

Inspect a service on the swarm

Estimated reading time: 2 minutes

When you have deployed a service (/engine/swarm/swarm-tutorial/deploy-service/) to your swarm, you can use the Docker CLI to see details about the service running in the swarm.

1. If you haven't already, open a terminal and ssh into the machine where you run your manager node. For example, the tutorial uses a machine named `manager1`.
2. Run `docker service inspect --pretty <SERVICE-ID>` to display the details about a service in an easily readable format.

To see the details on the `helloworld` service:

```
[manager1]$ docker service inspect --pretty helloworld

ID:          9uk4639qpg7npwf3fn2aasksr
Name:        helloworld
Service Mode: REPLICATED
Replicas:    1
Placement:
UpdateConfig:
  Parallelism: 1
ContainerSpec:
  Image:       alpine
  Args:        ping docker.com
Resources:
Endpoint Mode: vip
```

Tip: To return the service details in json format, run the same command without the `--pretty` flag.

```
[manager1]$ docker service inspect helloworld
[
  {
    "ID": "9uk4639qpg7npwf3fn2aasksr",
    "Version": {
      "Index": 418
    },
    "CreatedAt": "2016-06-16T21:57:11.622222327Z",
    "UpdatedAt": "2016-06-16T21:57:11.622222327Z",
    "Spec": {
      "Name": "helloworld",
      "TaskTemplate": {
        "ContainerSpec": {
          "Image": "alpine",
          "Args": [
            "ping",
            "docker.com"
          ]
        },
        "Resources": {
          "Limits": {},
          "Reservations": {}
        },
        "RestartPolicy": {
          "Condition": "any",
          "MaxAttempts": 0
        },
        "Placement": {}
      },
      "Mode": {
        "Replicated": {
          "Replicas": 1
        }
      },
      "UpdateConfig": {
        "Parallelism": 1
      },
      "EndpointSpec": {
        "Mode": "vip"
      }
    },
    "Endpoint": {
      "Spec": {}
    }
  }
]
```

3. Run `docker service ps <SERVICE-ID>` to see which nodes are running the service:

```
[manager1]$ docker service ps helloworld
```

NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE
helloworld.1.8p1vev3fq5zm0mi8g0as41w35	alpine	worker2	Running	Running

In this case, the one instance of the `helloworld` service is running on the `worker2` node. You may see the service running on your manager node. By default, manager nodes in a swarm can execute tasks just like worker nodes.

Swarm also shows you the `DESIRED STATE` and `CURRENT STATE` of the service task so you can see if tasks are running according to the service definition.

4. Run `docker ps` on the node where the task is running to see details about the container for the task.

Tip: If `helloworld` is running on a node other than your manager node, you must ssh to that node.

```
[worker2]$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED
e609dde94e47	alpine:latest	"ping docker.com"	3 minutes ago

What's next?

Next, you can change the scale (`/engine/swarm/swarm-tutorial/scale-service/`) for the service running in the swarm.

tutorial (`/search/?q=tutorial`), cluster management (`/search/?q=cluster management`), swarm mode (`/search/?q=swarm mode`)