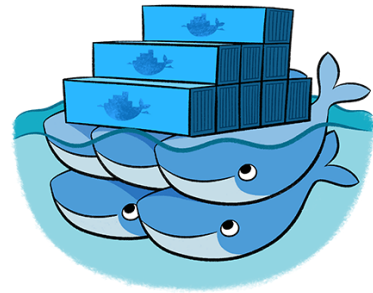


Configuration Example 2 (Replicated Mode)



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Running a Custom Cronjob with Swarm Cronjob

This guide demonstrates how to set up a cronjob using Swarm Cronjob. The example focuses on running a task periodically based on a defined schedule.

Prerequisites

- Swarm Cronjob instance is already up and running.

Step 1: Create a Docker Compose YAML

Create a Docker Compose file to define the cronjob:

```
version: "3.2"

services:
  test:
    image: busybox
    command: date
    deploy:
      mode: replicated
      replicas: 0
      labels:
        - "swarm.cronjob.enable=true"
        - "swarm.cronjob.schedule=* * * * *"
        - "swarm.cronjob.skip-running=false"
    restart_policy:
      condition: none
```

Step 2: Deploy the Stack

Deploy the stack to your Docker Swarm cluster:

```
docker stack deploy -c test.yml test
```

Explanation of Configuration

- `command`: Runs the task defined by the `command` field (in this case, the `date` command).
- `mode: replicated`: Ensures the task runs only when scheduled.

- `replicas: 0`: Prevents the task from running immediately upon deployment.
- `swarm.cronjob.schedule=* * * * *`: Schedules the task to run every minute.
- `restart_policy.condition=none`: Ensures the task does not restart automatically after completion.

Logs

Check the logs to verify task execution:

```
docker service logs swarm_cronjob_app
```

Example Logs:

```
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:04:37 UTC INF Starting swarm-cronjob
v1.2.0
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:04:37 UTC INF Add cronjob with schedule *
* * * * service=test
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:05:00 UTC INF Start job last_status=n/a
service=test
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:06:00 UTC INF Start job last_status=n/a
service=test
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:07:00 UTC INF Start job last_status=n/a
service=test
swarm_cronjob_app.1.nvsjbhdhiagl@default | Thu, 13 Dec 2018 20:08:00 UTC INF Start job last_status=n/a
service=test
```

Once deployed, the cronjob will execute the defined task at the specified schedule.

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