

Admission Control of Wireless Virtual Networks in Het HetNets

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ABSTRACT

- In this paper, we propose an efficient analytical method for admission control of wireless virtual networks, with heterogeneous traffic profiles and various quality-of-experience requirements, in the future software-defined radio access networks.
- We present a novel methodology for the admission control process which includes feedback information to the VN customers to improve their traffic profile accuracy, and consequently, their QoE.
- The proposed method is applicable on heterogeneous networks with heterogeneous traffic distributions .

EXISTING SYSTEM

- A convex optimization problem which allows general multiple association between user equipments and base stations.
- Consequently, we propose an algorithm for solving this problem.
- Upon arrival of VN service requests, which might have heterogeneous traffic profiles and different quality-of-experience requirements, a central network admission control entity, which can be considered as a network function in the network operating system, must decide to whether admit.

PROPOSED SYSTEM

- In particular, we presented an admission control procedure which includes a feedback mechanism to correct customer traffic information.
- We also proposed an optimization framework for virtual network admission control which allows various options and flexibility for specification of customer traffic and considers all important QoE parameters including rate, delay, and outage.

HARDWARE REQUIREMENTS

- Processor - Intel core i3
- RAM - 2B
- Hard Disk - 20 GB

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SOFTWARE REQUIREMENTS

- Operating System : LINUX
- Tool : Network Simulator-2
- Front End : OTCL (Object Oriented Tool Command Language)

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REFERENCE

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