

Power-Aware Security Protocols for the Internet of Things

Tiago Diogo

Instituto Superior Técnico, Avenida Rovisco Pais 1, Lisboa,
`tiago.diogo@tecnico.ulisboa.pt`

Abstract. The abstract should summarize the contents of the paper using at least 70 and at most 150 words.

Keywords:

1 Introduction

2 Main Goals

3 Related Work

3.1 Protocol Analysis and Selection

3.1.1 Web Protocols

place here a study on web protocols, focus on http and show how it works and how spread it is. provide a study on resource consumption, laying the bed for the next section(iot protocols)

3.1.2 IoT Protocols

do a large analysis of mqtt, coap and 6lowpan protocols. provide tables with differences between mqtt and coap from the study paper [1]

3.1.3 IoT Protocols Security and Improvements

related work regarding protocol improvements and security (citar aqui os papers fixes) coap security analysis (citar aqui que isto ainda não está a ir buscar sozinho e fazer à mão não pode ser)

3.2 Attack Analysis, Detection and Prevention

3.2.1 Internet Attacks

do some work identifying threats to the web in general

3.2.2 IoT Attacks

4 Proposed Solution

5 Work Evaluation

6 Work Planning

7 Conclusion

References

1. Ma, X., Valera, A., Tan, H.x., Tan, C.K.y.: Performance Evaluation of MQTT and CoAP via a Common Middleware. (April) (2014) 21–24