

Communication Model Using IoT Protocols for UbiPri Middleware

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Abstract:

Nowadays, cloud computing has been increasingly present in people's daily lives. The use of intelligent sensors and actuators allows context management and service discovery, combining technology with practicality. Smart electrical networks (Smart Grid - SC) are examples of intelligent systems on the rise. Smart cities (Smart Cities - SC) are made up of intelligent systems that work together,

with the aim of providing efficient solutions for the distribution of resources in a city. An example of these intelligent systems is called Smart Grid, which enables data collection through the same electrical network, providing greater control over energy consumption by consumers and service providers. In different environments, data can be obtained through sensors arranged within the context of numerous applications, generating a large flow of information from different sources. Therefore, data transmission can be carried out using models such as CoAP (Constrained Application Protocol) and OSGP (Open Smart Grid Protocol). An intelligent environment is made up of intelligent devices that have the ability to communicate with each other, using communication protocols that manage the data shared in the application (reference).

Partners:

