

environment, the data need to be processed in the central cloud, which prolongs the data analytics time.

(b) The second benefit of the framework is scalability of the analytics. (c) The framework reduces bandwidth costs. (d) Performing analytics at the edge for MBD can

ensure high privacy and security as devices are in the user's proximity.

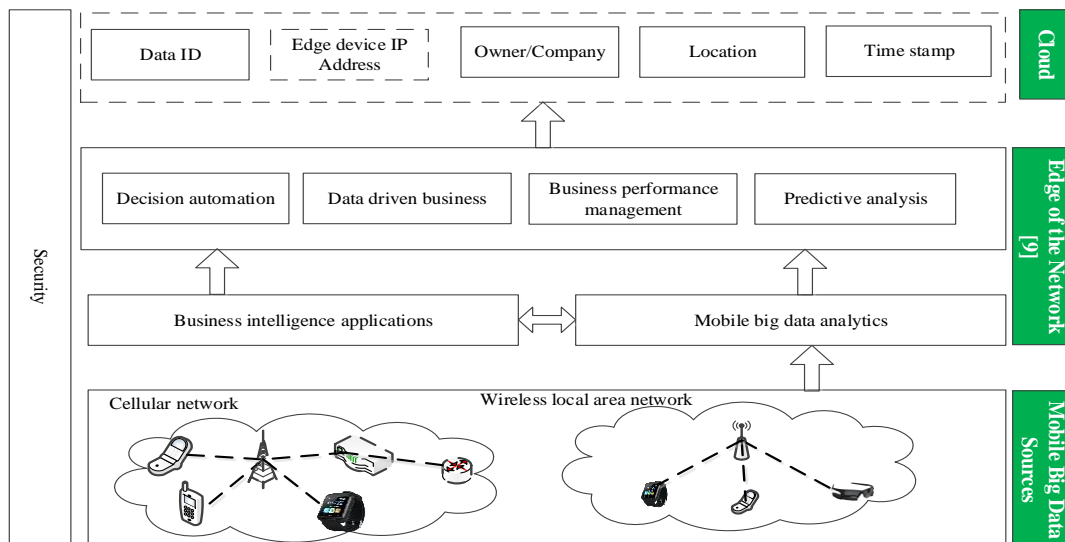


Figure 2: An illustration of the proposed framework

4. Summary:

Tremendous advancements in smartphone technology have enabled the people to share their data, resulted in the MBD era. Collected MBD is unprofitable unless some appropriate analytics techniques are utilized to extract meaningful information and expose the hidden patterns in a real-time manner. In this paper, we initially explored and critically analyzed the recent advances made in the MBD era in terms of analytics. Then, we proposed a theoretical framework which helps in enabling real-time analytics for MBD. In the future, we are planning to implement and validate our framework using a large-scale system.

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