



Linux Ubuntu 26.04 Manual Pages on command 'docker-service-create.1'

\$ man docker-service-create.1

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NAME

docker-service-create - Create a new service

SYNOPSIS

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

DESCRIPTION

Create a new service

OPTIONS

--cap-add= Add Linux capabilities
--cap-drop= Drop Linux capabilities
--config= Specify configurations to expose to the service
--constraint= Placement constraints
--container-label= Container labels
--credential-spec= Credential spec for managed service account (Windows only)
-d, --detach[=false] Exit immediately instead of waiting for the service to converge
--dns= Set custom DNS servers
--dns-option= Set DNS options
--dns-search= Set custom DNS search domains
--endpoint-mode="vip" Endpoint mode (vip or dnsrr)
--entrypoint= Overwrite the default ENTRYPOINT of the image
-e, --env= Set environment variables
--env-file= Read in a file of environment variables
--generic-resource= User defined resources

--group= Set one or more supplementary user groups for the container
 --health-cmd="" Command to run to check health
 --health-interval= Time between running the check (ms|s|m|h)
 --health-retries=0 Consecutive failures needed to report unhealthy
 --health-start-interval= Time between running the check during the start period (ms|s|m|h)
 --health-start-period= Start period for the container to initialize before counting re? tries towards unstable (ms|s|m|h)
 --health-timeout= Maximum time to allow one check to run (ms|s|m|h)
 --host= Set one or more custom host-to-IP mappings (host:ip)
 --hostname="" Container hostname
 --init[=false] Use an init inside each service container to forward signals and reap processes
 --isolation="" Service container isolation mode
 -l, --label= Service labels
 --limit-cpu= Limit CPUs
 --limit-memory=0 Limit Memory
 --limit-pids=0 Limit maximum number of processes (default 0 = unlimited)
 --log-driver="" Logging driver for service
 --log-opt= Logging driver options
 --max-concurrent= Number of job tasks to run concurrently (default equal to --replicas)
 --memory-swap=0 Swap Bytes (-1 for unlimited)
 --memory-swappiness=-1 Tune memory swappiness (0-100), -1 to reset to default
 --mode="replicated" Service mode ("replicated", "global", "replicated-job", "global-job")
 --mount= Attach a filesystem mount to the service
 --name="" Service name
 --network= Network attachments
 --no-healthcheck[=false] Disable any container-specified HEALTHCHECK
 --no-resolve-image[=false] Do not query the registry to resolve image digest and supported platforms
 --oom-score-adj=0 Tune host's OOM preferences (-1000 to 1000)
 --placement-pref= Add a placement preference

-p, --publish= Publish a port as a node port
 -q, --quiet[=false] Suppress progress output
 --read-only[=false] Mount the container's root filesystem as read only
 --replicas= Number of tasks
 --replicas-max-per-node=0 Maximum number of tasks per node (default 0 = unlimited)
 --reserve-cpu= Reserve CPUs
 --reserve-memory=0 Reserve Memory
 --restart-condition="" Restart when condition is met ("none", "on-failure", "any") (default "any")
 --restart-delay= Delay between restart attempts (ns|us|ms|s|m|h) (default 5s)
 --restart-max-attempts= Maximum number of restarts before giving up
 --restart-window= Window used to evaluate the restart policy (ns|us|ms|s|m|h)
 --rollback-delay=0s Delay between task rollbacks (ns|us|ms|s|m|h) (default 0s)
 --rollback-failure-action="" Action on rollback failure ("pause", "continue") (default "pause")
 --rollback-max-failure-ratio=0 Failure rate to tolerate during a rollback (default 0)
 --rollback-monitor=0s Duration after each task rollback to monitor for failure (ns|us|ms|s|m|h) (default 5s)
 --rollback-order="" Rollback order ("start-first", "stop-first") (default "stop-first")
 --rollback-parallelism=1 Maximum number of tasks rolled back simultaneously (0 to roll back all at once)
 --secret= Specify secrets to expose to the service
 --stop-grace-period= Time to wait before force killing a container (ns|us|ms|s|m|h) (default 10s)
 --stop-signal="" Signal to stop the container
 --sysctl= Sysctl options
 -t, --tty[=false] Allocate a pseudo-TTY
 --ulimit=[] Ulimit options
 --update-delay=0s Delay between updates (ns|us|ms|s|m|h) (default 0s)
 --update-failure-action="" Action on update failure ("pause", "continue", "rollback") (default "pause")
 --update-max-failure-ratio=0 Failure rate to tolerate during an update (default 0)
 --update-monitor=0s Duration after each task update to monitor for failure

(ns|us|ms|s|m|h) (default 5s)

--update-order="" Update order ("start-first", "stop-first") (default "stop-first")

--update-parallelism=1 Maximum number of tasks updated simultaneously (0 to update all at once)

-u, --user="" Username or UID (format: [:])

--with-registry-auth[=false] Send registry authentication details to swarm agents

-w, --workdir="" Working directory inside the container

SEE ALSO

[docker-service\(1\)](#)

Docker Community

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