

Is IoT security a nightmare?

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Abstract text The future Internet will be an IPv6 network interconnecting traditional computers and a large number of smart objects or networks. This Internet of Things (IoT) will be the foundation of many services and our daily life will depend on its availability and reliable operations. Therefore, among many other issues, the challenge of implementing secure communication in the IoT must be addressed. Providing security is challenging in the Internet and in tradition resource-constrained Wireless Sensor Networks (WSNs). It is even more challenging to enable security services in the IoT. This is because the IoT inherits the attributes of both WSNs (limited energy, processing and storage resources, lossy wireless links, unguarded deployments, and multi-hop communication) and of the Internet (globally accessibility, unique identity, scalability, etc.). This talk will discuss these challenges and address solutions to overcome these challenges.