Factsheet

JOINT PUBLICATION OF THE IoT SECURITY LANDSCAPE STUDY BY SINGAPORE AND THE NETHERLANDS

The number of IoT (Internet-of-Things) devices is projected to reach a staggering 20.4 billion globally by 2020[1]. This trend poses significant cyber risks as this would mean that threat actors have an expanded attack surface to launch malicious cyber activities. For example, consumer IoT could also be exploited to become botnets to launch Distributed Denial of Service (DDoS) attacks.

The IoT Security Landscape Study is jointly commissioned by the Cyber Security Agency of Singapore (CSA) and Ministry of Economic Affairs & Climate Policy of the Netherlands, under the Memorandum of Understanding with the National Cyber Security Centre (NCSC) of the Netherlands.

The study identifies and groups eleven IoT security challenges into three categories - "Principles, Governance and Legislation", "Ecosystem Development" and "Technical References and Standards", based on an analysis of the current technological and policy landscape. It also proposes recommendations that countries can adopt to address the identified challenges, drive standards, and seed innovations to better secure IoT systems. The Study is only the first step in forging a secure and resilient IoT ecosystem. The implementation of the recommendations proposed will require strong Government and industry partnership. The study will be published on CSA's website on 2 October 2019.

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[1] https://www.gartner.com/newsroom/id/3598917