



asvin

Secure Updates in Internet of Things

Stuttgart, Germany

Seed company established in **2018**

Teaser of the company

Blockchain Secured Update Distribution for Internet of Things. asvin.io provides a distributed ledger secured update solution for the Internet of Things.

IoT / IIoT vendors and operators can organizing the distribution of updates from sender to the connected devices via asvin.io cloud solution. The Internet of Things has become a reality, with tens of billions of devices expected to be connected to the Internet by 2020.

At the same time the number of cyber threats is continuously growing. The scale of the problem makes the need to act even more urgent. Recent cybersecurity reports figures show that digital threats are evolving fast. Unsecure unpatched products and less responsibility in the supply chained has been identified by cybersecurity authorities as one main sources of the problem.



Blockchers Use Case Scenario

asvin.io will implement the following use case scenario

End User SME

asvin.io is using DLT for a decentralized trust layer in the distribution of updates and patches over the air (OTA).

Hashed Fingerprints of patches and IoT Devices will be stored immutable. By DLT the system can check, if a device is supplied and operated with intended firmware files.

This is protecting IoT devices on manipulated firmware or getting captured by botnets. In SME use case we will adding our open sourced libraries and DLT protocols to sensors in the tsenso food monitoring system.

Notes:

Team making asvin.io great

