

lxc containers

just reading though the lxc containers documentation on proxmoxes wiki, key take aways are such

- containers are lightweight (duh)
- no live migration due to technical limitations (migrations are handled by restarting the container but this is quick because containers are light)
- only linux systems can be emulated (containers)
- for security reasons containers run separate namespaces and some syscalls are not allowed in containers (im not sure I fully understand this point but it sounds like podman where it locks stuff down more than docker for security)
- You can use proxmox ve firewall and high availability framework with containers
- the goal of lxc containers to provide benefits of a vm without additional overhead. LXC containers should be thought of as system containers instead of application containers (docker style containers (generally))
- Proxmox recommends if you want to run applications like you would with docker to do it in a vm with docker installed so all syscalls and other stuff like live migration is available along with stronger isolation from the host system.

all in all, I could be somewhat wrong about LXC containers and if we want to spin up quick crash and trash systems we could consider them as viable test platforms. the live migration being lost is a bit of a bummer.

https://pve.proxmox.com/wiki/Linux_Container

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