Mount Injection API in LXC

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Problem

Inability to {u}mount a resource into a running container without restart (for the example with restart look here [1]) – basically, what we call ‘mount injection’.

Workarounds? :)

Радикальный мир программирования

Спайк
Manual mount

- Host mount namespace gets polluted
- LXC implementation details used
- May fail anyway 😊
  - If rootfs mounted with MS_PRIVATE
Using LXD

```
lxc config device add <container> <name> \\<type> [key=value]...
```

```
lxc config device remove <container> <name> \\<type> [key=value]...
```

- Go’s multithreaded runtime (hi, `setns`!) 
- Logically inappropriate
Now what?
What we want is this
What we do is this:
What we *do* is this:
What we *do* is this:
What we do is this:
What we *do* is this:
What we do is this:
Profit

- Pure C in holy LXC
- The mount point is shared and does not rely on the container’s root propagation type
Thanks!

Questions?