
container-transform Documentation

Release 1.1.5

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container-transform is a small utility to transform various docker container formats to one another.

Currently, container-transform can parse and convert:

- Kubernetes Pod specs
- ECS task definitions
- Docker-compose configuration files
- Marathon Application Definitions or Groups of Applications
- Chronos Task Definitions

and it can output to:

- Systemd unit files

Any missing required parameters are printed to STDERR.

Example usage:

```
$ cat docker-compose.yml | container-transform -v
{
  "family": "python-app",
  "volumes": [
    {
      "name": "host_logs",
      "host": {
        "sourcePath": "/var/log/myapp"
      }
    }
  ],
  "containerDefinitions": [
    {
      "memory": 1024,
      "image": "postgres:9.3",
      "name": "db",
      "essential": true
    },
    {
      "memory": 128,
      "image": "redis:latest",
      "name": "redis",
      "essential": true
    },
    {
      "name": "web",
      "memory": 64,
      "command": [
        "uwsgi",
        "--json",
        "uwsgi.json"
      ],
      "mountPoints": [
        {
          "sourceVolume": "host_logs",
          "containerPath": "/var/log/uwsgi/"
        }
      ],
      "environment": [
        {
```

[illegible]

```
$ container-transform --input-type ecs --output-type compose task.json
db:
  image: postgres:9.3
  mem_limit: 1073741824b
redis:
  image: redis:latest
  mem_limit: 134217728b
web:
  command: uwsgi --json uwsgi.json
  environment:
    AWS_ACCESS_KEY_ID: AAAAAAAAAAAAAAAAAAAAAA
    AWS_SECRET_ACCESS_KEY: '1111111111111111111111111111111111111111'
  mem_limit: 67108864b
```

Container web is missing required parameter "image".

CHAPTER 1

Installation

To install the latest release (Python 3 only), type:

```
pip install container-transform
```

To install the latest code directly from source, type:

```
pip install git+git://github.com/micahhausler/container-transform.git
```