

Digital transformation is the only way for the development of modern enterprises. As an important carrier and means for the digital transformation of power enterprises, the Internet of Things (IoT) plays a vital role. First, this paper introduces the development background and construction of UPIoT and its technical architecture. Then the challenges faced by UPIoT in the process of construction are analyzed. An Optimal Base Stations Positioning for the Internet of Things To resolve this problem, we deal with the placement of multiple base stations; the objective is to make the most of nodes connected to base stations via one-hop communication and other Edge-Computing Architectures for Internet of Things Applications: The rapid growth of the Internet of Things (IoT) applications and their interference with our daily life tasks have led to a large number of IoT devices and enormous sizes of IoT-generated data. Application of Ubiquitous Power Internet of Things in Power Grid In order to build a pivotal, platform and shared power enterprise, the State Grid Corporation proposes to build a ubiquitous power Internet of Things with comprehensive state perception, Exploration and practice of building ubiquitous power Internet of At present, the cloud main station has functions such as basic electrical data collection, environmental status collection, dynamic topology identification, low-voltage fault analysis, Planning should be done first to build a "ubiquitous power Internet The power industry understands the "Internet of Things" as a network system that can identify, perceive, interconnect and control power grid infrastructure, personnel and the environment. Building a ubiquitous power Internet of Things is conducive to Building a ubiquitous power Internet of Things can gradually expand the proportion of electricity in energy consumption terminals. At the same time, building a ubiquitous power Internet of Exploration and Research on the Construction Method of Key constructions in eight directions are defined, including production operations, customer service, construction management, energy ecology, enterprise intermediate platform, smart Talk about the importance of building a ubiquitous power Internet The sensors in the ubiquitous power IoT can be easily deployed in all corners of the power system or directly packaged in the power equipment according to the specific application needs of the Construction of power IoT platform under digital transformation Building a comprehensive and efficient power IoT platform is the meaning of the digital transformation of power grid enterprises. It is a link between the real world and the Edge Computing Application, Architecture, and Challenges in Ubiquitous First, this paper introduces the development background and construction of UPIoT and its technical architecture. Then the challenges faced by UPIoT in the process of Edge-Computing Architectures for Internet of Things



# Building base stations for the ubiquitous Internet of Things in the power ind

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