

# IEEE World AI IoT 2021 IoT Workshop

## Introduction and Workshop preparation

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### PREPARATION FOR DISTRIBUTED COMPUTING RASPBERRY PI WORKSHOP

Thank you for participating in this workshop!

Parts 1 and 2 should be completed a day or two in advance of the workshop. The workshop is Part 3.

### LIMITATIONS

No Chromebooks

No tablets (iPads, Android)

Only MacOS and Windows 10, no Linux/Unix machines

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## SHOULD HAVE

Windows 10 (20H2)

MacOS BigSur

Assuming at least 15 Mb download speed

Assuming 50 GB free of SSD or free hard disk

Ideally at least 8 GB of RAM

## PART 1 AND PART 2 GOALS

1. Install QEMU
2. Sanity test QEMU for ARM images
3. Download Raspberry Pi image
4. Test Raspberry Pi image on QEMU

## STRATEGY

Prepare your machine for the workshop well in advance. Parts 1 and 2 should be completed one or two days in advance.

## TACTICS

Part1 has two major steps

	Windows	MacOS
Install QEMU	Video + Notes	Video + Notes
Sanity test QEMU		

Part 2 has two major steps

	Windows	MacOS
Download Raspberry Pi image	Video + Notes	Video + Notes
Test Raspberry Pi image on QEMU	Video + Notes	Video + Notes

Now you should be ready for the workshop in Part 3!