NKOSITHANDILEB SOLAR

Container LTE co-location base station survey

Overview

Why do we need additional base stations?

Hence, additional base stations (BSs) may be needed to satisfy the new demand. This case addresses the application of dynamic permanent demand for service such as establishing a new residential area over several time periods where new demand clusters are created in each time period as the residential area expands.

Can BSS serve mobile users in a given geographical area?

The proposed optimization model for locating BSs to serve mobile users in a given geographical area is presented in Section 3. In Section 4, experimental results are provided for two scenarios that cover Cases A and B. Finally, concluding remarks with possible future extensions are provided in Section 5.

How much MB does a Yolo service transfer?

Specifically, the migration of Openface and Yolo services only transfer 7.94 MB and 5.6 MB which are just 4% and 0.9% of the pre-migration’s checkpoint files. This remarkably helps to reduce the migration time and hence minimize the total service downtime.

Container LTE co-location base station survey

Hence, additional base stations (BSs) may be needed to satisfy the new demand. This case addresses the application of dynamic permanent demand for service such as establishing a new residential area over several time periods where new demand clusters are created in each time period as the residential area expands.

The proposed optimization model for locating BSs to serve mobile users in a given geographical area is presented in Section 3. In Section 4, experimental results are provided for two scenarios that cover Cases A and B. Finally, concluding remarks with possible future extensions are provided in Section 5.

Specifically, the migration of Openface and Yolo services only transfer 7.94 MB and 5.6 MB which are just 4% and 0.9% of the pre-migration's checkpoint files. This remarkably helps to reduce the migration time and hence minimize the total service downtime.

In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. To rapidly restore damaged communication ...

This paper uses a field measurement-based genetic algorithms approach to optimize base station placement in cellular networks. The proposed method explores the ...

Based on the rapid development of 5G networks, the wider the bandwidth, the more limited the coverage. The problem of site selection is becoming more and more ...

We developed a mixed integer programming model to provide the optimal location of base stations at different time periods with the network's minimum total cost (i.e., installation ...

In this paper, we address the joint problem of container migration and base-station handover by proposing a coordinated migration-handover mechanism, with the objective of ...

In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. ...

Meanwhile, the mobility of MUs necessitates handover among base stations in order to keep the wireless connections between MUs and base stations uninterrupted. In this paper, we address ...

An important component of 4G LTE network planning is the proper placement of evolved node base stations (eNodeBs) and the ...

Offloading computationally intensive tasks from mobile users (MUs) to a virtualized environment such as containers on a nearby edge server, can significantly reduce processing ...

In this paper, we address the joint problem of container migration and base-station handover by proposing a coordinated ...

We (1) formulate an optimization problem for container placement and base station allocation, and (2) derive the best time to trigger handover, pre-migration, and migration, ...

It gets the additional isolation requirements of coexistence and co-location of TD-LTE/TD-SCDMA base stations with deterministic method which bases on the minimum coupling loss. At last, ...

An important component of 4G LTE network planning is the proper placement of evolved

node base stations (eNodeBs) and the configuration of their antenna elements.

Contact Us

For catalog requests, pricing, or partnerships, please contact:

NKOSITHANDILEB SOLAR

Phone: +27-11-934-5771

Email: info@nkosithandileb.co.za

Website: https://www.nkosithandileb.co.za

Scan QR code to visit our website: