

***Abstract: Mobile Network Virtualization using Virtual Router over Mobile Cloud Network***

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**Abstract**

Recently, cloud computing has been emerging as one of the most promising trends due to its ability to provide on-request computer resources to customers, without concern about maintaining the infrastructure. As of today, what can be observed is that computer hardware, platforms, applications, and currently network resources are being shifted to the clouds, bringing users a variety of service choice, highlighted with the anywhere application access capability. Research interests, however, seem to be placed little on the matter of how cloud computing assists in creating on-demand networks, which can move along with the users while still maintain the service continuity. In this paper, we propose a novel network paradigm that focuses on a flexible, moveable networks capitalizing on the router virtualization. The proposed model is expected to replace the conventional wireless mesh network in constructing over-the-air multicast network. And, also with the application of virtual router, featuring the ability to move between physical servers, our method hopefully presents an optimal solution to mobile users.

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