<https://github.com/projectatomic/containerd/blob/master/docs/bundle.md>

**Creating a oci bundle**

/containers/OCI\_required\_files

├── config.json

└── rootfs/

**RUNC:**

**/run/runc/{containerid}/state.json**

**CRIO**

**/var/run/containers/storage/overlay-containers/<cont-id> /userdata 🡪 config.json copy + resolv.conf + hostname, pidfile**

**/var/lib/containers/storage/overlay-containers/<cont-id>/userdata -> config.json state.json**

**\*config.json : annotations could be used for port mapping, privileged, capabilities, apparmor(hopefully)**

**Docker**

Docker containers are stored under

/var/lib/docker/containers/{id}

Under that : logs, config.json and exc. We can use config.json to get instance information like name, args and so on.

**run/containerd/io.containerd.runtime.v1.linux/moby/<containerid>**

docker inspect -f '{{.State.Pid}}' <containerid> gives you process id

state.json -🡪 **/run/docker/runtime-runc/moby/{contid}**

**host config: /var/lib/docker/containers/8f75c189620330b5103f4a9b23befda8c7d64903393d78d2b16120cc28c5255a**

**Containerd**

<https://www.ianlewis.org/en/container-runtimes-part-3-high-level-runtimes>

<https://github.com/containerd/containerd/blob/master/docs/ops.md>

sudo ctr images pull docker.io/library/redis:latest

sudo ctr images list

sudo ctr container create docker.io/library/redis:latest redis

sudo ctr container list

sudo ctr container delete redis

The default path for the config file is located at /etc/containerd/config.toml

# persistent data location

root = "/var/lib/containerd"

# runtime state information

state = "/run/containerd"

**root** will be used to store any type of persistent data for containerd. Snapshots, content, metadata for containers and image, as well as any plugin data will be kept in this location. The root is also namespaced for plugins that containerd loads. Each plugin will have its own directory where it stores data. containerd itself does not actually have any persistent data that it needs to store, its functionality comes from the plugins that are loaded.

**state**will be used to store any type of ephemeral data. Sockets, pids, runtime state, mount points, and other plugin data that must not persist between reboots are stored in this location.

**/run/containerd/io.containerd.runtime.v1.linux/{container\_id} shoukd have runtime state of containers!!???**

**sudo ctr containers info redis22**

**RUNC:**

**/run/runc/{containerid} for runtime state information**

**INFO[0128] CustomBench threads complete in 27.005936427s time elapsed**

**INFO[0128] Docker: Stopping any running containers created during bucketbench runs**

**INFO[0129] Docker: Removing exited containers from bucketbench runs**

**INFO[0129] Custom:DockerCLI: threads 3, iterations 15, rate: 1.67**

**SUMMARY TIMINGS/THREAD RATES**

**Iter/Thd 1 thrd 2 thrds 3 thrds 4 thrds 5 thrds 6 thrds 7 thrds 8 thrds 9 thrds 10 thrds**

**Limit 1000 568.59 992.76 1048.99 1031.95 1023.09 972.56 985.99 906.03 929.82 1034.63**

**Custom:DockerCLI 15 0.81 1.41 1.67**

**DETAILED COMMAND TIMINGS/STATISTICS**

**Custom:DockerCLI:1 Min Max Avg Median Stddev Errors**

**run 887.00 956.00 919.33 924.00 18.17 0**

**stop 225.00 280.00 250.53 246.00 17.03 0**

**delete 52.00 71.00 57.27 56.00 4.11 0**

**Custom:DockerCLI:2 Min Max Avg Median Stddev Errors**

**run 934.00 1112.00 1025.30 1033.50 45.80 0**

**stop 226.00 350.00 280.33 273.00 31.50 0**

**delete 58.00 132.00 97.77 96.00 16.56 0**

**Custom:DockerCLI:3 Min Max Avg Median Stddev Errors**

**run 1118.00 1534.00 1309.29 1308.00 96.61 0**

**stop 251.00 452.00 349.02 338.00 46.64 0**

**delete 55.00 175.00 111.02 107.00 29.72 0**

**INFO[0129] Benchmark runs complete**