

cgroups & namespaces

cgroups

<https://wiki.archlinux.org/index.php/Cgroups>

Everything You Need to Know about Linux Containers, Part I: Linux Control Groups and Process Isolation

<https://www.linuxjournal.com/content/everything-you-need-know-about-linux-containers-part-i-linux-control-groups-and-process>

docker alternatives

Rancher

<https://rancher.com/>

Implementations

https://en.wikipedia.org/wiki/Operating-system-level_virtualization#Implementations

Open Container Initiative

<https://www.opencontainers.org/>

runc

<https://github.com/opencontainers/runc>

Singularity

<https://sylabs.io/>

unikernel

Unikernel

<https://en.wikipedia.org/wiki/Unikernel>

Rump kernel

https://en.wikipedia.org/wiki/Rump_kernel

k8s

Kubernetes Flaw is a “Huge Deal,” Lays Open Cloud Deployments

<https://threatpost.com/kubernetes-flaw-is-a-huge-deal-lays-open-cloud-deployments/139636/>

k8s network pain

Using a Service to Expose Your App

<https://kubernetes.io/docs/tutorials/kubernetes-basics/expose/expose-intro/>

Kubernetes Networking

<https://www.slideshare.net/CJCullen/kubernetes-networking-55835829>

k8s gpgpu

Using GPGPUs with Kubernetes

<https://blog.ubuntu.com/2018/12/10/using-gpgpus-with-kubernetes>

Schedule GPUs

<https://kubernetes.io/docs/tasks/manage-gpus/scheduling-gpus/>

General-purpose computing on graphics processing units

https://en.wikipedia.org/wiki/General-purpose_computing_on_graphics_processing_units

k8s alternatives

Swarm mode overview

<https://docs.docker.com/engine/swarm/>

Find out exactly where the Docker Swarm architecture is heading

<https://searchcloudcomputing.techtarget.com/news/450413203/Find-out-exactly-where-the-Docker-Swarm-architecture-is-heading>

Apache Mesos

<http://mesos.apache.org/>

Cattle

<https://github.com/rancher/cattle>

Rancher

<https://rancher.com/>

Kubernetes HPA Autoscaling with Custom and External Metrics

<https://medium.com/uptime-99/kubernetes-hpa-autoscaling-with-custom-and-external-metrics-da7f41ff7846>

(gone)

<https://kubernetes.io/docs/concepts/cluster-administration/cloud-providers/>

Dynamic Volume Provisioning

<https://kubernetes.io/docs/concepts/storage/dynamic-provisioning/>

lab - a kernel for docker

Obtain kernel config from currently running Linux system?

<https://superuser.com/questions/287371/obtain-kernel-config-from-currently-running-linux-system>

Index of /slackware/slackware64-current/kernels/huge.s/

<https://mirror.yandex.ru/slackware/slackware64-current/kernels/huge.s/>

Kernel

<https://wiki.gentoo.org/wiki/Docker#Kernel>

Use a host kernel with Docker support

https://www.ibm.com/support/knowledgecenter/en/linuxonibm/com.ibm.linux.z.ldvd/ldvd_c_fixes_bldhost.html

docker/contrib/check-config.sh

<https://raw.githubusercontent.com/docker/docker/master/contrib/check-config.sh>

runc/script/check-config.sh

<https://github.com/projectatomic/runc/blob/master/script/check-config.sh>

moby/contrib/check-config.sh

<https://github.com/moby/moby/blob/master/contrib/check-config.sh>

vmm cloud

Infrastructure as a service

https://en.wikipedia.org/wiki/Infrastructure_as_a_service

VPS

<https://ru.wikipedia.org/wiki/VPS>

Dedicated hosting service

https://en.wikipedia.org/wiki/Dedicated_hosting_service
