A Hybrid Security Framework for IoT Networks

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Introduction

IoT is defined as a pervasive ubiquitous network for a wide range of smart devices and smart applications to improve our life quality. IoT is attractive to the attackers, since IoT devices are usually 24/7 online and have weak protection due to limited resources. Complex protection mechanisms of the traditional Internet can not be directly applied for IoT networks. This project proposes new solutions with a comprehensive customizable security framework for IoT networks and lightweight mechanisms adapting to specific issues of heterogenous IoT devices and applications. In addition, the project provides a platform for IoT monitoring and detection system, and a multimedia IoT gateway platform for secure cross-platform screen sharing (Smart Office).

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