Blockchain and Internet of Things (IoT)

Blockchain and IoT Blockchain has a decentralized ledger technology that works in tandem with the Internet of Things to enable machine-to-machine interactions. It employs a set of activities that are stored in a database, double-checked by numerous sources, and recorded in a shared ledger that spans all nodes. The pairing of blockchain and IoT offers several potential benefits, including the ability of a smart device to operate independently of a centralised authority. It can easily measure how gadgets interact with one another.

The term, Internet of Things (IoT) refers to a network of connected devices. IoT ecosystems are a collection of smart devices that are all linked together in some way. A baby monitor with a smartphone app, or an electronic dog feeder that can be managed remotely via an app, are examples of an IoT network.

The combination of Blockchain and IoT offers many potential benefits, including the ability of a smart device to operate independently of a centralized authority. It can also keep track of how different gadgets interact with one another.

While blockchain's **decentralised** nature is a structural benefit, this can be a difficulty for IoT. Consumer or commuter architecture, which is a **centralised** authority, is used by IoT platforms. Building a decentralised IoT platform would help make sure connectivity with a blockchain network, but because IoT sensors rely on central computation and storage resources, configuring them to manage their independent compute and data storage might be difficult. **Read More...**

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