

Section 2

Composing Services



In this Section, we are going to take a look at...

- Orchestration
- Docker compose
- Deploying composed services using machine
- Single host scaling

Video 2.1

Composing Primer



In this Video, we are going to take a look at...

- Orchestration
- Docker compose
- Compose YAML for Diaspora setup

```
version: "2"
services:
  web:
    build: .
    command: '/bin/bash -l -c "bundle exec unicorn -c config/unicorn.rb"'
    ports:
      - "3000:3000"
    environment:
      - RAILS_ENV=development
      - PORT=3000
    volumes:
      - "./config/diaspora.yml:/home/diaspora/diaspora/config/diaspora.yml"
      - "./config/database.yml:/home/diaspora/diaspora/config/database.yml"
    links:
      - "db:db"
  db:
    image: postgres:latest
```

docker-compose.1.yml

```
→ diaspora git:(develop)
→ diaspora git:(develop)
→ diaspora git:(develop)
→ diaspora git:(develop)
→ diaspora git:(develop)
→ diaspora git:(develop) x docker-compose build
db uses an image, skipping
Building web
```

```
version: "2"
services:
  web:
    build: .
    command: '/bin/bash -l -c "bundle exec unicorn -c config/unicorn.rb"'
    ports:
      - "3000:3000"
    environment:
      - RAILS_ENV=development
      - PORT=3000
    volumes:
      - "./config/diaspora.yml:/home/diaspora/diaspora/config/diaspora.yml"
      - "./config/database.yml:/home/diaspora/diaspora/config/database.yml"
    links:
      - "db:db"
  db:
    image: postgres:latest
```



```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x docker-compose ps
  Name                                Command                                State      Ports
-----
diaspora_db_1  /docker-entrypoint.sh postgres      Up          5432/tcp
→ diaspora git:(develop) x docker-compose run web /bin/bash -l -c "rake db:create db:schema:load"
```



```
07231310')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (0.8ms) INSERT INTO "schema_migrations" (version) VALUES ('20141230214830')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.8ms) INSERT INTO "schema_migrations" (version) VALUES ('20140826165533')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.3ms) INSERT INTO "schema_migrations" (version) VALUES ('20130404211624')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.6ms) INSERT INTO "schema_migrations" (version) VALUES ('20150106050733')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (2.4ms) INSERT INTO "schema_migrations" (version) VALUES ('20140601102543')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.2ms) INSERT INTO "schema_migrations" (version) VALUES ('20130429073928')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.0ms) INSERT INTO "schema_migrations" (version) VALUES ('20150403192408')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.1ms) INSERT INTO "schema_migrations" (version) VALUES ('20150220001357')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.1ms) INSERT INTO "schema_migrations" (version) VALUES ('20150531005120')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.2ms) INSERT INTO "schema_migrations" (version) VALUES ('20140801101352')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (3.5ms) INSERT INTO "schema_migrations" (version) VALUES ('20141216213423')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (1.0ms) INSERT INTO "schema_migrations" (version) VALUES ('20140906192846')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (3.8ms) INSERT INTO "schema_migrations" (version) VALUES ('20130717104359')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (3.7ms) INSERT INTO "schema_migrations" (version) VALUES ('20140801101230')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (0.7ms) INSERT INTO "schema_migrations" (version) VALUES ('20141227120907')
[2016-07-15T06:37:53] DEBUG PID-1 TID-8755600 ActiveRecord::Base: (0.8ms) INSERT INTO "schema_migrations" (version) VALUES ('20140422134627')
```

→ diaspora git:(develop) x █


```
→ diaspora git:(develop) ✕ docker-compose up -d
diaspora_db_1 is up-to-date
Creating diaspora_web_1
→ diaspora git:(develop) ✕ █
```

```
➔ diaspora git:(develop) ✕ docker-compose up -d
```

```
diaspora_db_1 is up-to-date
```

```
Creating diaspora_web_1
```

```
➔ diaspora git:(develop) ✕ docker-compose ps
```

Name	Command	State	Ports
diaspora_db_1	/docker-entrypoint.sh postgres	Up	5432/tcp
diaspora_web_1	/bin/bash -l -c bundle exe ...	Up	0.0.0.0:3000->3000/tcp

```
➔ diaspora git:(develop) ✕
```

```

→ diaspora git:(develop) ✕ docker-compose up -d
diaspora_db_1 is up-to-date
Creating diaspora_web_1
→ diaspora git:(develop) ✕ docker-compose ps

```

Name	Command	State	Ports
-----	-----	-----	-----
diaspora_db_1	/docker-entrypoint.sh postgres	Up	5432/tcp
diaspora_web_1	/bin/bash -l -c bundle exe ...	Up	0.0.0.0:3000->3000/tcp

```

→ diaspora git:(develop) ✕ docker-compose logs web
Attaching to diaspora_web_1
web_1 | I, [2016-07-15T07:17:30.797337 #1] INFO -- : Refreshing Gem list
web_1 | [2016-07-15T07:17:42] INFO PID-1 TID-17308040 DiasporaFederation: successfully configured the federation library
web_1 | I, [2016-07-15T07:17:44.885109 #1] INFO -- : listening on addr=0.0.0.0:3000 fd=12
web_1 | I, [2016-07-15T07:17:44.918837 #1] INFO -- : master process ready
web_1 | I, [2016-07-15T07:17:44.922178 #150] INFO -- : worker=0 ready
→ diaspora git:(develop) ✕ █

```



```

diaspora-web_1 bash -l -c bundle exe ... Up 0.0.0.0:
3000->3000/tcp
→ diaspora git:(develop) ✕ docker-compose logs web
Attaching to diaspora_web_1
web_1 | I, [2016-07-15T07:17:30.797337 #1] INFO -- : Refreshing
Gem list
web_1 | [2016-07-15T07:17:42] INFO PID-1 TID-17308040 DiasporaFe
deration: successfully configured the federation library
web_1 | I, [2016-07-15T07:17:44.885109 #1] INFO -- : listening o
n addr=0.0.0.0:3000 fd=12
web_1 | I, [2016-07-15T07:17:44.918837 #1] INFO -- : master proc
ess ready
web_1 | I, [2016-07-15T07:17:44.922178 #150] INFO -- : worker=0
ready
→ diaspora git:(develop) ✕ docker-compose logs --watch web
View output from containers.

Usage: logs [options] [SERVICE...]

Options:
  --no-color          Produce monochrome output.
  -f, --follow        Follow log output.
  -t, --timestamps   Show timestamps.
  --tail="all"        Number of lines to show from the end of th
e logs
                      for each container.
→ diaspora git:(develop) ✕ docker-compose logs --watch web

```

```
→ diaspora git:(develop) ✗ docker-compose logs --f web
```

diaspora*

[Log In](#)

Welcome, friend.

You're about to change the Internet. Let's get you set up, shall we?

Configure your pod



Look at `config/diaspora.yml.example` and `config/database.yml.example` for help.

Try it out

Start by [creating an account](#)

Make a contribution!




```
web_1 | [2016-07-15T07:18:48] INFO PID-150 TID-17308040 Rails: S
tarted GET "/assets/branding/logos/logo.png" for 192.168.99.1 at 2
016-07-15 07:18:48 +0000
web_1 | 192.168.99.1 - - [15/Jul/2016:07:18:48 +0000] "GET /brand
ing/logos/logo.png HTTP/1.1" 200 - 0.1544
web_1 | [2016-07-15T07:18:48] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:48] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:48] INFO PID-150 TID-17308040 Rails: S
tarted GET "/assets/landing/cog.png" for 192.168.99.1 at 2016-07-1
5 07:18:48 +0000
web_1 | 192.168.99.1 - - [15/Jul/2016:07:18:48 +0000] "GET /landi
ng/cog.png HTTP/1.1" 200 - 0.1267
web_1 | [2016-07-15T07:18:48] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:48] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:48] INFO PID-150 TID-17308040 Rails: S
tarted GET "/assets/landing/smiley_laughing.png" for 192.168.99.1
at 2016-07-15 07:18:48 +0000
web_1 | 192.168.99.1 - - [15/Jul/2016:07:18:49 +0000] "GET /landi
ng/smiley_laughing.png HTTP/1.1" 200 - 0.1614
web_1 | [2016-07-15T07:18:49] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:49] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:49] INFO PID-150 TID-17308040 Rails: S
tarted GET "/assets/landing/pen_write.png" for 192.168.99.1 at 201
6-07-15 07:18:49 +0000
web_1 | 192.168.99.1 - - [15/Jul/2016:07:18:49 +0000] "GET /landi
ng/pen_write.png HTTP/1.1" 200 - 0.1013
web_1 | [2016-07-15T07:18:51] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:51] DEBUG PID-150 TID-17308040 Rails:
web_1 | [2016-07-15T07:18:51] INFO PID-150 TID-17308040 Rails: S
tarted GET "/assets/favicon.png" for 192.168.99.1 at 2016-07-15 07
:18:51 +0000
web_1 | 192.168.99.1 - - [15/Jul/2016:07:18:51 +0000] "GET /favic
on.png HTTP/1.1" 200 - 0.0838
```

diaspora*

[Log In](#)

Welcome, friend.

You're about to change the Internet. Let's get you set up, shall we?

Configure your pod



Look at `config/diaspora.yml.example` and `config/database.yml.example` for help.

Try it out



[PACKT]
VIDEO


```
Get:321 http://httpredir.debian.org/debian/ jessie/main nodejs amd64 0.10.29~dfsg-2 [648 kB]
Fetched 156 MB in 21min 13s (122 kB/s)
Unable to correct missing packages.
E: Failed to fetch http://httpredir.debian.org/debian/pool/main/x/xorg/x11-common_7.7+7_all.deb Error reading from server. Remote end
closed connection [IP: 128.31.0.66 80]

E: Failed to fetch http://httpredir.debian.org/debian/pool/main/x/xtrans/xtrans-dev_1.3.4-1_all.deb Error reading from server. Remote
end closed connection [IP: 128.31.0.66 80]

E: Aborting install.
Adding user `diaspora' ...
Adding new group `diaspora' (1000) ...
Adding new user `diaspora' (1000) with group `diaspora' ...
Creating home directory `/home/diaspora' ...
Copying files from `/etc/skel' ...
----> 434aad2842e6
Removing intermediate container ff01e9e54146
Step 4 : USER diaspora
----> Running in 389a161d07a1
----> 8db50c9133f6
Removing intermediate container 389a161d07a1
Step 5 : RUN gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3
----> Running in 187d892db454
gpg: directory `/home/diaspora/.gnupg' created
gpg: new configuration file `/home/diaspora/.gnupg/gpg.conf' created
gpg: WARNING: options in `/home/diaspora/.gnupg/gpg.conf' are not yet active during this run
gpg: keyring `/home/diaspora/.gnupg/secring.gpg' created
gpg: keyring `/home/diaspora/.gnupg/pubring.gpg' created
gpg: requesting key D39DC0E3 from hkp server keys.gnupg.net
gpg: /home/diaspora/.gnupg/trustdb.gpg: trustdb created
gpg: key D39DC0E3: public key "Michal Papis (RVM signing) <mpapis@gmail.com>" imported
gpg: no ultimately trusted keys found
gpg: Total number processed: 1
gpg: imported: 1 (RSA: 1)
```


gpg: WARNING: options in `/home/diaspora/.gnupg/gpg.conf' are not yet active during this run

gpg: keyring `/home/diaspora/.gnupg/secring.gpg' created

gpg: keyring `/home/diaspora/.gnupg/pubring.gpg' created

gpg: requesting key D39DC0E3 from hkp server keys.gnupg.net

gpg: /home/diaspora/.gnupg/trustdb.gpg: trustdb created

gpg: key D39DC0E3: public key "Michal Papis (RVM signing) <mpapis@gmail.com>" imported

gpg: no ultimately trusted keys found

gpg: Total number processed: 1

gpg: imported: 1 (RSA: 1)

---> 27b4f8455132

Removing intermediate container 187d892db454

Step 6 : RUN \curl -sSL https://get.rvm.io | bash -s stable

---> Running in f84024891a1d

/bin/sh: 1: curl: not found

---> 4d38e00db38c

Removing intermediate container f84024891a1d

Step 7 : RUN /bin/bash -l -c 'source "\$HOME/.rvm/scripts/rvm" && rvm autolibs read-fail && rvm install 2.2.1'

---> Running in 9583b9afadd8

/bin/bash: /home/diaspora/.rvm/scripts/rvm: No such file or directory

ERROR: Service 'web' failed to build: The command '/bin/sh -c /bin/bash -l -c 'source "\$HOME/.rvm/scripts/rvm" && rvm autolibs read-fail && rvm install 2.2.1'' returned a non-zero code: 1

→ diaspora git:(develop) ✖ docker-compose build --no-cache

db uses an image, skipping

Building web

Step 1 : FROM debian:jessie

---> 1b088884749b

Step 2 : MAINTAINER Shrikrishna Holla <shrikrishna.holla@gmail.com>

---> Running in e420efe8683e

---> 87cccc05e1ae

Removing intermediate container e420efe8683e

Step 3 : RUN apt-get update && apt-get install -y --fix-missing

dev libcurl4-openssl-dev

libxml2-dev

build-essential

libxslt-dev

libssl-

ghostscript git

cmake

curl

libpq-dev

imagemagickwand-dev

nodejs

gawk

libreadline6-dev

Branch: master ▾

[docker](#) / [experimental](#) / [docker-stacks-and-bundles.md](#)

Find file

Copy path

 **skaasten** Fix typo - stacks being managed, not tasks?

88da491 11 days ago

4 contributors    

183 lines (146 sloc) | 5.78 KB

Raw

Blame

History



Docker Stacks and Distributed Application Bundles

Overview

Docker Stacks and Distributed Application Bundles are experimental features introduced in Docker 1.12 and Docker Compose 1.8, alongside the concept of swarm mode, and Nodes and Services in the Engine API.

A Dockerfile can be built into an image, and containers can be created from that image. Similarly, a `docker-compose.yml` can be built into a **distributed application bundle**, and **stacks** can be created from that bundle. In that sense, the bundle is a multi-services distributable image format.

As of Docker 1.12 and Compose 1.8, the features are experimental. Neither Docker Engine nor the Docker Registry support distribution of bundles.

Producing a bundle

The easiest way to produce a bundle is to generate it using `docker-compose` from an existing `docker-compose.yml`. Of course, that's just *one* possible way to proceed, in the same way that `docker build` isn't the only way to produce a Docker image.

From `docker-compose.yml`


```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x docker-compose bundle --fetch-digests
Pulling db (postgres:latest)...
latest: Pulling from library/postgres
Digest: sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077
Status: Image is up to date for postgres:latest
WARNING: Unsupported key 'volumes' in services.web - ignoring
Wrote bundle to diaspora.dab
→ diaspora git:(develop) x █
```

→ diaspora git:(develop) x

→ diaspora git:(develop) x

→ diaspora git:(develop) x

→ diaspora git:(develop) x docker-compose bundle --fetch-digests

Pulling db (postgres:latest)...

latest: Pulling from library/postgres

Digest: sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077

Status: Image is up to date for postgres:latest

WARNING: Unsupported key 'volumes' in services.web - ignoring

Wrote bundle to diaspora.dab

→ diaspora git:(develop) x cat diaspora.d

```

{
  "Services": {
    "db": {
      "Image": "postgres@sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077",
      "Networks": [
        "default"
      ]
    },
    "web": {
      "Args": [
        "/bin/bash",
        "-l",
        "-c",
        "bundle exec unicorn -c config/unicorn.rb"
      ],
      "Env": [
        "PORT=3000",
        "RAILS_ENV=development"
      ],
      "Image": "shrikrishna/diaspora@sha256:afb4725fc95f42482ef0e2c2d7e00eb25ba6c8112acbc40bd837d0c3224a1620",
      "Networks": [
        "default"
      ],
      "Ports": [
        {
          "Port": 3000,
          "Protocol": "tcp"
        }
      ]
    }
  },
  "Version": "0.1"
}

```

```

}
→ diaspora git:(develop) x █

```



```
→ diaspora git:(develop) ✖ docker swarm init
```

```
No --secret provided. Generated random secret:
```

```
bmgnzx832233tntj9usqvey3o
```

```
Swarm initialized: current node (1k773fd9p32xanfm4cvweugs) is now a manager.
```

```
To add a worker to this swarm, run the following command:
```

```
docker swarm join --secret bmgnzx832233tntj9usqvey3o \
```

```
--ca-hash sha256:b4227212688b51be849896e4241542bfcd4c3049b555144fd6cf83bc13edbc3c \
```

```
10.0.2.15:2377
```

```
→ diaspora git:(develop) ✖ docker deploy --bundle diaspora.dab diaspora-dev
```

```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x docker stack
```

}

```
→ diaspora git:(develop) ✕  
→ diaspora git:(develop) ✕  
→ diaspora git:(develop) ✕  
→ diaspora git:(develop) ✕  
→ diaspora git:(develop) ✕ docker-compose bundle --fetch-digests  
Pulling db (postgres:latest)...  
latest: Pulling from library/postgres  
Digest: sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077  
Status: Image is up to date for postgres:latest  
WARNING: Unsupported key 'volumes' in services.web - ignoring  
Wrote bundle to diaspora.dab  
→ diaspora git:(develop) ✕ cat diaspora.dab
```

```

{
  "Services": {
    "db": {
      "Image": "postgres@sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077",
      "Networks": [
        "default"
      ]
    },
    "web": {
      "Args": [
        "/bin/bash",
        "-l",
        "-c",
        "bundle exec unicorn -c config/unicorn.rb"
      ],
      "Env": [
        "PORT=3000",
        "RAILS_ENV=development"
      ],
      "Image": "shrikrishna/diaspora@sha256:afb4725fc95f42482ef0e2c2d7e00eb25ba6c8112acbc40bd837d0c3224a1620",
      "Networks": [
        "default"
      ],
      "Ports": [
        {
          "Port": 3000,
          "Protocol": "tcp"
        }
      ]
    }
  },
  "Version": "0.1"
}

```

```

}
→ diaspora git:(develop) x █

```



```
➔ diaspora git:(develop) ✖ docker swarm init
No --secret provided. Generated random secret:
    bmgz832233tntj9usqvey3o
```

```
→ diaspora git:(develop) ✖ docker swarm init
No --secret provided. Generated random secret:
    bmgz832233tntj9usqvey3o
```

Swarm initialized: current node (1k773fd9p32xanfm4cvweugs) is now a manager.

To add a worker to this swarm, run the following command:

```
docker swarm join --secret bmgz832233tntj9usqvey3o \
  --ca-hash sha256:b4227212688b51be849896e4241542bfcd4c3049b555144fd6cf83bc13edbc3c \
  10.0.2.15:2377
```

```
→ diaspora git:(develop) ✖ docker deploy --bundle diaspora.dab diaspora-dev
```

Loading bundle from diaspora.dab

Creating network diaspora-dev_default

Creating service diaspora-dev_db

Creating service diaspora-dev_web

```
→ diaspora git:(develop) ✖ █
```



```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x docker stack
```

}

```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x docker stack
```

Usage: docker stack COMMAND

Manage Docker stacks

Options:

--help Print usage

Commands:

config	Print the stack configuration
deploy	Create and update a stack from a Distributed Application Bundle (DAB)
rm	Remove the stack
tasks	List the tasks in the stack

Run 'docker stack COMMAND --help' for more information on a command.

```
→ diaspora git:(develop) x █
```



```
→ diaspora git:(develop) X
→ diaspora git:(develop) X
→ diaspora git:(develop) X
→ diaspora git:(develop) X
→ diaspora git:(develop) X
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→ diaspora git:(develop) X
→ diaspora git:(develop) X
→ diaspora git:(develop) X
→ diaspora git:(develop) X docker stack
```

Usage: docker stack COMMAND

Manage Docker stacks

Options:

--help Print usage

Commands:

config	Print the stack configuration
deploy	Create and update a stack from a Distributed Application Bundle (DAB)
rm	Remove the stack
tasks	List the tasks in the stack

Run 'docker stack COMMAND --help' for more information on a command.

```
→ diaspora git:(develop) X docker stack tasks diaspora-dev
```

ID	NAME	SERVICE	IMAGE	LAST STATE	DESIRED STATE	NODE
4dpuljwghpkb4boiem1u5o7ke	diaspora-dev_web.1	diaspora-dev_web	shrikrishna/diaspora@sha256:afb4725fc95f42482ef0e2c2d7e00eb25ba6c8112acbc40bd837d0c3224a1620	Running 24 seconds ago	Running	dev
dz0ukqp3xpsn6rnl8imw7fmv	diaspora-dev_db.1	diaspora-dev_db	postgres@sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077	Running 2 minutes ago	Running	dev

```
→ diaspora git:(develop) X █
```

```
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
→ diaspora git:(develop) x
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→ diaspora git:(develop) x
→ diaspora git:(develop) x
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→ diaspora git:(develop) x docker stack
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```
→ diaspora git:(develop) x docker stack tasks diaspora-dev
```

ID	NAME	SERVICE	IMAGE	LAST STATE	DESIRED STATE	NODE
4dpuljwghpkb4boiem1u5o7ke	diaspora-dev_web.1	diaspora-dev_web	shrikrishna/diaspora@sha256:afb4725fc95f42482ef0e2c2d7e00eb25ba6c8112acbc40bd837d0c3224a1620	Running 24 seconds ago	Running	dev
dz0ukqp3xpsn6rnl8imw7fmv	diaspora-dev_db.1	diaspora-dev_db	postgres@sha256:e0a230a9f5b4e1b8b03bb3e8cf7322b0e42b7838c5c87f4545edb48f5eb8f077	Running 2 minutes ago	Running	dev

```
→ diaspora git:(develop) x docker -v
```

Docker version 1.12.0-rc4, build e4a0dbc, experimental

```
→ diaspora git:(develop) x █
```

Next Video

Deploying Composed Services