LXC / LXD Commands

apt install lxd lxd-client	Installs LXC
lxc init	Starts LXC / Initial configuration
lxc launch images:alpine/3.9 mycontainer	Loads the image Alpine from the repository “images” in version 3.9 and names it “mycontainer”
lxc image list	Lists all available images
lxc list	Lists all running and stopped containers
lxc exec mycontainer -- ash	Logs in with ash on the "mycontainer" container
lxc stop mycontainer	Stops the container "mycontainer"
lxc delete mycontainer	Deletes the stopped container "mycontainer"
lxc delete --force mycontainer	Deletes the still running container "mycontainer"
lxc image delete myimage	Deletes the image "myimage"
lxc image copy images:alpine/3.9 local: --alias mynalpine	Copy the image "Alpine" from the repository "images" in version 3.9 into the local storage and name it "myalpine"
lxc launch myalpine nginx	Starts the "myalpine" container under the name "nginx"
lxc launch myalpine	Starts the "myalpine" container and uses a random name
lxc exec nginx -- apk update	Updates the Alpine package sources for the “nginx” container
lxc exec nginx -- apk add nginx	Installs nginx in the "nginx" container
lxc file edit nginx/etc/nginx/conf.d/default.conf	Edits the default.conf file of the nginx web server of the “nginx” container
lxc file push index.html nginx/var/www/index.html	Copies a previously created index.html file into the “nginx” container at the appropriate location
lxc snapshot nginx 1.0	Creates a snapshot of the nginx container and names it 1.0
lxc restore nginx 1.0	Uses Snapshot 1.0 to restore the container
lxc info nginx	Shows detailed information about the nginx container
lxc delete nginx/1.0	Deletes snapshot 1.0 of the "nginx" container
lxc copy nginx/1.0 nginx2	Creates a container nginx2 that is a copy of snapshot 1.0
lxc start nginx2	Starts the container nginx2
lxc move nginx2 nginx3	Renames the container from nginx2 to nginx3
lxc remote list	Displays the remote repositories
lxc config set	Configures an LXC environment
lxc config set core.https_address „[::]:8443“	Specifies which HTTPS port LXC should listen on
lxc config set core.trust_password secret	Defines a “secret” password for the LXC server
lxc remote add remoteserver 172.31.23.109:8443 --password=secret	Enables the server with the IP address 172.31.23.109 as a remote server under the name “remoteserver” and uses the password “secret”
lxc publish nginx/1.0 --alias meinnginx-alpine	Releases a new image called “meinnginx-alpine” from Snapshot 1.0
lxc image list images:	Shows the images of the repository "images"
lxc image list images: | grep debian	Shows the Debian images of the repository "images"
lxc publish web/snapshot01 --alias web_neu	Creates a new image from the snapshot "snapshot01" of the container "web" and calls it "web_new"
lxc image export web webtest/	Exports the "web" image to the "webtest" directory
lxc image import image.tar.gz --alias nginx5	Imports image.tar.gz and gives the new image the name nginx5
lxc config set ubuntu16 limits.memory	Limits the main memory of the container

512MB	ubuntu16 to 512MB
lxc config set ubuntu16 limits.cpu 2	Limits the CPU cores of the Ubuntu16 container to 2
lxc storage list	Lists the storage pools
lxc storage edit storage1	Edits the yaml file of the storage pool storage1
lxc storage create storage2 dir	Creates the storage pool storage2 of type directory (dir)
lxc storage create zfs-storage zfs source=/dev/sdb	Creates the storage pool zfs-storage of the type zfs and uses the HDD / dev / sdb for it
lxc storage show zfs-storage	Shows details of the zfs-storage storage pool
lxc launch nginx5 webserver --storage storage2	Starts the image nginx5 in the storage pool storage2 and gives it the name webserver
lxc list -c	-c makes other columns usable
lxc list -c ns46tSb	standard lxc container list expanded with option b, which shows in which storage pool the respective container is stored