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(57) Abstract :

In this invention, a novel method of integrating fog computing with LoRaWAN based Cloud IoT - platforms is presented. Fog computing by definition is distributed cloud computing where the computing happens closer to where the data is generated. The purpose of fog computing is to exploit the advantage of cloud computing with the benefits of computing the data close to where it is generated. In the proposed LoRaWAN model, the LPWAN sensors collect data from the environment and send them to LoRa gateways. The LoRa gateways are intern connected to the fog computing unit. In the conventional system, the LoRa gateways are directly connected to the network server. In the novel system presented here the fog computing unit is connected to the network server. The network server is connected to the application server. As in conventional system, the cloud IoT services are executed in these group of application servers.

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