

Internet of Things (IoT) Security

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Abstract: *Introduce the concept of the Internet of Things (IoT), highlighting its rapid growth and widespread adoption across various industries. The Internet of Things(IoT) connects everyday devices to the Internet, allowing them to communicate and work together. However, as more devices connect, the risk of cyberattacks increases. This paper explores the security challenges faced by IoT devices, such as weak passwords, outdated software, and lack of encryption. It also discusses ways to protect these devices, like using strong security protocols, regularly updating software, and monitoring networks for suspicious activities. Ensuring IoT security is crucial to protect our data and privacy in a world where everything is becoming more connected*

Keywords: IoT Security, Authentication and Authorization, Privacy in IoT, IoT Device Vulnerabilities