



Rocky Enterprise Linux 9.2 Manual Pages on command 'runc-update.8'

C:\>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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