Traffic Congestion Control based In-Memory Analytics: Challenges and Advantages

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 170 - Number 6

Year of Publication: 2017

Authors:
Aiman Abdul-Razzak Fatehi Al-Sabaawi

10.5120/ijca2017914890

Abstract

A method for loading detailed data from more than one source into the main memory in traffic system is presented. The challenges include data volume, data velocity, and Data variation of the traffic. The method uses In-memory analytics to improve query evaluation, to analysis and process reports in the traffic system. This occurs with the development of multicore processors, the loading of data, and the way image and video traffic data are stored and transferred into/from the data centers of different divisions and centralizing access to traffic management facilities, equipment and application systems.

References


Index Terms

Computer Science Information Systems

Keywords

Traffic Congestion, In-memory analytics, Real-time, Data volume, Data variety, Data velocity, Big data.