Design Description Document

Version 1.0

Cybersecurity Monitoring Client Design Description

For research project: Cybersecurity Considerations for Blockchain Systems

Outline:

1. Introduction: Objectives and reference to the Requirement document
2. Target IoT device Description
   a) Hardware platform
   b) Operating System & Programming Environment
   c) Basic Functions of IoT
   d) IP address
3. Cybersecurity Monitoring Client (CMC) Description
   a) Position in architecture
   b) Functions
   c) Interfaces
4. Implementation/Coding Description
   a) Function calls for getting Static Information & Internal data structure
   b) Function calls for getting Dynamic Information & Internal data structure
      • Will do for each parameter type stated in the req doc
      • Will also state the periodicity, which should be a settable variable for each parameter
5. Pushing the parameters to the Hyperledger Server:
      • Describe how it is done
      • List the REST messages/calls
6. Next steps
7. Concluding Remarks