



Software Decisions

Software	Difficulty	New	Hack	Use
Zero Knowledge Proofs	V hard	No	Existing projects http://eprint.iacr.org/2013/507.pdf	Nothing proven / known about
Firmware installer	Med	No		Must be existing need to find open source arduino, tessell, raspberrypi, texasinstruments etc.
Sensor API	Med	Yes, standard REST		
Scripting Language	Hard	Yes	Use JS to imply	Look at solidity from Ethereum
Mapping Protocol	V hard	Yes core new innovation rules based (narrow AI)	No	no
Currency	Hard	Yes, application of existing computation complexity formula and arbitrary quality measurements PtoP VM secure		
Emergent PtoP protocol	V hard	Yes rules connecting hypothesis in an autonomous manner	No	No
Seeding	Hard	Yes, allow a sensor and personal blockchain to	No	No

		enter the network and count for currency calculations		
Proof of Data	V hard	Yes	Maybe	Use of existing blockchain e.g. factum or ethereum blockstream etc.
Cryptography	Hard	Yes limited to new capabilities required	No	No
Consensus	V hard	Yes, context dependent	No	No
VM	V hard	Maybe or will existing Dapps protocol be able or open to facilitate?		