

IEEE World AI IoT 2021 IoT Workshop

Blockchains With Virtual Raspberry Pis

2021-03-12

Phillip G. Bradford¹

GOAL

Showing how to compute pseudo-blockchains using virtual Raspberry Pis.
These are not blockchains, but they are a related clockchain structures.

SUBGOALS

Basic principles of distributed computing and consensus

Basic principles of digital money

¹ University of Connecticut, Stamford, CT USA, phillip.bradford@uconn.edu, phillip.g.bradford@gmail.com

METHODS & TOOLS

QEMU virtual machines supporting ARM Raspberry Pis

MacOS

Windows 10

Python 3 and Python libraries

COPYRIGHTS AND LIABILITY

COPYRIGHTS

All copyrights remained owned by their respective parties. This entire workshop is copyrighted by Phillip G. Bradford © 2021.

This workshop is by Phillip G. Bradford and all statements and opinions are his alone and do not necessarily reflect those of the IEEE or CCWC.

RELEASE OF LIABILITY

We leave it to the user to validate and check for security issues on all software.

The systems you install, for this workshop, are at your own risk - we cannot assume any implicit or explicit responsibility for their behavior, risk or damage.