Containers From Scratch

Namespaces

User Namespace

- everything on a Linux system is some sort of file
- file permissions are the first line of defense against an application that may misbehave
- The primary way Linux handles file permissions is through the implementation of users
- User namespaces are a hierarchy
- the **root** user on the Linux system can see and interact with *all* files on a system
- uid_map:
    - ID-inside-ns
    - ID-outside-ns
    - range

Hierarchy of user namespaces