

Workshop preparation

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Preparation for Distributed Computing Raspberry Pi Workshop

This is Part 1 and Part 2 of the preparation before the workshop. Parts 1 and 2 should be completed a day or two in advance of the workshop.

Limitations

- No Chromebooks
- No tablets (iPads, Android)
- No Linux/Unix machines (you are on your own)

Should have

- Windows 10 (20H2)
- MacOS BigSur
- Assuming at least 5 Mb download speed
- Assuming 30 GB free of SSD or hard disk
- Ideally at least 8 GB of RAM

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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
5. Test two Raspberry Pi images on QEMU on your machine

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 the major steps

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

Part 2 has the major steps

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