

NAME

docker-create - Create a new container

SYNOPSIS

docker create [OPTIONS] IMAGE [COMMAND] [ARG...]

DESCRIPTION

Alias for `docker container create`.

OPTIONS

- add-host=** Add a custom host-to-IP mapping (host:ip)
- a, --attach=** Attach to STDIN, STDOUT or STDERR
- blkio-weight=0** 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
- cgroupns=""** Cgroup namespace to use (host|private)
default-cgroupns-mode option on the daemon (default)
- cidfile=""** Write the container ID to the file
- cpu-count=0** CPU count (Windows only)
- cpu-percent=0** CPU percent (Windows only)
- cpu-period=0** Limit CPU CFS (Completely Fair Scheduler) period
- cpu-quota=0** Limit CPU CFS (Completely Fair Scheduler) quota
- cpu-rt-period=0** Limit CPU real-time period in microseconds
- cpu-rt-runtime=0** Limit CPU real-time runtime in microseconds
- c, --cpu-shares=0** CPU shares (relative weight)
- cpus=** 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

--disable-content-trust[=true] Skip image verification

--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= 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=0s Time between running the check (ms|s|m|h) (default 0s)

--health-retries=0 Consecutive failures needed to report unhealthy

--health-start-period=0s Start period for the container to initialize before starting health-retries countdown (ms|s|m|h) (default 0s)

--health-timeout=0s Maximum time to allow one check to run (ms|s|m|h) (default 0s)

--help[=false] Print usage

-h, --hostname="" Container host name

--init[=false] Run an init inside the container that forwards signals and reaps processes

-i, --interactive[=false] Keep STDIN open even if not attached

--io-maxbandwidth=0 Maximum IO bandwidth limit for the system drive (Windows only)

--io-maxiops=0 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

--kernel-memory=0 Kernel memory limit

-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=0 Memory limit

--memory-reservation=0 Memory soft limit

--memory-swap=0 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[=false]	Disable any container-specified HEALTHCHECK
--oom-kill-disable[=false]	Disable OOM Killer
--oom-score-adj=0	Tune host's OOM preferences (-1000 to 1000)
--pid=""	PID namespace to use
--pids-limit=0	Tune container pids limit (set -1 for unlimited)
--platform=""	Set platform if server is multi-platform capable
--privileged[=false]	Give extended privileges to this container
-p, --publish=	Publish a container's port(s) to the host
-P, --publish-all[=false]	Publish all exposed ports to random ports
--pull="missing"	Pull image before creating ("always" "missing" "never")
--read-only[=false]	Mount the container's root filesystem as read only
--restart="no"	Restart policy to apply when a container exits
--rm[=false]	Automatically remove the container when it exits
--runtime=""	Runtime to use for this container
--security-opt=	Security Options
--shm-size=0	Size of /dev/shm
--stop-signal="SIGTERM"	Signal to stop a container
--stop-timeout=0	Timeout (in seconds) to stop a container
--storage-opt=	Storage driver options for the container

--sysctl=map[]	Sysctl options
--tmpfs=	Mount a tmpfs directory
-t, --tty[=false]	Allocate a pseudo-TTY
--ulimit=[]	Ulimit options
-u, --user=""	Username or UID (format: [:])
--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

SEE ALSO**docker(1)**