

Why docker?

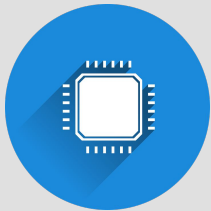


- Build Once, Deploy everywhere
- Resources are Isolated
- Environment Standardization

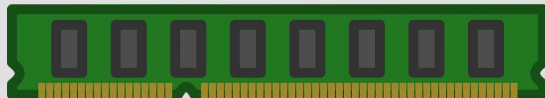
Docker containers



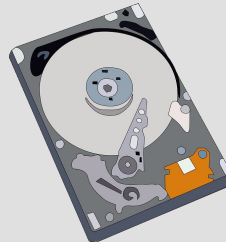
CPU



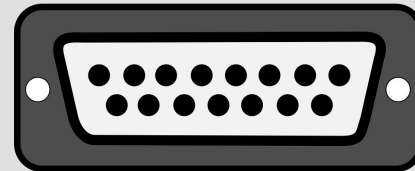
RAM



Storage

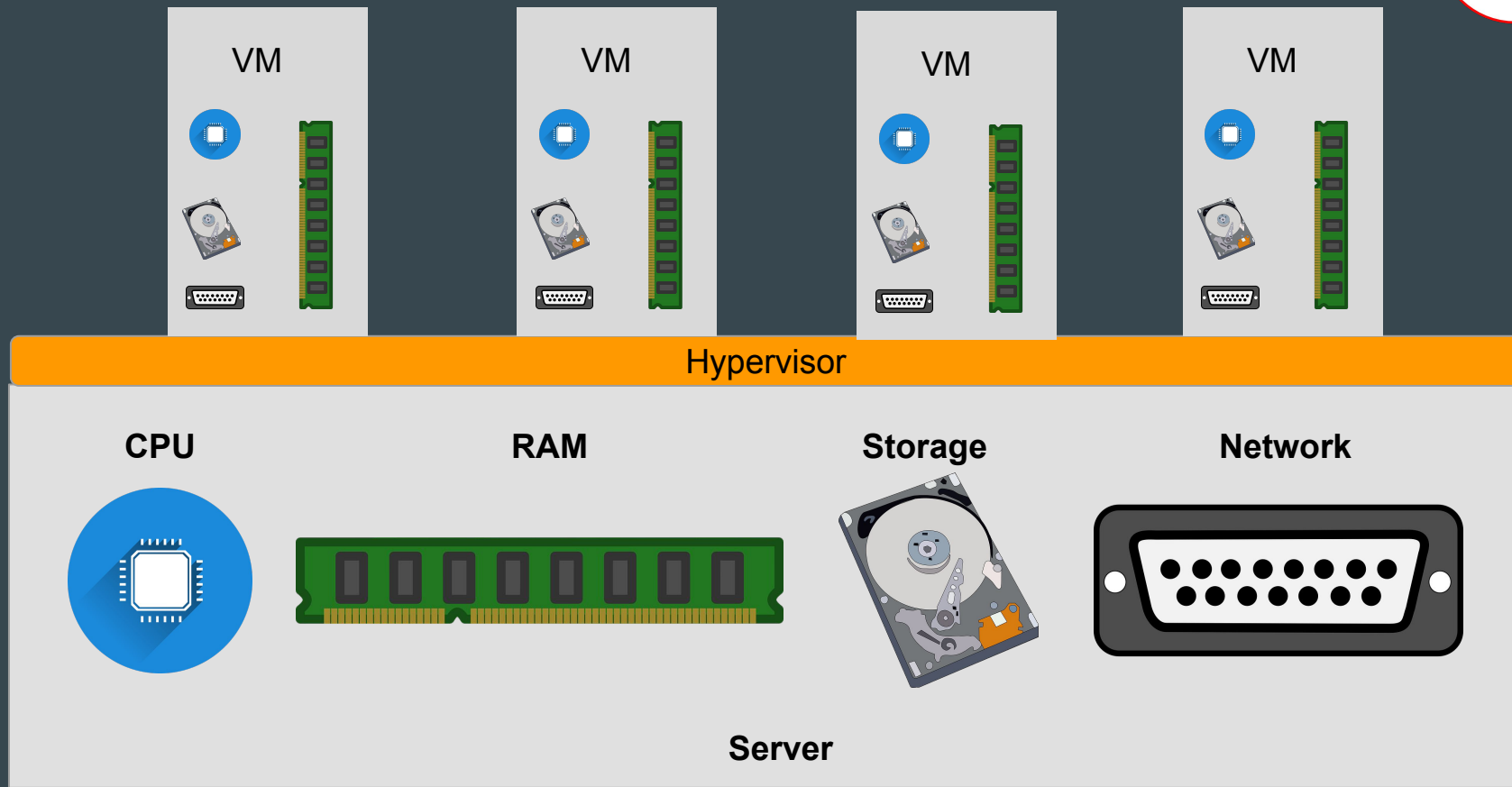


Network

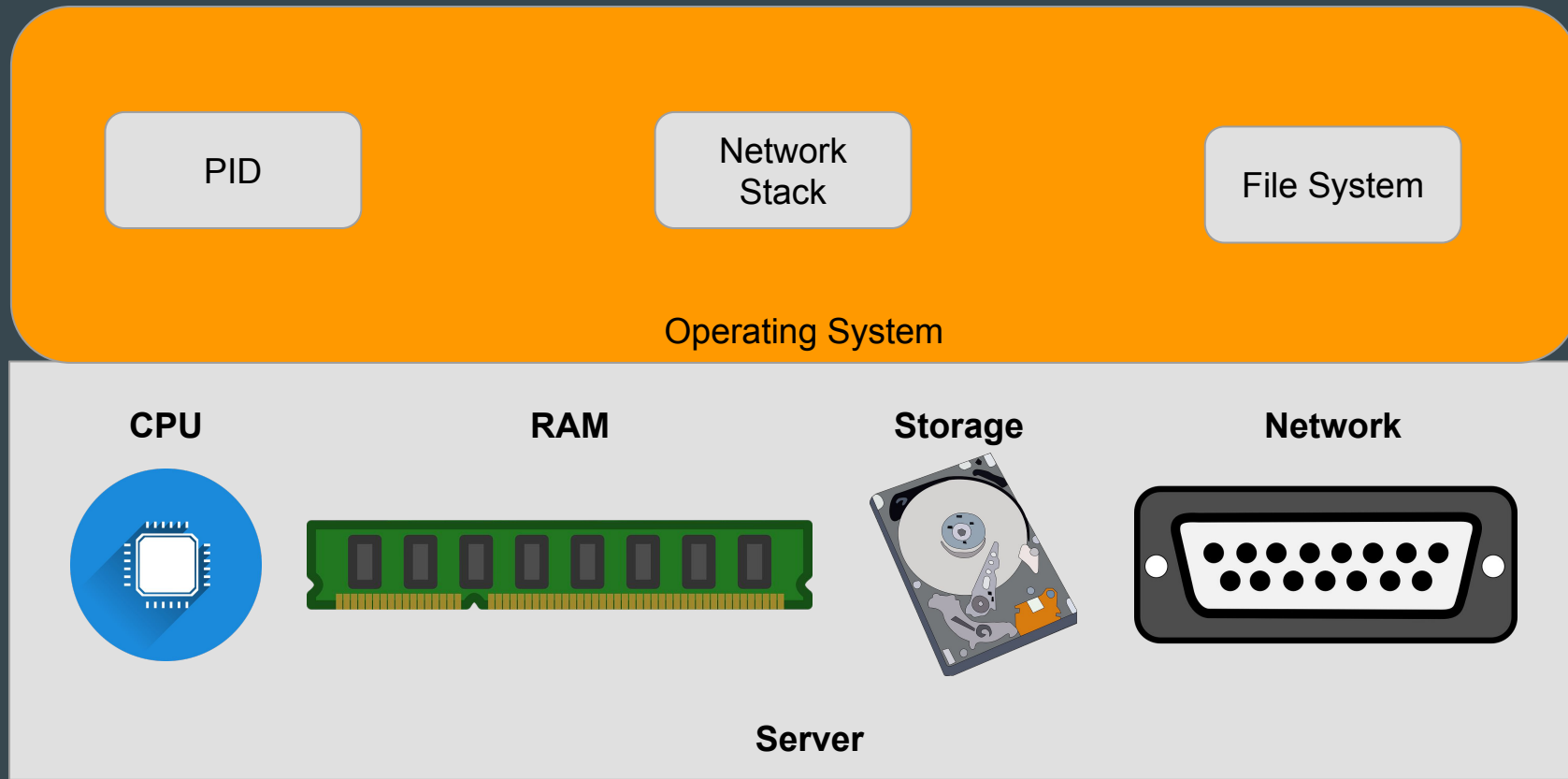


Server

Docker containers



Docker containers



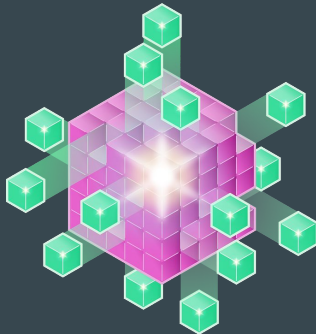
Importance of docker in Machine Learning



Use libraries with
complicated setup
process



Reproduce Environment
Reproduce Output



Isolation
Portability



kaggle

Where DevOps meets Data Science



- Analytics Ops
- From Lab Experiment to a technology that can be operationalized
- Framework that makes Analytics digestible

Summary



Why Docker?

Docker containers

Importance of docker

DevOps meets Data Science