

Application Areas of Internet of Things Data Security Governance in the SmartCity

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Abstract:

Smart cities rely heavily on technology and data to improve citizens' quality of life. However, this reliance on technology also creates significant security challenges such as cyber security threats, data privacy, interoperability and lack of necessary standards. In order to deal with these challenges and also to reduce conflicts between security and Internet of Things services in the smart city, it is necessary to consider initiatives. Data security governance is a process of ensuring data security while maintaining the efficiency and performance of the data in the areas of use. In order to use the data security governance of the Internet of Things in Houshmand city, it is necessary to identify its application areas. These areas can be calculated by considering the structure of the smart city, the Internet of Things, the structure and topic of data, as well as the beneficiaries of the data in the smart city. In this article, by studying different sources and using elite capacity, 4 main areas and 17 applied sub-areas of Internet of Things security governance in Houshmand city have been identified. Also, after identifying the areas, the effective factors on data security governance of Internet of Things in Houshmand city have been calculated.

Keywords: Data Security Governance, Internet of Things, Smart City.

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