MANAGEMENT AND MONITORING OF DATABASE SPECIFIC LINUX CONTAINERS MADE EASY

RASHMI GULHANE(ME SS)

LINUX(LXC) CONTAINER

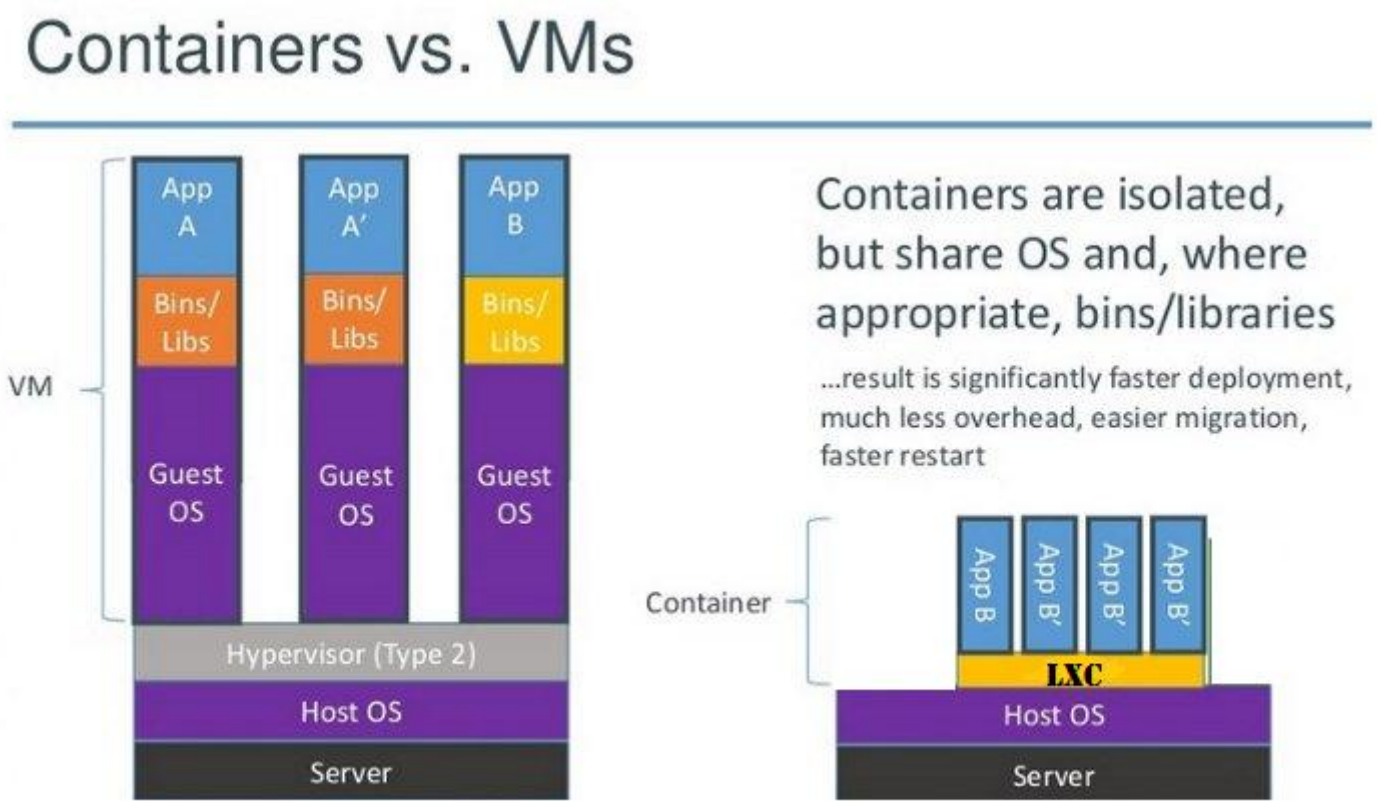
WHAT IS LXC CONTAINER

LinuX Containers (LXC) is an operating system-level virtualization method for running multiple isolated Linux systems (containers) on a single control host (LXC host). It does not provide a virtual machine, but rather provides a virtual environment that has its own CPU, memory, block I/O, network, etc. space.

FEATURES

- Lightweight and resource-friendly
- Comprehensive process and resource isolation
- Run multiple versions of an operating system on a single serve
- Rapid and Easy deployment

CONTANER VS VIRTUAL MACHINE



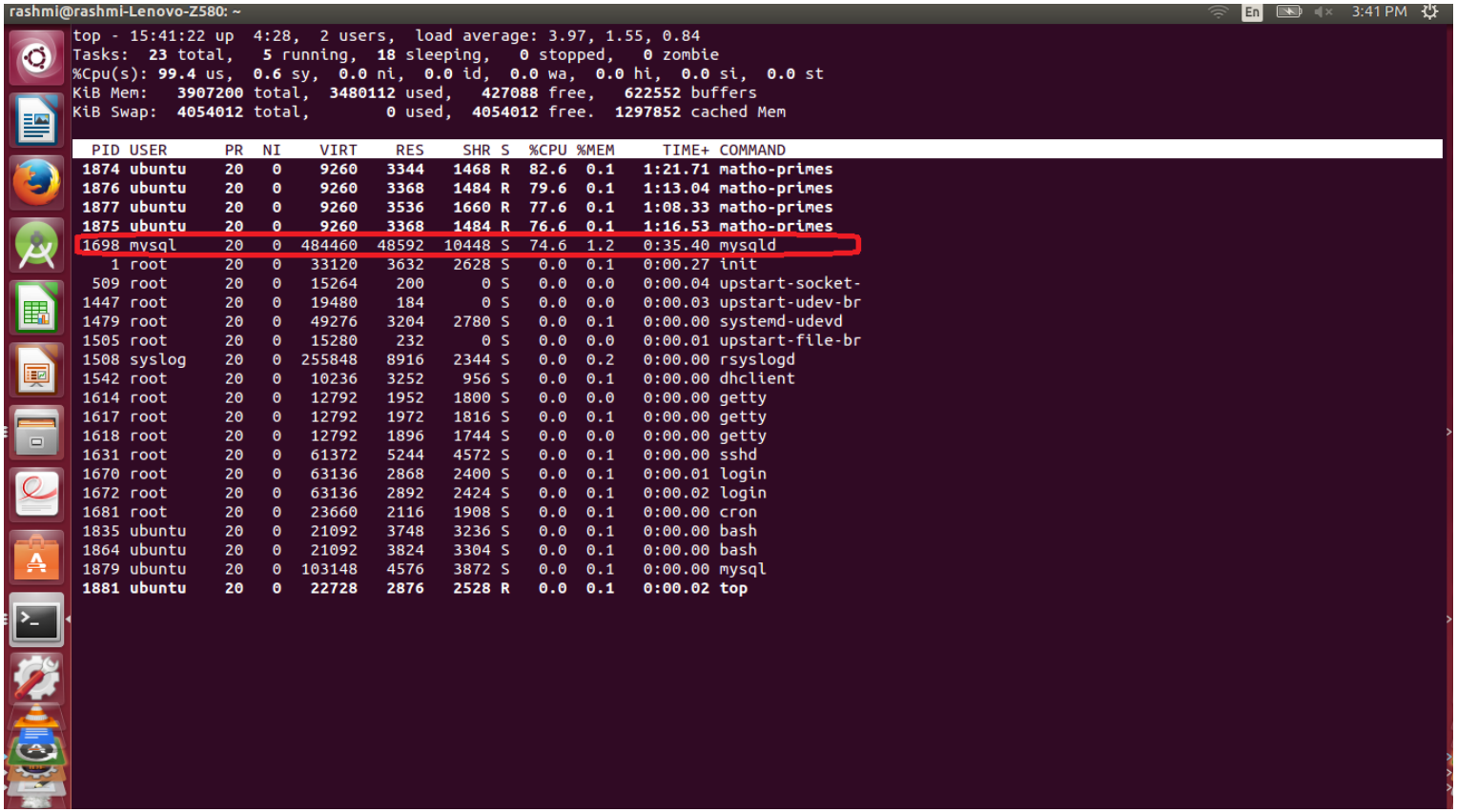
RESOURCE PROVISIONING & INSTANCE CAGING

- What does it mean in LXC Conatiners
- Feature used to provide Resource Provising - Cgroups
- Concept of Resoucre Caging is Applied due to server consolidation
- Partitioning Approach is used in Instance Caging

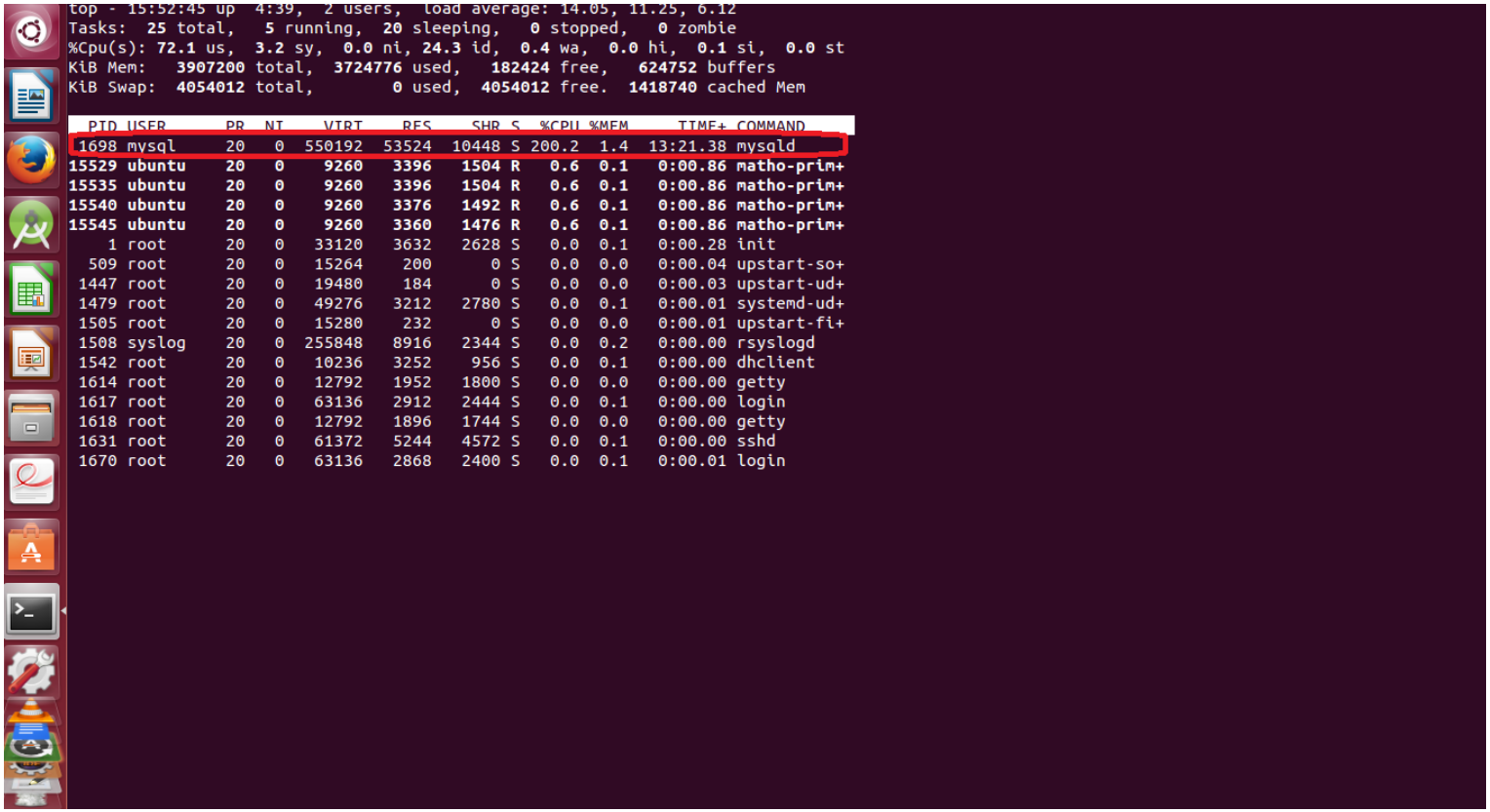
APPLICATION

- PROCESS ISOLATION
- SANDBOXING(TESTING)
- RESOURCE MANAGEMENT

PROTOTYPE - WITHOUT RESOURCE PROVISIONING



PROTOTYPE - WITH RESOURCE PROVISIONG



THANK YOU