

Video 1.3

Docker CLI Commands



```
→ ~ docker-machine ls
```

NAME	ACTIVE	DRIVER	STATE	URL	SWARM	DOCKER	ERRORS
aws-sigalrm	-	amazonec2	Running	tcp://52.204.118.222:2376		v1.11.2	
dev	*	virtualbox	Running	tcp://192.168.99.100:2376		v1.11.0	
k8s	-	virtualbox	Stopped			Unknown	

```
→ ~
```

```
→ ~
```

```
→ ~
```

```
→ ~ docker run -it ubuntu /bin/bash
```

```
Unable to find image 'ubuntu:latest' locally
```

```
latest: Pulling from library/ubuntu
```

```
f069f1d21059: Pull complete
```

```
ecbeec5633cf: Pull complete
```

```
ea6f18256d63: Pull complete
```

```
54bde7b02897: Pull complete
```

```
Digest: sha256:bbfd93a02a8487edb60f20316ebc966ddc7aa123c2e609185450b96971020097
```

```
Status: Downloaded newer image for ubuntu:latest
```

```
root@dc22a879a629:/#
```

```
root@dc22a879a629:/#
```

```
root@dc22a879a629:/#
```

```
root@dc22a879a629:/#
```

```
root@dc22a879a629:/# ls
```

```
bin boot core dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
```

```
root@dc22a879a629:/#
```

coreserver_web	latest	sha256:504c5	2 weeks ago	754.7 MB
debian	jessie	sha256:1b088	3 weeks ago	125.1 MB
node	6.2.1	sha256:72d4e	4 weeks ago	649.7 MB
node	5.11.1	sha256:6300c	6 weeks ago	647.6 MB
mongo-express	latest	sha256:4381f	7 weeks ago	251.9 MB
redis	latest	sha256:be9c5	8 weeks ago	184.9 MB
mongo	latest	sha256:a55d8	9 weeks ago	313.1 MB
alpine	latest	sha256:d7a51	3 months ago	4.798 MB
gaetan/dockercraft	latest	sha256:a85b3	4 months ago	842.7 MB

→ ~

→ ~

→ ~

→ ~ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

→ ~

→ ~

→ ~

→ ~ docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
dc22a879a629	ubuntu	"/bin/bash"	5 minutes ago	Exited (0) 3 minutes ago		tender_stonebraker

→ ~

→ ~

→ ~

→ ~

→ ~ docker run -it --rm ubuntu /bin/bash

root@3db8ec180cae:/#

root@3db8ec180cae:/#

root@3db8ec180cae:/# exit

→ ~

→ ~

→ ~ docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
dc22a879a629	ubuntu	"/bin/bash"	6 minutes ago	Exited (0) 3 minutes ago		tender_stonebraker

→ ~ █


```
➔ ~ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	VIRTUAL SIZE
node	5.11.1	sha256:6300c	6 weeks ago	647.6 MB
mongo-express	latest	sha256:4381f	7 weeks ago	251.9 MB
redis	latest	sha256:be9c5	8 weeks ago	184.9 MB
mongo	latest	sha256:a55d8	9 weeks ago	313.1 MB
alpine	latest	sha256:d7a51	3 months ago	4.798 MB
gaetan/dockercraft	latest	sha256:a85b3	4 months ago	842.7 MB

```
➔ ~
```

```
➔ ~
```

```
➔ ~
```

```
➔ ~ docker images -q
```

```
sha256:6300c
```

```
sha256:4381f
```

```
sha256:be9c5
```

```
sha256:a55d8
```

```
sha256:d7a51
```

```
sha256:a85b3
```

```
➔ ~
```

```
➔ ~
```

```
➔ ~
```

```
➔ ~ docker rmi $(docker images -q)
```



```
→ ~ docker network create familiar
```

|

'familiar' can be replaced with any other name

```
→ ~ docker network create familiar
b688de6157be6e7aa2fd0ff9698782f0ceabb7a42ce59b384a9034a0891bdb5f
→ ~ docker network ls
NETWORK ID          NAME                DRIVER
215ebbaade91        host                host
b688de6157be        familiar            bridge
9ddb5afc41d9        bridge              bridge
3af83a6557f2        coreserver_default bridge
55285ed81fe2        none                null
→ ~
```

Installation/Debian/Jessie



»» Note

You may also use [diaspora-installer package](#), which is easier, but this method is not recommended yet.

Contents [hide]

- 1 Introduction
 - 1.1 Things to know
- 2 Before you start
- 3 Versions of this guide
- 4 Requirements
 - 4.1 Hardware
 - 4.2 Software
- 5 Prepare the system
 - 5.1 Install Packages
 - 5.2 Install the database
 - 5.3 Creating a user for Diaspora
 - 5.4 RVM
 - 5.4.1 Install RVM
 - 5.4.2 Set up RVM
- 6 Get the source
- 7 Configuration

[Main page](#)
[Project site](#)
[Recent changes](#)
[Random page](#)
[Help](#)

FAQ

[FAQ for users](#)
[FAQ for podmins](#)
[FAQ for developers](#)
[FAQ for web developers](#)

Tools

[What links here](#)
[Related changes](#)
[Special pages](#)
[Printable version](#)
[Permanent link](#)
[Page information](#)

<https://wiki.diasporafoundation.org/Installation/debian/Jessie>

9 Database setup

10 Precompile assets



Before you start

You need to choose if you want a production setup or development setup. Diaspora has three development trees: master, stable and develop. The master tree always contains the current release. The stable tree is where new features and bug fixes are added before a new minor version is released. The develop tree is where new features and bug fixes are added before a new major version is released. Therefore if you want a development setup you should run from develop. But it isn't guaranteed to be in a good state, so it's not recommended to run a production setup from it.

Diaspora is written in Ruby on Rails and therefore knows different running modes. These have nothing to do with running from the master or the develop tree. Nonetheless we recommend the development mode for development setups and production mode for production setups. The difference is, apart from a slightly different default configuration, speed. The development mode reloads the code on each request, so it speeds up your development. The production mode doesn't do that, so pages load significantly faster. That's the only major difference you need to care about. To emphasize it one more time: Running a production setup in development mode gains you nothing.

Lastly you can choose between running on MySQL/MariaDB or PostgreSQL, in our experience PostgreSQL achieves a better performance.

Versions of this guide



»» Note

Important! Make sure to use the correct version of the guide, see below.

The current guide is for a **production** setup with **PostgreSQL** as database.

You can change them below:

Database: [MySQL](#) | **[PostgreSQL](#)** | [MariaDB](#)

Running mode: **[Production](#)** | [Development](#)

Requirements

Hardware

For running an average-sized pod, your server should have *at the very least* 512MB of RAM (+1GB swap space) and a decent multi-core CPU. The amount of hard disk space required largely depends on how many images you expect your users to upload. If you plan to run the database server on the same host you should allow for at least double the amount of RAM and disk space.

Software


```
→ ~ docker run -d --net familiar --name db postgres:latest
```

|



This repository

Search

Pull requests Issues Gist



shrikrishnaholla / diaspora

forked from diaspora/diaspora

Unwatch

1

Star

0

Fork

2,768

Code

Pull requests 0

Wiki

Pulse

Graphs

Settings

Distributed and contextual social networking <https://diasporafoundation.org/> — Edit

16,996 commits

5 branches

45 releases

323 contributors

Branch: develop

New pull request

Create new file

Upload files

Find file

Clone or download

This branch is 6 commits ahead, 816 commits behind diaspora:develop.

Pull request

Compare



shrikrishnaholla Add config diff files

Latest commit 87a457d an hour ago

.k8s

Mastering Docker

an hour ago

.mesos-marathon

Mastering Docker

an hour ago

app

Merge pull request #6607 from jhass/link_profile_in_user_menu

6 months ago

bin

Merge branch 'stable' into develop

6 months ago

config

Add config diff files

an hour ago

db

Use polymorphic association for the report item

9 months ago

features

Merge branch 'stable' into develop

6 months ago

<https://github.com/shrikrishnaholla/diaspora>

script

Mastering Docker

an hour ago



```

--- config/diaspora.yml.example 2016-01-16 16:39:17.000000000 +0530
+++ config/diaspora.yml 2016-03-21 20:01:08.000000000 +0530
@@ -58,7 +58,7 @@
  ## you're not using SSL. Also there is no guarantee that posting to
  ## services will be possible if SSL is disabled.
  ## Do not change this default unless you are sure!
-  #require_ssl: true
+  require_ssl: false

  ## Single-process mode (default=false).
  ## If set to true, Diaspora will work with just the appserver (Unicorn by
@@ -125,7 +125,7 @@
  ## Serve static assets via the appserver (default=false).
  ## This is highly discouraged for production use. Let your reverse
  ## proxy/webserver do it by serving the files under public/ directly.
-  #serve: false
+  serve: true

  ## Upload your assets to S3 (default=false).
  #upload: false
@@ -165,7 +165,7 @@
  ## Where the appserver should listen to (default=unix:tmp/diaspora.sock)
  #listen: 'unix:tmp/diaspora.sock'
  #listen: 'unix:/run/diaspora/diaspora.sock'
-  #listen: '127.0.0.1:3000'
+  listen: '0.0.0.0:3000'

  ## Set the path for the PID file of the unicorn master process (
  default=none)
  #pid: '/run/diaspora/diaspora.pid'
@@ -173,7 +173,7 @@
  ## Rails environment (default='development').
  ## The environment in which the server should be started by default.
  ## Change this to 'production' if you wish to run a production
  environment.
-  #rails_environment: 'development'
+  rails_environment: 'development'

```

config/diaspora.yml.diff

```

-  ## In case you want to run your own server, you should disable it.
-  #enabled: false

```



```
--- config/database.yml.example 2016-01-03 20:04:31.000000000 +0530
+++ config/database.yml 2016-04-14 17:26:07.000000000 +0530
@@ -1,20 +1,20 @@
 postgresql: &postgresql
   adapter: postgresql
-  host: localhost
+  host: db
   port: 5432
   username: postgres
   password:
   encoding: unicode

-mysql: &mysql
-  adapter: mysql2
-  host: "localhost"
-  port: 3306
-  username: "root"
-  password: ""
+# mysql: &mysql
+#   adapter: mysql2
+#   host: "localhost"
+#   port: 3306
+#   username: "root"
+#   password: ""
+  # socket: /tmp/mysql.sock
-  encoding: utf8mb4
-  collation: utf8mb4_bin
+  # encoding: utf8mb4
+  # collation: utf8mb4_bin

# Comment the the mysql line and uncomment the postgres line
```

config/database.yml.diff

→ ~ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78c5d50a3e91	postgres:latest	"/docker-entrypoint.s"	18 minutes ago	Up 18 minutes	5432/tcp	db

→ ~

→ ~

→ ~

→ ~

→ ~ docker run -it --net familiar --name web \

-p 3000:3000 --env RAILS_ENV=development --env DB=postgres --env PORT=3000 \
debian:jessie /bin/bash

█

→ ~ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
78c5d50a3e91	postgres:latest	"/docker-entrypoint.s"	18 minutes ago	Up 18 minutes	5432/tcp	db

→ ~

→ ~

→ ~

→ ~

→ ~

→ ~ docker run -it --net familiar --name web \

-p 3000:3000 --env RAILS_ENV=development --env DB=postgres --env PORT=3000 \

debian:jessie /bin/bash

root@e110863740ef:/# ping db

PING db (172.19.0.2): 56 data bytes

64 bytes from 172.19.0.2: icmp_seq=0 ttl=64 time=0.065 ms

64 bytes from 172.19.0.2: icmp_seq=1 ttl=64 time=0.060 ms

64 bytes from 172.19.0.2: icmp_seq=2 ttl=64 time=0.062 ms

--- db ping statistics ---

3 packets transmitted, 3 packets received, 0% packet loss

round-trip min/avg/max/stddev = 0.060/0.062/0.065/0.000 ms

root@e110863740ef:/#

root@e110863740ef:/#

root@e110863740ef:/# █


```
root@e110863740ef:/# apt-get update && apt-get install -y --fix-missing \  
> build-essential \  
> libssl-dev \  
> libcurl4-openssl-dev \  
> libxml2-dev \  
> libxslt-dev \  
> imagemagick \  
> ghostscript \  
> git \  
> cmake \  
> curl \  
> libpq-dev \  
> libmagickwand-dev \  
> nodejs \  
> gawk \  
> libreadline6-dev \  
> libyaml-dev \  
> libsqlite3-dev \  
> sqlite3 \  
> autoconf \  
> libgdbm-dev \  
> libncurses5-dev \  
> automake \  
> bison \  
> libffi-dev  
Get:1 http://security.debian.org jessie/updates InRelease [63.1 kB]  
100% [1 InRelease gpgv 63.1 kB] [Connecting to mirrors.tuna.tsinghua.edu.cn]
```

```
root@e110863740ef:/# adduser --disabled-login --gecos "" diaspora
```

```
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' ...
```

```
root@e110863740ef:/# su diaspora
```

```
diaspora@e110863740ef:/$
```

```
diaspora@e110863740ef:/$
```

```
diaspora@e110863740ef:/$
```

```
diaspora@e110863740ef:/$
```

```
diaspora@e110863740ef:/$ █
```

I

→ ~ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
e110863740ef	debian:jessie	"/bin/bash"	About an hour ago	Up About an hour	0.0.0.0:3000->3000/tcp	web
78c5d50a3e91	postgres:latest	"/docker-entrypoint.s"	About an hour ago	Up About an hour	5432/tcp	db

→ ~

→ ~

→ ~ docker cp /Users/shrikrishna/projects/diaspora web:/home/diaspora/diaspora

→ ~

I



Cut Rubies with ease!

■ Install RVM:

```
$ gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A
```

```
$ \curl -sSL https://get.rvm.io | bash -s stable
```

For all in one installation append `--rails` or `--ruby` or `--ruby=1.9.3`

- more **secure installation**
- for more details visit the **installation documentation**,
- and read about the new **autolib features**
- watch the most accurate (but not official) **rvm screencast**,
- read the most accurate (but not official) **rvm cheat sheet**,
- starting with Rails? watch the **RailsCasts.com on Getting Started with Rails**

Community Maintained Project

RVM is maintained and supported by the community via issue trackers and pull requests:

- on each project in RVM Github organization,
- especially **RVM project issues tracker**.

Myths
Offline
Prerequisites
Security
Upgrading
Interpreters
MRI/YARV (ruby)
JRuby (jruby)
Rubinius (rbx)

Rubies

Alias
Default
Docs
Info
Installing
List
Named
Patching
Removing
Rubygems
Strings
Uninstalling
Upgrading

Ignoring
Importing
Initial
Listing
Using

Set Actions

do
tests
benchmark

Workflow

Chruby
Completion
Examples
Hooks
Irbrc
Projects
Prompt
Proxy
Rvmrc
Screen
Scripting
Subshells

Netbeans
Culerity
Simple Terminal
SketchUp
Jenkins
MacPorts
QT Ruby
Sudo
Tk
Vagrant
Vim
Gnome-terminal
LXTerminal
XTerm
Konsole

Deployment

Best Practices
Capistrano
Chef
Cron
God
Init D
Passenger

Wayne
RVM 2: Lessons and
future
RVM 2: Python
Version Manager
Changelog 102 with
Michal

Help & Support

Issues tracker
FAQ & Notes
Troubleshooting
Fixing Broken SSL
Certificates

Quality

Assurance

Software_testing

Development

Contributing
Debugging
Github
List

Credits

Contributions
Donations
Funding


```
diasp0ra@e110863740ef:/$ gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3
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)
diasp0ra@e110863740ef:/$
```

```
diasp0ra@e110863740ef:/$ gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3
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)
diasp0ra@e110863740ef:/$ \curl -sSL https://get.rvm.io | bash -s stable
Downloading https://github.com/rvm/rvm/archive/1.27.0.tar.gz
Downloading https://github.com/rvm/rvm/releases/download/1.27.0/1.27.0.tar.gz.asc
```


loading <https://github.com/rvm/rvm/releases/download/1.27.0/1.27.0.tar.gz.asc>

Signature made Tue Mar 29 13:49:47 2016 UTC using RSA key ID BF04FF17

Good signature from "Michal Papis (RVM signing) <mpapis@gmail.com>"

WARNING: This key is not certified with a trusted signature!

There is no indication that the signature belongs to the owner.

Primary key fingerprint: 409B 6B17 96C2 7546 2A17 0311 3804 BB82 D39D C0E3

Subkey fingerprint: 62C9 E5F4 DA30 0D94 AC36 166B E206 C29F BF04 FF17

Verified '/home/diaspora/.rvm/archives/rvm-1.27.0.tgz'

Installing RVM to /home/diaspora/.rvm/

Adding rvm PATH line to /home/diaspora/.profile /home/diaspora/.mkshrc /home/diaspora/.bashrc /home/diaspora/.zshrc.

Adding rvm loading line to /home/diaspora/.profile /home/diaspora/.bash_profile /home/diaspora/.zlogin.

Installation of RVM in /home/diaspora/.rvm/ is almost complete:

To start using RVM you need to run `source /home/diaspora/.rvm/scripts/rvm`

in all your open shell windows, in rare cases you need to reopen all shell windows.

diaspora,

Thank you for using RVM!

We sincerely hope that RVM helps to make your life easier and more enjoyable!!!

Michal Papis, Michal & team.

For more information or to report a problem: <https://rvm.io/help> and https://twitter.com/rvm_io

diaspora@e110863740ef:/\$

diaspora@e110863740ef:/\$

diaspora@e110863740ef:/\$

diaspora@e110863740ef:/\$ /bin/bash -l -c 'source "\$HOME/.rvm/scripts/rvm" && rvm autolibs read-fail && rvm install


```
diaspora@e110863740ef:/$ source $HOME/.rvm/scripts/rvm
diaspora@e110863740ef:/$ cd /home/diaspora/diaspora
diaspora@e110863740ef:~/diaspora$
diaspora@e110863740ef:~/diaspora$ gem install bundler --no-ri --no-rdoc && bundle install --without test development --with postgresql
Fetching: bundler-1.12.5.gem (100%)
Successfully installed bundler-1.12.5
1 gem installed
There was an error while trying to write to `/home/diaspora/diaspora/.bundle/config`. It is likely that you need to grant write permissions for that path.
diaspora@e110863740ef:~/diaspora$ exit
exit
root@e110863740ef:/# chown -R diaspora /home/diaspora
root@e110863740ef:/# su diaspora
diaspora@e110863740ef:/$ source $HOME/.rvm/scripts/rvm
diaspora@e110863740ef:/$
diaspora@e110863740ef:/$
diaspora@e110863740ef:/$
diaspora@e110863740ef:/$ cd /home/diaspora/diaspora
diaspora@e110863740ef:~/diaspora$ chown -R diaspora /home/diaspora^C
diaspora@e110863740ef:~/diaspora$ gem install bundler --no-ri --no-rdoc && bundle install --without test development --with postgresql
```

If you get permission errors at any time,
grant write access to /home/diaspora

Post-install message from acts-as-taggable-on:
When upgrading

Re-run the migrations generator

```
rake acts_as_taggable_on_engine:install:migrations
```

This will create any new migrations and skip existing ones

Version 3.5.0 has a migration for mysql adapter

```
diaspora@e110863740ef:~/diaspora$
```

```
diaspora@e110863740ef:~/diaspora$
```

```
diaspora@e110863740ef:~/diaspora$
```

```
diaspora@e110863740ef:~/diaspora$
```

```
diaspora@e110863740ef:~/diaspora$
```

```
diaspora@e110863740ef:~/diaspora$ echo 'source "$HOME/.rvm/scripts/rvm"' >> ~/.bashrc
```



```
diaspora@e110863740ef:~/diaspora$ echo 'source "$HOME/.rvm/scripts/rvm"' >> ~/.bashrc
diaspora@e110863740ef:~/diaspora$
diaspora@e110863740ef:~/diaspora$
diaspora@e110863740ef:~/diaspora$ rake db:create db:schema:load
```

I

diaspora@e110863740ef:~/diaspora\$

diaspora@e110863740ef:~/diaspora\$

diaspora@e110863740ef:~/diaspora\$ bundle exec unicorn -c config/unicorn.rb

I

diaspora@e110863740ef:~/diaspora\$

diaspora@e110863740ef:~/diaspora\$

diaspora@e110863740ef:~/diaspora\$ bundle exec unicorn -c config/unicorn.rb

I, [2016-07-08T13:10:03.872887 #11782] INFO -- : Refreshing Gem list




```

diaspora@e110863740ef:~/diaspora$
diaspora@e110863740ef:~/diaspora$
diaspora@e110863740ef:~/diaspora$ bundle exec unicorn -c config/unicorn.rb
I, [2016-07-08T13:10:03.872887 #11782] INFO -- : Refreshing Gem list
[2016-07-08T13:10:11] INFO PID-11782 TID-15366500 DiasporaFederation: successfully configured the federation library
root ..... *debug -T
- <Appenders::Stdout:0x28cb084 name="stdout">
- <Appenders::RollingFile:0x287f634 name="file">
ActionMailer::Base ..... debug +A -T
ActiveRecord::Base ..... *debug +A -T
ActiveSupport::Cache::FileStore ..... debug +A -T
ActiveSupport::Dependencies ..... debug +A -T
DiasporaFederation ..... debug +A -T
Logging ..... *off -A -T
Rails ..... debug +A -T
XMLLogger ..... *info +A -T
I, [2016-07-08T13:10:12.785172 #11782] INFO -- : listening on addr=0.0.0.0:3000 fd=12
I, [2016-07-08T13:10:12.807011 #11782] INFO -- : master process ready
I, [2016-07-08T13:10:12.819156 #11793] INFO -- : worker=0 ready

```

```
→ ~ docker-machine ip dev  
192.168.99.100  
→ ~ █
```

In my case, it will be at 192.168.99.100:3000

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!



Make Diaspora even better! Fork the project on [Github](#) make some changes, and submit a pull request.

<https://192.168.99.100:3000>

Useful Resources


```
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/tag_following_list_tpl.js?body=1" for 192.168.99.1 at
2016-07-08 13:10:49 +0000
192.168.99.1 - - [08/Jul/2016:13:10:49 +0000] "GET /tag_following_list_tpl.js?body=1 HTTP/1.1" 200 - 0.0461
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/branding/logos/logo.png" for 192.168.99.1 at 2016-07-0
8 13:10:49 +0000
192.168.99.1 - - [08/Jul/2016:13:10:49 +0000] "GET /branding/logos/logo.png HTTP/1.1" 200 - 0.0527
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/landing/cog.png" for 192.168.99.1 at 2016-07-08 13:10:
49 +0000
192.168.99.1 - - [08/Jul/2016:13:10:49 +0000] "GET /landing/cog.png HTTP/1.1" 200 - 0.1052
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/landing/smiley_laughing.png" for 192.168.99.1 at 2016-
07-08 13:10:49 +0000
192.168.99.1 - - [08/Jul/2016:13:10:49 +0000] "GET /landing/smiley_laughing.png HTTP/1.1" 200 - 0.0625
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/landing/pen_write.png" for 192.168.99.1 at 2016-07-08
13:10:49 +0000
192.168.99.1 - - [08/Jul/2016:13:10:49 +0000] "GET /landing/pen_write.png HTTP/1.1" 200 - 0.0744
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] DEBUG PID-11806 TID-15366500 Rails:
[2016-07-08T13:10:49] INFO PID-11806 TID-15366500 Rails: Started GET "/assets/favicon.png" for 192.168.99.1 at 2016-07-08 13:10:49 +
0000
192.168.99.1 - - [08/Jul/2016:13:10:50 +0000] "GET /favicon.png HTTP/1.1" 200 - 0.0529
```



```
78c5d50a3e91      postgres:latest      "/docker-entrypoint.s"    About an hour ago    Up About an hour      5432/tcp          db
→ ~
→ ~
→ ~ docker cp /Users/shrikrishna/projects/diaspora web:/home/diaspora/diaspora
→ ~ docker-machine ip dev
192.168.99.100
→ ~ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED            STATUS              PORTS               NAMES
e110863740ef       debian:jessie       "/bin/bash"             2 hours ago       Up 2 hours         0.0.0.0:3000->3000/tcp    web
78c5d50a3e91       postgres:latest     "/docker-entrypoint.s"  2 hours ago       Up 2 hours         5432/tcp              db
→ ~ docker diff web
```

```
A /var/lib/ghostscript/CMap/UniKS-UTF16-H
A /var/lib/ghostscript/CMap/UniKS-UTF16-V
A /var/lib/ghostscript/CMap/UniKS-UTF32-H
A /var/lib/ghostscript/CMap/UniKS-UTF32-V
A /var/lib/ghostscript/CMap/UniKS-UTF8-H
A /var/lib/ghostscript/CMap/UniKS-UTF8-V
A /var/lib/ghostscript/CMap/V
A /var/lib/ghostscript/CMap/WP-Symbol
A /var/lib/ghostscript/fonts
A /var/lib/ghostscript/fonts/Fontmap
A /var/lib/ghostscript/fonts/cidfmap
A /var/lib/git
A /var/lib/sgml-base
A /var/lib/sgml-base/supercatalog
A /var/lib/sgml-base/supercatalog.old
A /var/lib/ucf
A /var/lib/ucf/cache
A /var/lib/ucf/cache/:etc:papersize
A /var/lib/ucf/hashfile
A /var/lib/ucf/hashfile.0
A /var/lib/ucf/registry
A /var/lib/xml-core
A /var/lib/xml-core/catalog
A /var/lib/xml-core/xml-core
C /var/log
C /var/log/alternatives.log
C /var/log/apt
A /var/log/apt/history.log
A /var/log/apt/term.log
C /var/log/dpkg.log
C /var/log/faillog
A /var/log/fontconfig.log
C /var/log/lastlog
➔ ~ █
```


→ ~
→ ~
→ ~
→ ~
→ ~
→ ~

→ ~ docker commit --change "CMD /bin/bash -l -c \"cd /home/diaspora/diaspora && bundle exec unicorn -c config/unicorn.rb\"" --change "USER diaspora" web shrikrishna/familiar:cli

I

→ ~
→ ~
→ ~
→ ~
→ ~
→ ~

→ ~ docker commit --change "CMD /bin/bash -l -c \"cd /home/diaspora/diaspora && bundle exec unicorn -c config/unicorn.rb\"" --change "USER diaspora" web shrikrishna/familiar:cli
sha256:7efbf1a18ea52ae34edfe70d9b818271018145eee68e0c75878354eee68d82fd
→ ~ docker █

```
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~ docker commit --change "CMD /bin/bash -l -c \"cd /home/diaspora/diaspora && bundle exec unicorn -c config/unicorn.rb\" \" --change \"
USER diaspora\" web shrikrishna/familiar:cli
sha256:7efbf1a18ea52ae34edfe70d9b818271018145eee68e0c75878354eee68d82fd
→ ~ docker images
REPOSITORY          TAG                IMAGE ID           CREATED            VIRTUAL SIZE
shrikrishna/familiar cli                sha256:7efbf      18 seconds ago    1.618 GB
postgres             latest            sha256:7ee9d      4 weeks ago       275.3 MB
debian               jessie           sha256:1b088      4 weeks ago       125.1 MB
→ ~ █
```



```
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~ docker commit --change "CMD /bin/bash -l -c \"cd /home/diaspora/diaspora && bundle exec unicorn -c config/unicorn.rb\"" --change "
USER diaspora" web shrikrishna/familiar:cli
sha256:7efbf1a18ea52ae34edfe70d9b818271018145eee68e0c75878354eee68d82fd
→ ~ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             VIRTUAL SIZE
shrikrishna/familiar cli                sha256:7efbf       18 seconds ago     1.618 GB
postgres            latest             sha256:7ee9d       4 weeks ago        275.3 MB
debian              jessie             sha256:1b088       4 weeks ago        125.1 MB
→ ~ docker login
```



Build, Ship, & Run Any App, Anywhere

Dev-test pipeline automation, 100,000+ free apps, public and private registries

New to Docker?

Create your free Docker ID to get started.

Choose a Docker Hub ID

Enter your email address

Choose a password

[Sign Up](#)

[Browse](#) Thousands of the most popular software tools in the Docker Image Library

<https://hub.docker.com>

```
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~ docker commit --change "CMD /bin/bash -l -c \"cd /home/diaspora/diaspora && bundle exec unicorn -c config/unicorn.rb\"" --change "USER diaspora" web shrikrishna/familiar:cli
sha256:7efbf1a18ea52ae34edfe70d9b818271018145eee68e0c75878354eee68d82fd
→ ~ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             VIRTUAL SIZE
shrikrishna/familiar cli                sha256:7efbf       18 seconds ago     1.618 GB
postgres            latest            sha256:7ee9d       4 weeks ago        275.3 MB
debian              jessie           sha256:1b088       4 weeks ago        125.1 MB
→ ~ docker login
Username (shrikrishna):
WARNING: login credentials saved in /Users/shrikrishna/.docker/config.json
Login Succeeded
→ ~ docker push shrikrishna/familiar:cli
The push refers to a repository [docker.io/shrikrishna/familiar]
```


➔ ~

➔ ~

➔ ~

➔ ~ docker images

REPOSITORY	TAG	IMAGE ID	CREATED	VIRTUAL SIZE
shrikrishna/familiar	cli	sha256:7efbf	3 minutes ago	1.618 GB
postgres	latest	sha256:7ee9d	4 weeks ago	275.3 MB
debian	jessie	sha256:1b088	4 weeks ago	125.1 MB

➔ ~ docker save shrikrishna/familiar:cli > familiar.cli.tar

█

→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~
→ ~

→ ~ docker load -i familiar.cli.tar

█

```
→ ~  
→ ~  
→ ~  
→ ~  
→ ~  
→ ~  
→ ~  
→ ~ docker help
```

I

images	List images
import	Import the contents from a tarball to create a filesystem image
info	Display system-wide information
inspect	Return low-level information on a container or image
kill	Kill a running container
load	Load an image from a tar archive or STDIN
login	Register or log in to a Docker registry
logout	Log out from a Docker registry
logs	Fetch the logs of a container
network	Manage Docker networks
pause	Pause all processes within a container
port	List port mappings or a specific mapping for the CONTAINER
ps	List containers
pull	Pull an image or a repository from a registry
push	Push an image or a repository to a registry
rename	Rename a container
restart	Restart a container
rm	Remove one or more containers
rmi	Remove one or more images
run	Run a command in a new container
save	Save an image(s) to a tar archive
search	Search the Docker Hub for images
start	Start one or more stopped containers
stats	Display a live stream of container(s) resource usage statistics
stop	Stop a running container
tag	Tag an image into a repository
top	Display the running processes of a container
unpause	Unpause all processes within a container
version	Show the Docker version information
volume	Manage Docker volumes
wait	Block until a container stops, then print its exit code

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

→ ~ █

- Docker Engine
- Docker for Mac
- Docker for Windows
- Docker Compose
- CS Docker Engine
- Universal Control Plane
- Docker Trusted Registry
- Docker Cloud
- Docker Hub
- Docker Machine
- Docker Store
- Docker Toolbox
- Component Projects
- Open Source at Docker
- About

Welcome to the Docker Documentation



Docker for Mac

A native application using the OS X sandbox security model which delivers all Docker tools to your Mac.



Docker for Windows

A native Windows application which delivers all Docker tools to your Windows computer.



Docker for Linux

Install Docker on a computer which already has a Linux distribution installed.



Docker Engine

Create Docker images and run Docker containers.

As of v1.12.0-rc1, Engine includes **swarm mode** container orchestration features.



Docker Compose

Defines applications built using multiple containers.



Docker Hub

A hosted registry service for managing and building images.



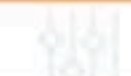
Docker Cloud

A hosted service for building, testing, and deploying images to your hosts.

<https://docs.docker.com>



Docker Trusted Registry



Docker Universal Control Plane



Next Video

Scripting Primer