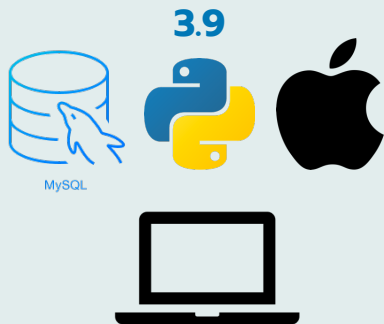




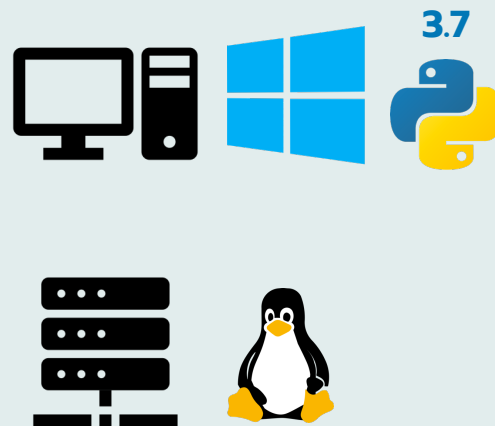
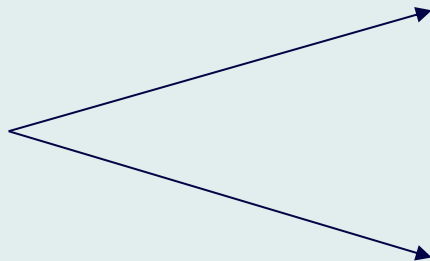
What is it?

Docker is an open platform for **developing, shipping,** and **running** applications. It allows users to **package** and run an application in an **isolated environment** called **containers.**

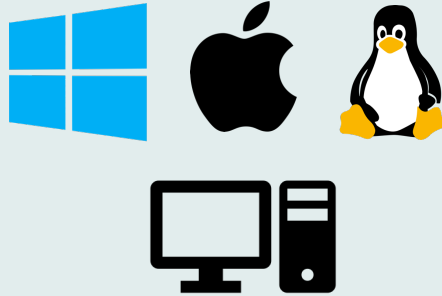
The problem



- Missing files
- Different software versions
- Different configurations

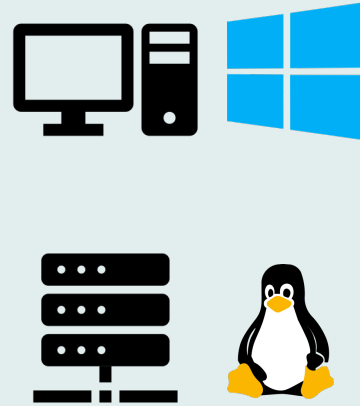
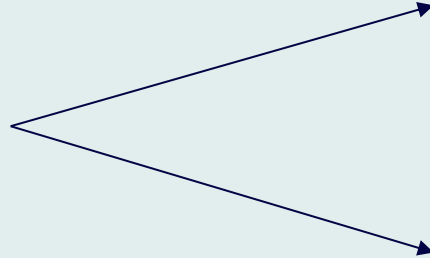
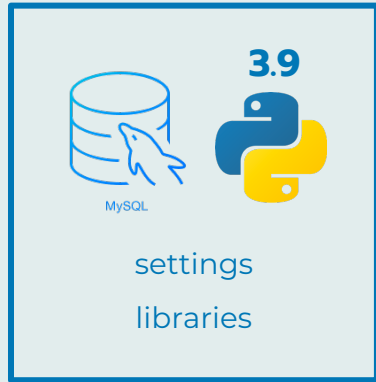


Solution 1: virtual machines

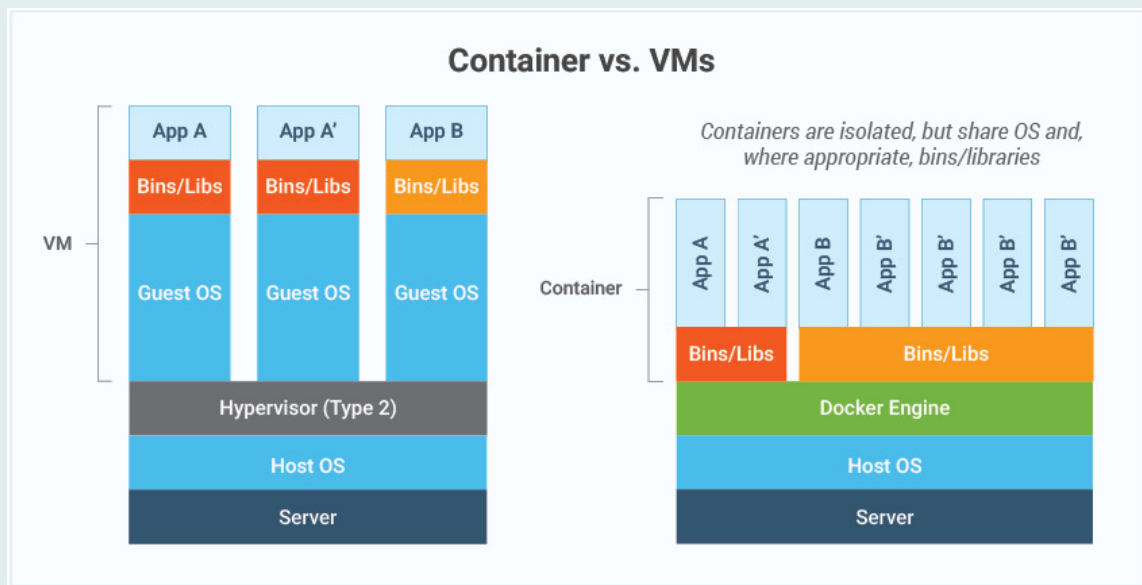


- Takes up storage
- Uses more memory
- Slow to run

Solution 2: containers



Virtual machines vs containers

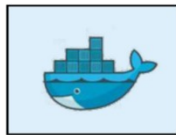


Docker components



Dockerfile

Build



Docker
Image

Run



Docker
Container

Dockerhub

1 - 25 of 9,288,725 available results.

Suggested ▾



alpine

DOCKER OFFICIAL IMAGE

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A minimal Docker image based on Alpine Linux with a complete package index and only 5 MB in size!

Linux ARM ARM 64 386 PowerPC 64 LE riscv64 IBM Z x86-64



busybox

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python

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Python is an interpreted, interactive, object-oriented, open-source programming language.

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postgres

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Thank you

