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(57) Abstract:

The present disclosure relates to a method 300 for establishing of a secure trust relationship among IoT devices. The method for securing a trust relationship involves initiating communication between a first IoT device and a second IoT device, engaging, trusted third party (TTP) as an intermediary to facilitate the establishing of said trust relationship between the first IoT device and the second IoT device; verifying, the identity of the first IoT device and the second IoT device by the TTP, ensuring that only authorized devices participate in the communication; The method involves generating, a session key by the TTP using a secure key exchange algorithm, encrypting, said session key using the public keys of the first IoT device and the second IoT device, and transmitting the encrypted session key to each respective device.

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