

INTERNET OF THINGS FOR DATA SECURITY: CHALLENGES AND THREATS
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Abstract

The need for Internet of Things (IoT) devices has increased dramatically with the rapid development of Internet technology. Across the world, a significant number of smart devices with sensors and actuators are gathering data and processing it to carry out specified tasks. These services are delivered through the internet, making them an ideal target for security flaws. For the confidentiality, availability, and integrity of IoT resources to be maintained, the defences against these threats must be very effective and secure. The Internet of Things (IoT) is a collection of diverse devices that may be incorporated into one another and connected, enabling them to connect to one another and process data via the internet without human involvement. In addition to investigating dangers and security issues to IOT systems, this article highlights the security of IoT applications, their flaws and technological advantages to meet security solutions.

Keywords: IoT, security, sensors

Received 5 March 2023, Accepted 10 March 2023, Published 18 March 2023

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I. INTRODUCTION

IoT advancements have been achieved recently with the growth of wireless sensor networks, which have a wide range of applications. In many facets of human existence, including environmental monitoring, medical care, public health, ITS (Intelligent Transportation System), smart grid, and other fields, the Internet of Things has significant potential for growth and application. The Internet of Things (IOT) is a

