

Advanced Data Management (CMM524)

Guide to Running the Virtual Machine

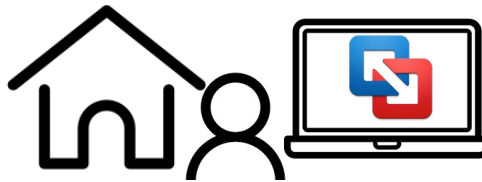
1. Background

The CMM524VM virtual machine that we use in CMM524 has MySQL, Hadoop, Pig, etc. installed. It runs on VMWare Workstation Pro in Windows, or VMWare Fusion in MacOS. Running the VM thus requires 2 things:

1. Installed the virtualisation software: VMWare Workstation Player on Windows, or VMWare Fusion on MacOS.
2. Copy the CMM524VM VM image file to the PC/Mac and open it using VMWare.

2. Different Ways of Using the CMM524VM Virtual Machine

2.1. Approach 1: Local Installation on Your PC/Mac

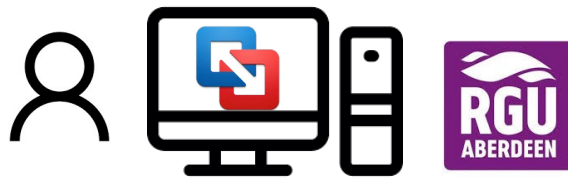


If you want to use your own laptop, you can install VMWare and the CMM524VM VM onto your own machine. *In my opinion this is the best option* as you can use it anytime, and your files in the VM stay in your own machine.

To do this, you have to:

1. See the “Running the Virtual Machine” section Campus Moodle, which contains links to download VMWare and the virtual machine image.
2. Get VMWare and install it on your laptop.
 - Use the appropriate link for your machine. e.g. Windows vs MacOS.
3. Download the VM image. See the link in CampusMoodle.
4. The download file is a ZIP archive. Decompress the ZIP file.
5. Now you can open the VM with VMWare.

2.2. Approach 2: Using Lab PC in N528 & N529



PCs in lab N528 & N529 have VMWare and the CMM524VM VM ready for use.

Notes:

- Files are stored locally in the VM. That means they won't be available in a different PC.
- All VMs use the same username and password. That means all students can see your files in a VM. Do not store confidential data/files in a VM. Delete and purges them after use.