



Contribution ID: 252

Type: **not specified**

pivot_root() & MS_SHARED

Tuesday, November 13, 2018 2:00 PM (30 minutes)

The `pivot_root()` operation is an essential step in virtualizing a container's root directory. Current `pivot_root()` semantics require that a mountpoint is not a shared mountpoint. If it is, the `pivot_root()` operation will not be allowed. However, some containers need to have a virtualized root directory while at the same time have the root directory be a shared mountpoint. This is necessary when mounts between the host and the container are supposed to propagate in order to have a straightforward mechanism to share mount information. In this talk we will explain the original reason for blocking `pivot_root()` on shared mountpoints and start a discussion centered around a patchset that is a necessary precondition to safely enable `pivot_root()` on shared mountpoints.

I agree to abide by the anti-harassment policy

Presenters: BRAUNER, Christian (Canonical); PAI, Ram (IBM)

Session Classification: Containers MC