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(57) Abstract :

SYSTEM AND METHOD FOR PERFORMING DATA SECURITY FOR INTERNET OF THINGS DEVICES Accordingly, embodiments herein disclose system and method for performing data security for internet of things (IoT) devices. The system comprises a network server configured to extract cellular identification of an IoT device involved in a data communication session over the cellular network and to extract IP identification of the data communication session and match the cellular identification with the IP identification. Further, the system may include a database including device security profiles of IoT devices. Furthermore, the system may include an enforcement unit configured to allow respective traffic in the session of current IoT device. The session is identified by the Internet protocol identification, only if the traffic conforms to the device security profile retrieved by the database using the cellular identification and not to allow respective traffic in the session if the traffic does not conform to the device security profile.

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