



Linux Ubuntu 22.4.5 Manual Pages on command 'runc-update.8'

\$ man runc-update.8

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NAME

runc-update - update running container resource constraints

SYNOPSIS

runc update [option ...] container-id

runc update -r resources.json|- container-id

DESCRIPTION

The update command change the resource constraints of a running container instance.

The resources can be set using options, or, if -r is used, parsed from JSON

provided as a file or from stdin.

In case -r is used, the JSON format is like this:

```
{
  "memory": {
    "limit": 0,
    "reservation": 0,
    "swap": 0,
    "kernel": 0,
    "kernelTCP": 0
  },
  "cpu": {
    "shares": 0,
    "quota": 0,
```

```

    "period": 0,

    "realtimeRuntime": 0,

    "realtimePeriod": 0,

    "cpus": "",

    "mems": ""

  },

  "blockIO": {

    "blkioWeight": 0

  }

}

```

OPTIONS

--resources|-r resources.json : Read the new resource limits from resources.json.

Use - to read from stdin. If this option is used, all other options are ignored.

--blkio-weight weight : Set a new io weight.

--cpu-period num : Set CPU CFS period to be used for hardcapping (in microseconds)

--cpu-quota num : Set CPU usage limit within a given period (in microseconds).

--cpu-rt-period num : Set CPU realtime period to be used for hardcapping (in microseconds).

--cpu-rt-runtime num : Set CPU realtime hardcap limit (in usecs). Allowed cpu time in a given period.

--cpu-share num : Set CPU shares (relative weight vs. other containers).

--cpuset-cpus list : Set CPU(s) to use. The list can contain commas and ranges. For example: 0-3,7.

--cpuset-mems list : Set memory node(s) to use. The list format is the same as for

--cpuset-cpus.

--memory num : Set memory limit to num bytes.

--memory-reservation num : Set memory reservation, or soft limit, to num bytes.

--memory-swap num : Set total memory + swap usage to num bytes. Use -1 to unset the limit (i.e. use unlimited swap).

--pids-limit num : Set the maximum number of processes allowed in the container.

--l3-cache-schema value : Set the value for Intel RDT/CAT L3 cache schema.

--mem-bw-schema value : Set the Intel RDT/MBA memory bandwidth schema.

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