JARDCS

A Novel Framework for Performance Optimization of Routing Protocol in VANET Network

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Abstract:

VANET is a vehicular ad hoc network which is defined in the IEEE 802.11de so that it can be implemented more thoroughly in the wireless environment for the exchange of information between two vehicles and vehicles and infrastructure around them. It can be considered as the upgradation of MANET system by coupling it with wireless communication extensively. VANET is mainly uses a non-central infrastructure. Mainly VANET works on the road controls and make safer the traffic jams by careful communication within the network which is achieved by the transfer of information between different vehicles present in a certain range of a particular vehicle. Since in VANET, vehicles are identified as nodes that are mobile the security of these nodes makes a huge treat for this wireless communication for the whole VANET network. For increasing the security of the VANET network from these malicious attacks here are some ways that security breech in the VANET network can be performed. Also ways to protect them from these attacks are discussed in this article.

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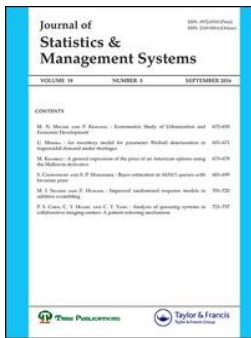
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An efficient approach for big data processing using spatial Boolean queries

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Abstract

The web is being used more and more by users of mobile devices. In addition, it is increasingly possible to track the user's location, which provides immense opportunities in geospatial data and its management. Due to the use of location information in services for each mobile device, a large size of spatial data makes it difficult to process spatial queries efficiently and, therefore, we need a lightweight and scalable approach to process large amounts of stored data in distributed file systems. For the most part, all SNSs (social network services) focus on connecting the user account with their location information, such as check-in services, which helps them collect information about user activities and ratings. Of location, but also increases the load of data on their servers. . In this article we propose an indexing technique in combination with efficient processing of Boolean top-k spatial queries where location data is compressed to save space and the Boolean query helps filter results so that unrelated data is not processed, what helps to save space and faster processing of queries.

Keywords: Spatial data, GeoHash, GeoSpatial indexing, Boolean Query.

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