### **Blockchain Technical Notes**

# Installing QEMU on Windows 10/11

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### **SUMMARY**

This document shows how to install the QEMU virtual machine system on Windows 10/11.

This is for Blockchain Tech Notes, by Phillip G. Bradford

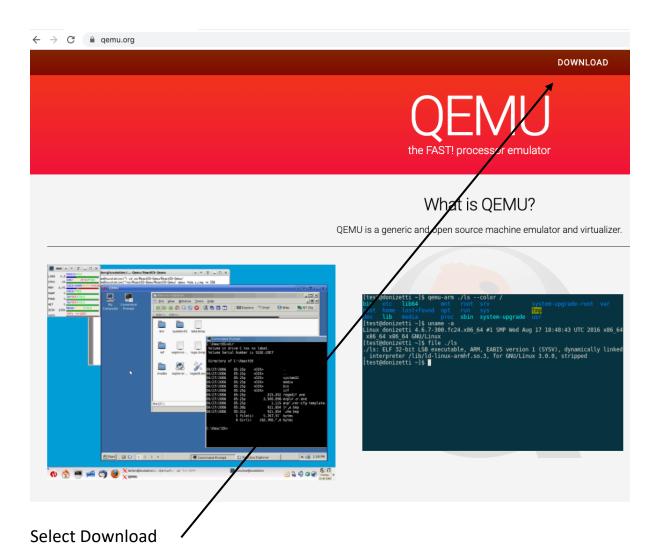
#### **DETAILS**

This is Part 1 QEMU-Install of the Preparation for the virtual Raspberry Pi set up.

Part 1 has several sub-steps. In most cases with 15MBit internet connections, we expect Part 1 to take several hours. Part 1 may require up to 2GB of storage.

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### STEP 1: GO TO WWW.QEMU.ORG

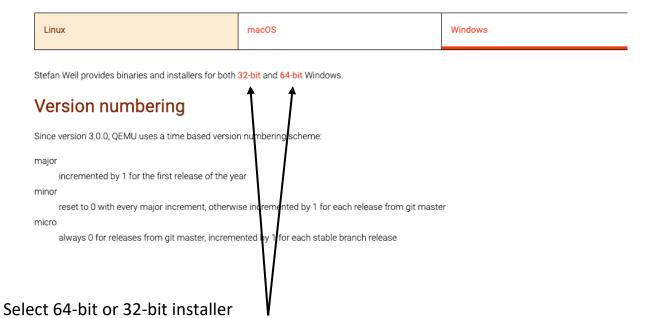


# Download QEMU

Linux	macOS	Windows
Stefan Weil provides binaries and installers for both 32-bit and 64-bit Windows.		
Version numbering		
Since version 3.0.0, QEMU uses a time based version numbering scheme		
major incremented by 1 for the first release of the year		
minor		
reset to 0 with every major increment, otherwise incremented by 1 for each release from git master micro		
always 0 for releases from git master, incremented by 1 for each stable branch release		

### Select Windows

## Download QEMU



Download the installer (about 180MB).

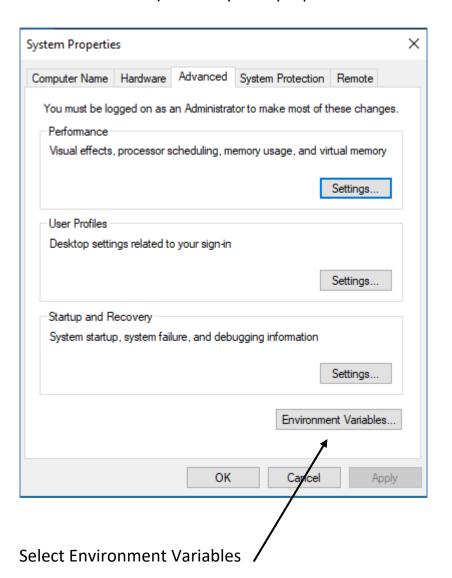
Run the installer once it is downloaded Ensure you agree with the terms-and-conditions

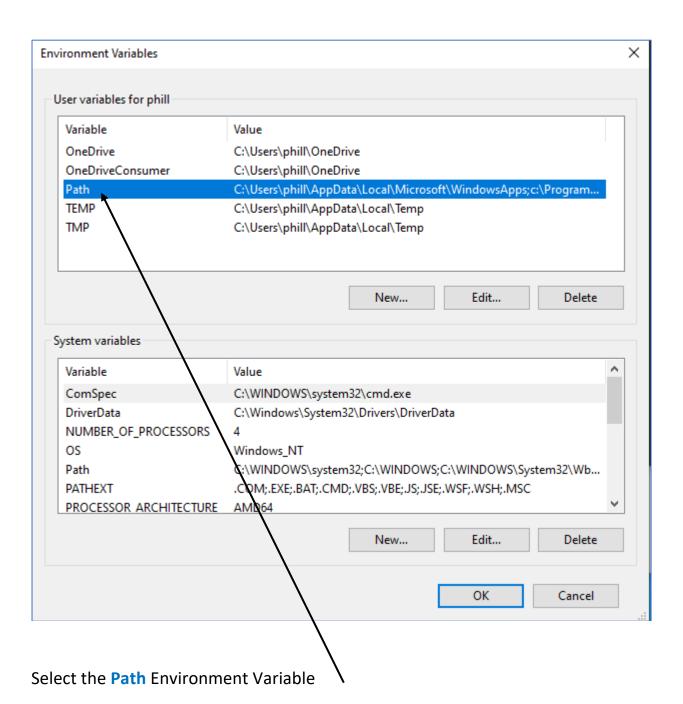
Almost all Windows 10 machines are 64-bit machines

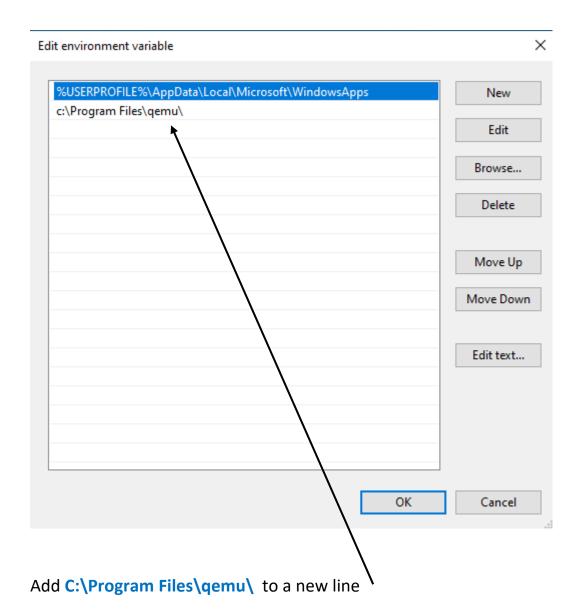
#### STEP 2: UPDATE ENVIRONMENT VARIABLES

The standard location for installing QEMU is C:\Program Files\qemu\

This must be set up in the system properties







Select OK to each of the following

- 1. Edit Environment Variable
- 2. Environment Variables
- 3. System Properties

#### STEP 3 SANITY CHECK QEMU INSTALL

Open a new Terminal and verify the version of qemu-system-arm is 5.1.92:

Get a Command Prompt (a terminal)

```
C:\Users> qemu-system-arm -version
QEMU emulator version 5.1.92 (v5.2.0-rc2-11843-gf571c4ffb5-dirty)
Copyright (c) 2003-2020 Fabrice Bellard and the QEMU Project developers
C:\Users>
```

**Windows 10>** qemu-system-arm -version

QEMU emulator version 5.1.92 Copyright (c) 2003-2020 Fabrice Bellard and the QEMU Project developers

### NOTES

The QEMU system requires under 2GB on disk.