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Evaluation of the Routing Performance of various Mobility Solutions.

ABSTRACT - Masterthesis

Due to the emerging mobile data communication technologies in the recent year's it is needed routing efficient IP mobility support for the Mobile Nodes or networks over the internet. That has brought solutions with various mobility support approaches. Most of the approaches follow the model in which Mobile Node always communicate its targeted node while roaming through the specified entity in its home network. This triangular data communication over the IP networks has brought number of problems e.g. routing inefficiencies, delays in data communication, Mobile Node recognition in the foreign networks and security. In each proposed approach there is a trade-off between those issues. This thesis work is the evaluation of various mobility approaches with regards to their routing performance under different scenarios and network topologies.