

docker container create

By Docker Inc

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`--add-host` Add a custom host-to-IP mapping (host:ip) `--annotation` API 1.43+ Add an annotation to the container (passed through to the OCI runtime)

`-a`, `--attach` Attach to STDIN, STDOUT or STDERR `--blkio-weight` Block IO (relative weight), between 10 and 1000, or 0 to disable (default 0)

`--blkio-weight-device` Block IO weight (relative device weight) `--cap-add` Add Linux capabilities `--cap-drop` Drop Linux capabilities `--cgroup-parent` Optional parent cgroup for the container `--cgroups` API 1.41+ Cgroup namespace to use (host|private)

'host': Run the container in the Docker host's cgroup namespace
'private': Run the container in its own private cgroup namespace
": Use the cgroup namespace as configured by the `default-cgroups-mode` option on the daemon (default) `--cidfile` Write the container ID to the file `--cpu-count` CPU count (Windows only) `--cpu-percent` CPU percent (Windows only) `--cpu-period` Limit CPU CFS (Completely Fair Scheduler) period `--cpu-quota` Limit CPU CFS (Completely Fair Scheduler) quota `--cpu-rt-period` API 1.25+ Limit CPU real-time period in microseconds `--cpu-rt-runtime` API 1.25+ Limit CPU real-time runtime in microseconds `-c`, `--cpu-shares` CPU shares (relative weight) `--cpus` API 1.25+ Number of CPUs `--cpuset-cpus` CPUs in which to allow execution (0-3, 0,1) `--cpuset-mems` MEMs in which to allow execution (0-3, 0,1) `--device` Add a host device to the container `--device-cgroup-rule` Add a rule to the cgroup allowed devices list `--device-read-bps` Limit read rate (bytes per second) from a device `--device-read-iops` Limit read rate (IO per second) from a device `--device-write-bps` Limit write rate (bytes per second) to a device `--device-write-iops` Limit write rate (IO per second) to a device `--dns` Set custom DNS servers `--dns-option` Set DNS options `--dns-search` Set custom DNS search domains `--domainname` Container NIS domain name `--entrypoint` Overwrite the default ENTRYPOINT of the image `-e`, `--env` Set environment variables `--env-file` Read in a file of environment variables `--expose` Expose a port or a range of ports `--gpus` API 1.40+ GPU devices to add to the container ('all' to pass all GPUs) `--group-add` Add additional groups to join `--health-cmd` Command to run to check health `--health-interval` Time between running the check (ms|s|m|h) (default 0s) `--health-retries` Consecutive failures needed to report unhealthy `--health-start-interval` API 1.44+ Time between running the check during the start period (ms|s|m|h) (default 0s) `--health-start-period` API 1.29+ Start period for the container to initialize before starting health-retries countdown (ms|s|m|h) (default 0s) `--health-timeout` Maximum time to allow one check to run (ms|s|m|h) (default 0s) `--help` Print usage `-h`, `--hostname` Container host name `--init` API 1.25+ Run an init inside the container that forwards signals and reaps processes

`-i`, `--interactive` Keep STDIN open even if not attached `--io-maxbandwidth` Maximum IO bandwidth limit for the system drive (Windows only) `--io-maxiops` Maximum IOps limit for the system drive (Windows only) `--ip` IPv4 address (e.g., 172.30.100.104) `--ip6` IPv6 address (e.g., 2001:db8::33) `--ipc` IPC mode to use `--`

isolation Container isolation technology `-l`, `--label` Set meta data on a container `--label-file` Read in a line delimited file of labels `--link` Add link to another container `--link-local-ip` Container IPv4/IPv6 link-local addresses `--log-driver` Logging driver for the container `--log-opt` Log driver options `--mac-address` Container MAC address (e.g., 92:d0:c6:0a:29:33) `-m`, `--memory` Memory limit `--memory-reservation` Memory soft limit `--memory-swap` Swap limit equal to memory plus swap: '-1' to enable unlimited swap `--memory-swappiness` -1 Tune container memory swappiness (0 to 100) `--mount` Attach a filesystem mount to the container `--name` Assign a name to the container `--network` Connect a container to a network `--network-alias` Add network-scoped alias for the container `--no-healthcheck` Disable any container-specified HEALTHCHECK `--oom-kill-disable` Disable OOM Killer `--oom-score-adj` Tune host's OOM preferences (-1000 to 1000) `--pid` PID namespace to use `--pids-limit` Tune container pids limit (set -1 for unlimited) `--platform` API 1.32+ Set platform if server is multi-platform capable `--privileged` Give extended privileges to this container `-p`, `--publish` Publish a container's port(s) to the host `-P`, `--publish-all` Publish all exposed ports to random ports `--pull` missing Pull image before creating (always , missing , never) `-q`, `--quiet` Suppress the pull output `--read-only` Mount the container's root filesystem as read only `--restart` no Restart policy to apply when a container exits `--rm` Automatically remove the container and its associated anonymous volumes when it exits `--runtime` Runtime to use for this container `--security-opt` Security Options `--shm-size` Size of /dev/shm `--stop-signal` Signal to stop the container `--stop-timeout` API 1.25+ Timeout (in seconds) to stop a container `--storage-opt` Storage driver options for the container `--sysctl` Sysctl options `--tmpfs` Mount a tmpfs directory `-t`, `--tty` Allocate a pseudo-TTY `--ulimit` Ulimit options `--use-api-socket` experimental (CLI) Bind mount Docker API socket and required auth `-u`, `--user` Username or UID (format: <name|uid>[:<group|gid>]) `--users` User namespace to use `--uts` UTS namespace to use `-v`, `--volume` Bind mount a volume `--volume-driver` Optional volume driver for the container `--volumes-from` Mount volumes from the specified container(s) `-w`, `--workdir` Working directory inside the container

Source: <https://docs.docker.com/reference/cli/docker/container/create/>