Blockchain-based Big Data Analytics Approach for Smart Cities

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Abstract

The wireless communication is the fastest-growing field of studies to enable humans to communicate with each other. Introducing a new blockchain architecture with big data analytics can be an enticing platform towards increasing connectivity performance throughout the smart cities. Blockchains can build a convenient mechanism allowing two devices to effectively transmit currency as well as data, to each other with a secure and reliable agreement. Smart cities provide an opportunity to connect people and places that use emerging technologies that help to improve urban planning and development. Smart cities can enhance public infrastructure and people's living experience. Presently, high-speed, intelligent, effective with several innovations, like low energy consumption, etc., seem to be accessible to interact together in the modern environment. By using the blockchain-based big data approach the physical devices are allowed to communicate securely with other physical devices in heterogeneous environments. This approach builds a new blockchain-based computing structure throughout the IoT technology configuration. This approach can examine blockchain technology to the underlying technology or maintains the IoT authentication reliable. This strengthens blockchain and cloud to develop an enabling IoT pervasive environment for secure communication among the physical objects.

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