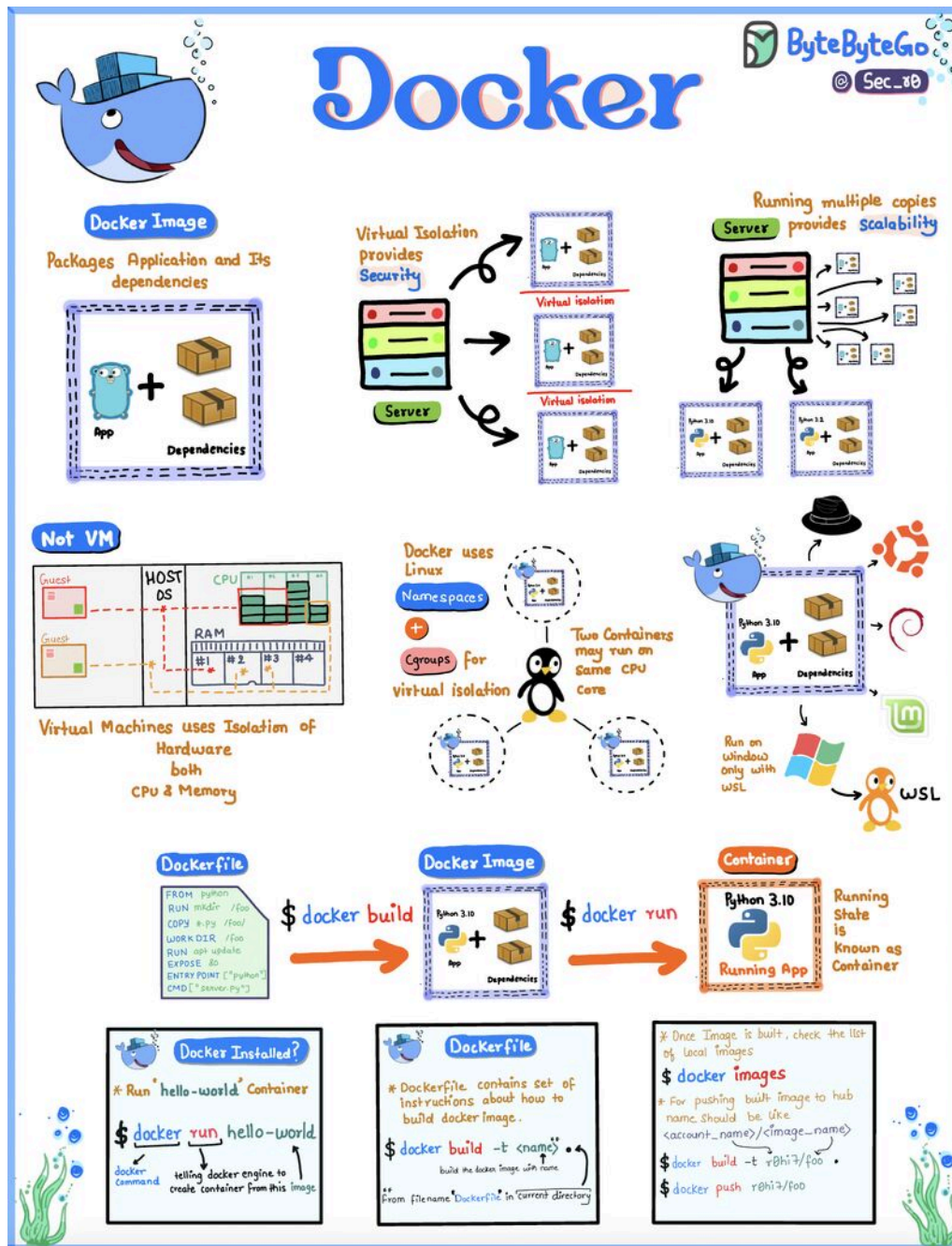


Docker 101: Streamlining App Deployment



Fed up with the "it works on my machine" dilemma? Docker could be your salvation!

Docker revolutionizes software development and deployment. Explore the essentials:

1. Bundle Everything: Docker packs your app and its dependencies into a portable container – code, runtime, tools, libraries, and settings – a tidy, self-contained package.

2. Virtual Isolation: Containers offer packaging and isolation. Run diverse apps with different settings on a single host without conflicts, thanks to Linux namespaces and cgroups.
3. Not VMs: Unlike resource-heavy VMs, Docker containers share the host OS kernel, delivering speed and efficiency. No VM overhead, just rapid starts and easy management. ⚡
4. Windows Compatibility: Docker, rooted in Linux, works on Windows too. Docker Desktop for Windows uses a Linux-based VM, enabling containerization for Windows apps.