

# Docker with Kubernetes + Swarm Container Images: Where To Find Them and How To Build Them

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## 1. What's in an Image? (And What Isn't)

- An image contains the binaries and the dependencies for the application and the metadata on how to run it.
- Official definition: “An image is an ordered collection of root filesystem changes and the corresponding execution parameters for use within a container runtime.”
- Inside the image, there's **not** actually a complete OS. There's **no** kernel, kernel modules (e.g. drivers).
- An image can be as small as one file (the app binary) like a golang static binary
- Or it could be as big as a Ubuntu distro with apt, and Apache, PHP, and more installed.