather than node to node without sacrificing the performance . The proposed system is implemented in java and its performance is compared with ATP protocol