

docker node update

Estimated reading time: 2 minutes

Description

Update a node

API 1.24+ (<https://docs.docker.com/engine/api/v1.24/>) The client and daemon API must both be at least 1.24 (<https://docs.docker.com/engine/api/v1.24/>) to use this command. Use the `docker version` command on the client to check your client and daemon API versions.

Swarm This command works with the Swarm orchestrator.

Usage

```
docker node update [OPTIONS] NODE
```

Options

Name, shorthand	Default	Description
<code>--availability</code>		Availability of the node ("active" "pause" "drain")
<code>--label-add</code>		Add or update a node label (key=value)
<code>--label-rm</code>		Remove a node label if exists
<code>--role</code>		Role of the node ("worker" "manager")

Parent command

Command	Description
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Command	Description
docker node (https://docs.docker.com/engine/reference/commandline/node)	Manage Swarm nodes

Related commands

Command	Description
docker node demote (https://docs.docker.com/engine/reference/commandline/node_demote/)	Demote one or more nodes from manager in the swarm
docker node inspect (https://docs.docker.com/engine/reference/commandline/node_inspect/)	Display detailed information on one or more nodes
docker node ls (https://docs.docker.com/engine/reference/commandline/node_ls/)	List nodes in the swarm
docker node promote (https://docs.docker.com/engine/reference/commandline/node_promote/)	Promote one or more nodes to manager in the swarm
docker node ps (https://docs.docker.com/engine/reference/commandline/node_ps/)	List tasks running on one or more nodes, defaults to current node

Command	Description
<code>docker node rm</code> (https://docs.docker.com/engine/reference/commandline/node_rm/)	Remove one or more nodes from the swarm
<code>docker node update</code> (https://docs.docker.com/engine/reference/commandline/node_update/)	Update a node

Extended description

Update metadata about a node, such as its availability, labels, or roles.

Examples

Add label metadata to a node

Add metadata to a swarm node using node labels. You can specify a node label as a key with an empty value:

```
$ docker node update --label-add foo worker1
```

To add multiple labels to a node, pass the `--label-add` flag for each label:

```
$ docker node update --label-add foo --label-add bar worker1
```

When you create a service

(https://docs.docker.com/engine/reference/commandline/service_create/), you can use node labels as a constraint. A constraint limits the nodes where the scheduler deploys tasks for a service.

For example, to add a `type` label to identify nodes where the scheduler should deploy message queue service tasks:

```
$ docker node update --label-add type=queue worker1
```

The labels you set for nodes using `docker node update` apply only to the node entity within the swarm. Do not confuse them with the docker daemon labels for dockerd (<https://docs.docker.com/engine/userguide/labels-custom-metadata/#daemon-labels>).

For more information about labels, refer to apply custom metadata (<https://docs.docker.com/engine/userguide/labels-custom-metadata/>).