

Network Topology Tomography Under Multipath Routing

MODULE 1:

Wireless topology of creation of simple packet transmission between nodes with default node configurations.

Flow of Implementation:

TCL Script, Default configurations of wireless, AODV protocol, NAM window.

EXISTING MECHANISM (PAPERS EXISTING METHOD)

MODULE 2:

wireless topology of creation of more number of nodes [50 nodes] (Tree and Non tree topology) with default node configurations and packet transmission will be done based on NORMAL SCHEME and QOS performance metrics like end to end delay, energy spent, packet delivery ratio, throughput, Error rate values are taken and graphs will be plotted in xgraph.

Flow of Implementation:

TCL Script, Default configurations of wireless, AODV protocol, NAM window, awk file execution, graph plot.

PROPOSED MECHANISM (PAPERS PROPOSED METHOD)

MODULE 3:

wireless topology of creation of more number of nodes [50 nodes] (Tree and Non tree topology) with default node configurations and packet transmission will be done based on PROPOSED PROTOCOL (Please provide a name for the protocol) ROCKETS STRUCTURES DETECTING TOMOGRAPHIC SCHEME) RDTs PROTOCOL which is developed in c++ and integrated in to NS2 package and identify cut sharing paths by detecting rockets is written as procedure in tcl script where as QOS performance metrics like end to end delay, energy spent, packet delivery ratio, throughput, Error rate values are taken and graphs will be plotted in xgraph. Here network life time and performance will gets increased.

Flow of Implementation:

TCL Script, Default configurations of wireless, procedure written for proposed identify cut sharing

paths by detecting rockets mechanism,,PROPOSED RDTS protocol,NAM window,awk file execution,graph plot.

MODULE 4:

Comparison of the existing (NORMAL MECHANISM) and proposed (identify cut sharing paths by detecting rockets) mechanism with single trace file and graphs execution.

Flow of Implementation:

User generated trace files,graph plot.

NOTE:

SOFTWARES USED : REDHAT LINUX 9

Front End : TCL

Back End : C++

Student need to confirm the topology and proposed protocol name.

Enhancement (New work with the paper) has not given in the module break up. If the student has any idea on the same can be done else will suggest the same once we completed the paper work.