- Goal: Uniformed software packing and execution

 Standard packaging isolate lightweight application
- CoW, Copy-on-write strategy

 D creazione di nuove Layer

 quando si avvia

 un container un

 piccolo containere layer D small as

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 viene aggivato possible immagine
- Exec -D to execute a command with in a running container
- Hard limit -b container to use no move than a given amount of the resource
- Soft limit -D container to use as much resurce as it need unless certain condition are met
 - Volumes -o directory mounted into the container
 - Bind mount -10 referenced by its path
 - ONBUILD -D command as an Instruction the parent Docker file gives to child Dockerfile
 - VOLUME -D create a mount point with name and marks it as an holding externally mounted volume
 - EXPOSE -D doesn't actually publish the port, inform

- CNM - Soundbook, endpoint, network, cluster

by y group of group or

the descrive container's veth, group of group or

networke network stack only one endpoint Docker nort

networke network stack

network one

sondbook

-D Network naspace o isolated network stack

- host -D direct and full access to the nost namespace
- overlay -> networking that can spon multiple nost,
- overlay -> networking that can spon multiple nost,
- overlay -> networking that can spon multiple nost,

- Service -12 are containers in production

Let a set of replicas of cartainer

Scaling

change num

and only service that have no bounded of replicas

part can be scaled using compose

- Docker Swarm -D a group of macrines, running Docker in a cluster

security, networking, state e initialization

the desired state of controll loop