Host

Processes

- → PIO 1
- → PIO 2
- P10 N
- Docker Daemon
- & First thing to notice: Pocker Daemin runs as a process just like on other process on the host. THEREPORE it can band is elf to ports on the host!
- 4 AND, most commenty, the
- bocker barmon it going to bind itself to whatever ports the containers running on the nost one listening
- * THERBRORY, the docker documen process scoms to ad as a rouler that sits between the host and all of the different docker networks on that hest!

Docker Daemon

- Doder Metwork 2
- Oacker Network n
- * you can imagine each doctor network as sitting behind its own little reuter with own Ip Address. THEN, just like in subnetting. the "docker docmon router" will use "NAT rutes" to brued requests to unichmer rouler (IP) is associated w that service port.
- # by default, each container is run in its own isolated subject == doctor bridge network. You can imagine this means that if sits behind its very an router!

Docker Network

- container 1 - container 2
- container n
- * Who each docker network could be any # of conformers, just like there could be any & of devices on your subnet at home!
- * By default, each container is notated in its own docker subject, but containers can be adoled to the same docker network (submet) if desired which is most well when you want one container to easily talk to the other!
 - Lo In this config. the subneturner reuter will automotically create one resolving rules to resolve container names to mois respective addlesses to make referency coon other Mone seamless!
- * Big note: these docker submets that I'm referencing around some magical docker construct! - NO - Run ip addit to see all of the different virtual nethods that docker creats!

The docker danner docent nogically hide these owney it just manages them, bureally!

And that's really all the docker Daremon Longine itself is: A tool for managing the containers in a container runtime and how data is routed between these containers!

