

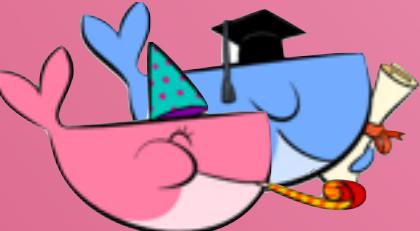
Docker's 2nd Birthday



#dockerbday



Welcome to
your first
open-source-
a-thon



Today is about

open source



Today is about
community



Today is about

Go



Today is about

marine
wildlife





For each contributor to the Docker project, Docker will donate \$50 to the Oceanic Society

See docker.party for details



Contribute again
prior to Earth Day
(Apr 22, 2015) &
Docker will donate
another \$50



See docker.party for details





**For each mentor
Docker will donate \$50
to the Oceanic Society**



See docker.party for details



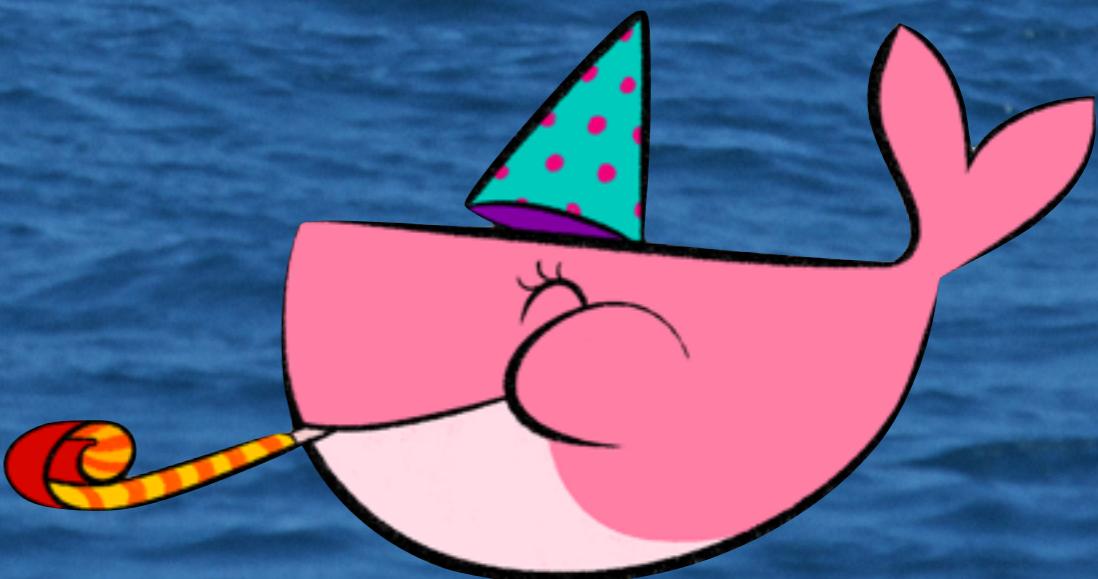
Introducing Molly Dock



Part of the proceeds will go towards adopting and naming a blue whale soon to be known as “Molly Dock”

Molly Dock has been sighted 74 times since 1992 primarily off the coast of California.

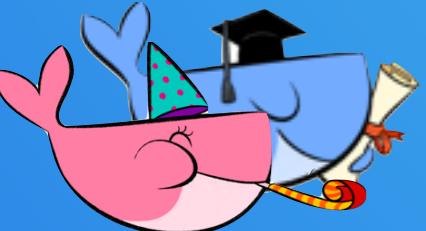
She's a mother to at least 2 calves



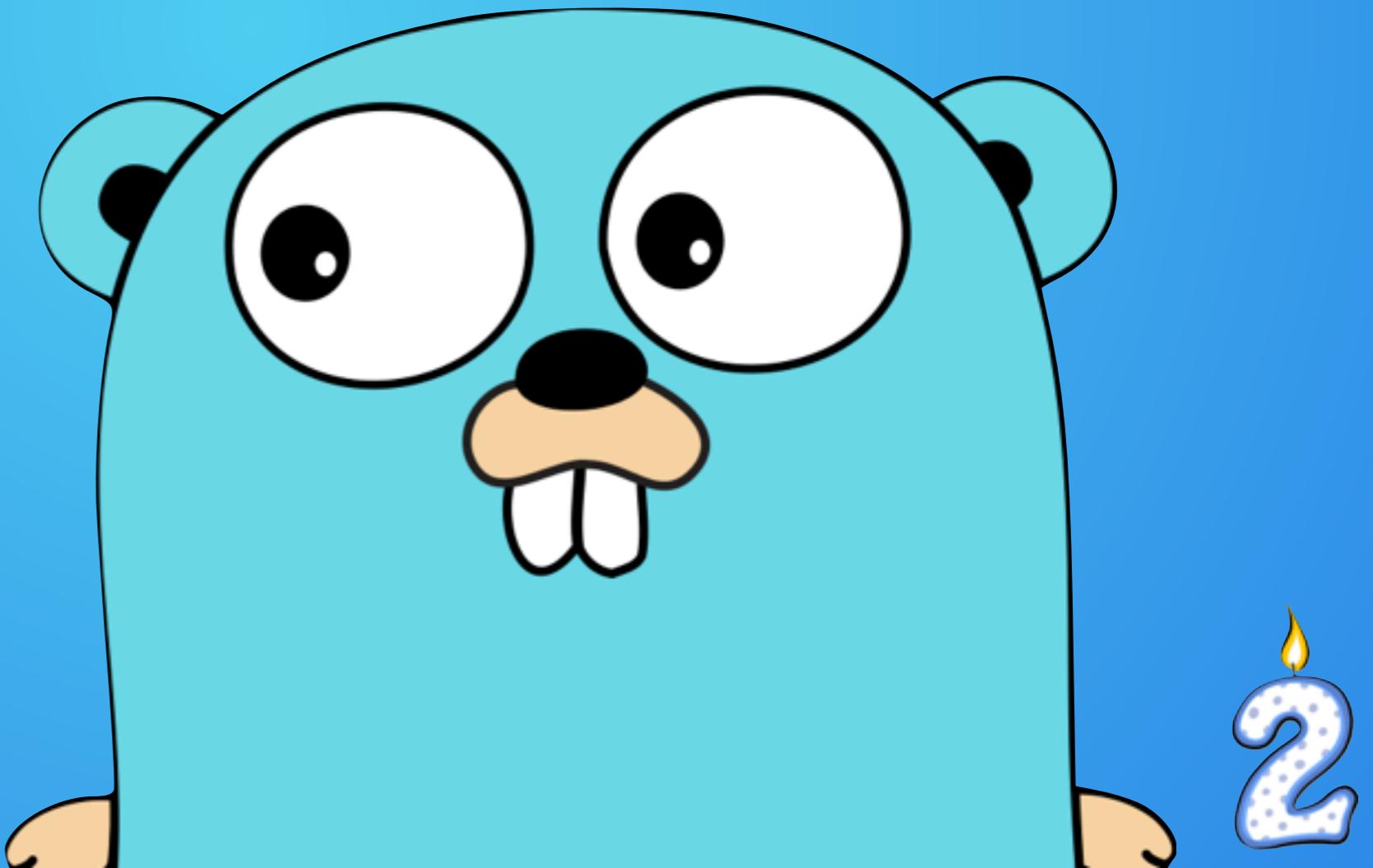
what is Docker?



Docker is an
open source
project



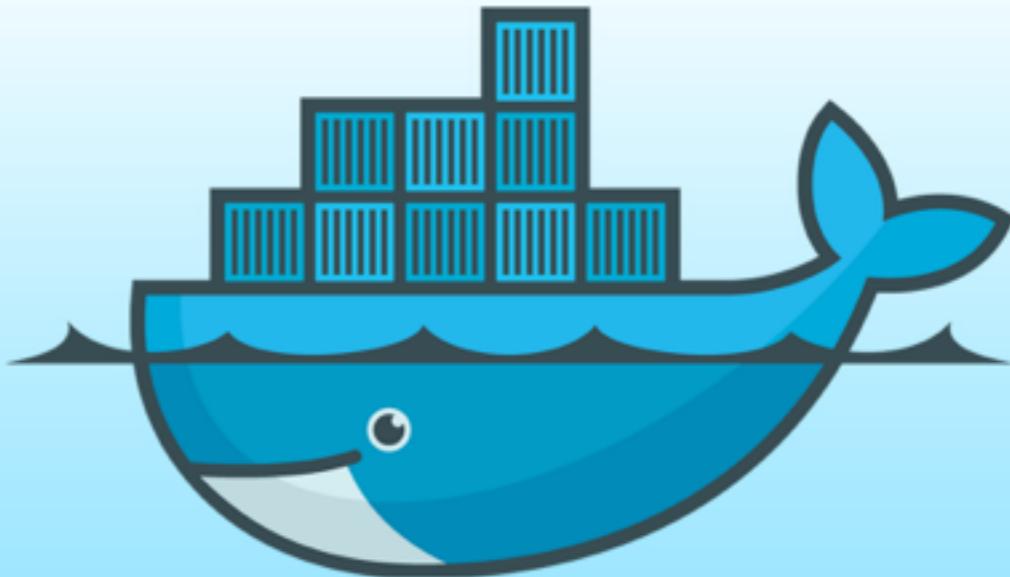
Docker is written in Go



[What is Docker?](#)[Use Cases](#)[Try It!](#)[Install & Docs](#)[Browse](#)[Log In](#)[Sign Up](#)

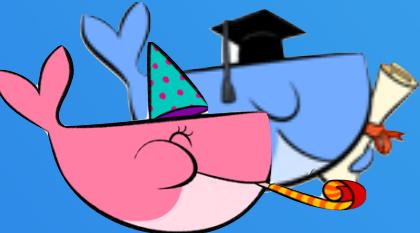
Build, Ship and Run Any App, Anywhere

Docker - An open platform for distributed applications for developers and sysadmins.

[What is Docker?](#)[Try It!](#)

New: Docker Orchestration Tools

Docker helps developers build, ship and run applications faster



Docker Docker

 [docker / docker](#)

[Watch](#) 1,681 [Unstar](#) 19,927 [Fork](#) 4,178

Docker - the open-source application container engine <http://www.docker.com> — Edit

13,831 commits 11 branches 86 releases 809 contributors

branch: master → [docker](#) / [+](#)

Merge pull request #11305 from moxiegirl/HOSTPATH-text-11144 ...
moxiegirl authored 3 hours ago latest commit 50bf3cbedc

File	Description	Time Ago
api	Merge pull request #11305 from moxiegirl/HOSTPATH-text-11144	3 hours ago
builder	Some fixed for new LABEL stuff	2 days ago
builtins	Removing -X flag option and autogenerated code to create Dockerversio...	27 days ago
contrib	Updates to bash completion	a day ago
daemon	Merge pull request #11450 from crosbymichael/rlimitfix	16 hours ago
docker	Fix daemon shutdown on error after rework of daemon startup	a day ago
dockerinit	pkg/reexec: move reexec code to a new package	4 months ago
docs	Merge pull request #11305 from moxiegirl/HOSTPATH-text-11144	3 hours ago
engine	Merge pull request #11076 from hqhq/hq_use_warning_in_sysinfo	3 days ago
events	filter events by container name,id or partial id	12 days ago
graph	Add ability to refer to image by name + digest	a day ago

Code Issues 682 Pull requests 123 Pulse Graphs Settings

SSH clone URL
git@github.com:dock... [Copy](#)

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

[Clone in Desktop](#) [Download ZIP](#)

Run any application as a lightweight container



Kitematic

kitematic / kitematic

The easiest way to start using Docker on Mac <https://kitematic.com>

1,050 commits 3 branches 23 releases 11 contributors

branch: master +

Update ROADMAP.md

File	Description	Time Ago
__tests__	Fixing tests, regencerts only on Stopped and Saved VMs	10 days ago
fonts	Rename icons	11 days ago
images	Merge branch 'master' into machine	20 days ago
resources	Setup fixes & unit tests	a month ago
src	Fix white screen if VBox is not installed properly	9 days ago
styles	Rename icons	11 days ago
util	Fixing npm install	4 days ago
.gitignore	Fix .gitignore	7 days ago
.jshintrc	Merging	a month ago
CONTRIBUTING.md	Update CONTRIBUTING.md	4 days ago
LICENSE	Update company name to Docker, Inc.	6 days ago

Code

- Issues 75
- Pull requests 2
- Wiki
- Pulse
- Graphs

SSH clone URL
git@github.com:kitematic/

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

Clone in Desktop

Download ZIP

Docker GUI for the Mac



Docker Compose

 docker / compose

Define and run complex applications using Docker <https://docs.docker.com/compose/> — Edit

1,009 commits 7 branches 24 releases 68 contributors

branch: master → compose / +

Merge pull request #1128 from aanand/jenkins-dco ...
bflirsh authored 4 hours ago latest commit ae9c965823

File	Description	Time Ago
bin	Rename binary to docker-compose and config file to docker-compose.yml	2 months ago
compose	Merge pull request #867 from knutwalker/feature/timeout-flag	5 days ago
contrib/completion/bash	Add timeout flag to stop, restart, and up	8 days ago
docs	Fix environment resolution	5 days ago
script	Validate DCO in script/test-versions	18 hours ago
tests	Change port in ports-composefile to 49152	2 days ago
.dockerignore	Add script which runs Fig inside Docker	26 days ago
.gitignore	Rename binary to docker-compose and config file to docker-compose.yml	2 months ago
CHANGES.md	Ship 1.1.0	21 days ago
CONTRIBUTING.md	Run tests using Docker-in-Docker so we can test multiple versions	9 days ago
Dockerfile	Kick everything off from a single container	9 days ago
LICENSE	Docker, Inc.	8 months ago

Code Issues Pull requests Pulse Graphs Settings

SSH clone URL:
`git@github.com:docker/com`
You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

Clone in Desktop Download ZIP

Running multiple containers in cooperation



Docker Machine

 [docker / machine](#)

Watch 113 ⌂ Star 1,523 ⌂ Fork 217 ⌂

Machine management for a container-centric world <https://docs.docker.com/machine/> — Edit

701 commits 1 branch 8 releases 44 contributors

branch: master machine / +

Merge pull request #625 from databus23/b2d_proxy_env ...
ehazlett authored 3 hours ago latest commit 46ea081f70

File	Commit Message	Time
Godeps	Vendor 'github.com/skarademir/naturalsort'	13 hours ago
docs	certs: check if remote is valid and regenerate if not	a day ago
drivers	Merge pull request #770 from ehazlett/x509-check-ip-san	a day ago
provider	add provider package tests	9 days ago
script	more integration test robustness	11 days ago
ssh	start on refactor for driver interface	9 days ago
state	Fix doc typo and add additional if condition	3 months ago
test/integration	DO: updated to new driver spec; updated integration tests	a day ago
utils	Disable HTTP Keepalives for b2d iso download	22 hours ago
.dockerignore	Add some misses I found	2 months ago
.gitignore	Add some misses I found	2 months ago

< Code Issues 123 Pull requests 40 Pulse Graphs Settings

SSH clone URL
git@github.com:dock... ⌂
You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

Clone in Desktop Download ZIP

Creating container aware hosts everywhere



Docker Swarm

 [docker / swarm](#)

[Watch](#) 214 [Unstar](#) 2,409 [Fork](#) 244

Swarm: a Docker-native clustering system — Edit

1,051 commits 3 branches 5 releases 46 contributors

branch: [master](#) / [swarm](#) / [+](#)

Merge pull request [#451](#) from vieux/number_container

vieux authored 20 hours ago latest commit `3dfa0816c5`

File	Description	Time Ago
Godeps	update dockerclient	19 days ago
api	add support for docker ps -l / -n	9 days ago
cluster	pull only latest if no tag	20 hours ago
discovery	add an index and go make some small tweaks	21 days ago
docs	Add beta warning to docs	20 days ago
scheduler	Merge pull request #451 from vieux/number_container	a day ago
script	Enable coveralls.	5 days ago
state	state: Store container ID in requested state.	2 months ago
test/integration	Merge pull request #468 from vieux/ps_n_l	8 days ago
version	add VERSION file	a month ago
.gitignore	improve locks	4 months ago

Code Issues Pull requests Wiki Pulse Graphs Settings

SSH clone URL: `git@github.com:docker/swarm`
You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

[Clone in Desktop](#) [Download ZIP](#)

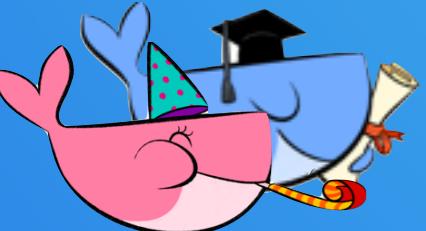
Native clustering for Docker hosts



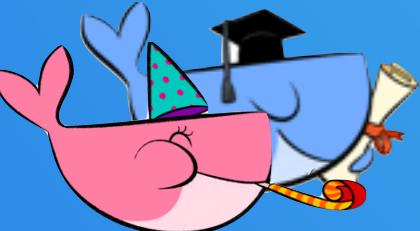
Open Source Contributions



Open Source
is more than
programming

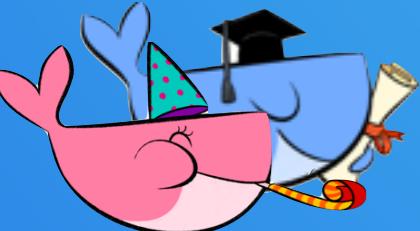


Here are a few
different ways
of getting
involved

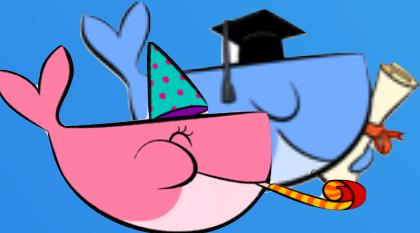


Answer a question on

1. GitHub
2. The forums
3. The chatrooms & IRC
4. Stack Overflow

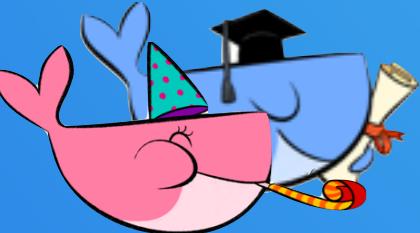


Review the documentation



#writing  2

Write some documentation



#writing



Write a tutorial



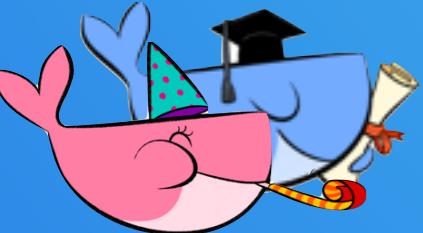
#teaching



Write a blog post



Screencast a feature



#teaching #video 2

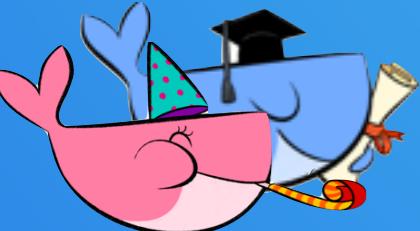
File a Bug Report



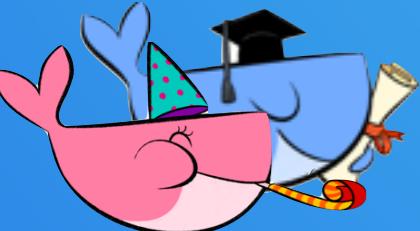
#bug



Organize & Review Issues, Bugs & Tickets



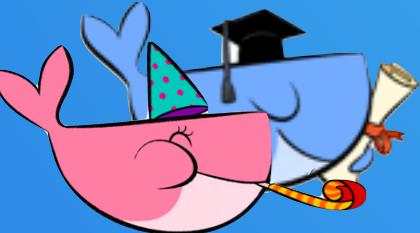
Contribute
Artwork, Logos,
Icons, Figures &
Designs



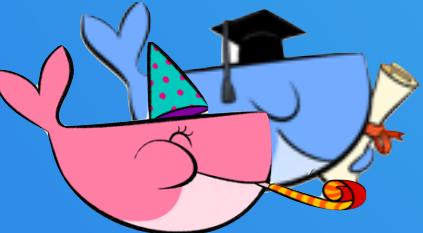
#graphics



The key to
open source
is ...



Many People Making Small Improvements



Docker.Party

Docker's Birthday Party

If it's your first time contributing to open source we strongly suggest you start with our [First Time Guide](#).

Events

Online

Contributing

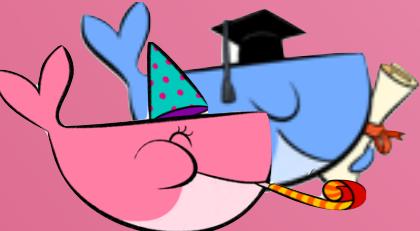
Contributing Guides

- First Time
- Organize our issues
- Testing
- Screencasts
- Tutorials
- Graphics
- Mentorship
- Code
- Community
- Getting Started
- Documentation

Step by
Step
Guides



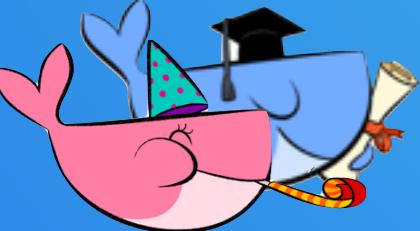
How to Start Contributing to Open Source



Have a
“How can I
help attitude”

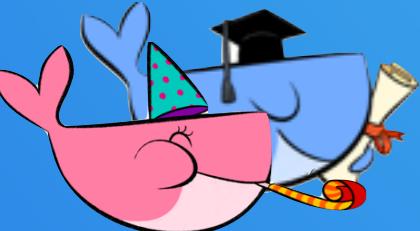


Just a basic overview



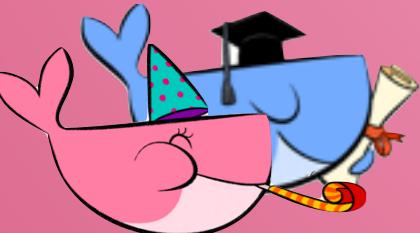
If you already
contribute to open
source...

Ignore the next part



Step 0:

Sign up for GitHub



Sign up (it's free)

The screenshot shows the GitHub sign-up page with a light gray header containing the GitHub logo, 'Explore', 'Features', 'Enterprise', 'Blog', and a 'Sign in' button. Below the header, the main title 'Join GitHub' is displayed in large, bold, dark gray font, followed by the subtitle 'The best way to design, build, and ship software.' in a smaller, regular dark gray font. Below the subtitle, there are three steps outlined in a horizontal bar: 'Step 1: Set up a personal account' (with a person icon), 'Step 2: Choose your plan' (with a square icon), and 'Step 3: Go to your dashboard' (with a clock icon). The 'Step 1' box is highlighted with a thin gray border. The 'Create your personal account' section contains fields for 'Username' (a blue-bordered input field) and 'Email Address' (a white input field). A small note below the email field states: 'You will occasionally receive account-related emails. We promise not to share your'. To the right, a sidebar titled 'You'll love GitHub' lists three benefits with green checkmarks: 'Unlimited collaborators', 'Unlimited public repositories', and 'Great communication' and 'Friction-less development'.

GitHub Explore Features Enterprise Blog Sign in

Join GitHub

The best way to design, build, and ship software.

Step 1:
Set up a personal account

Step 2:
Choose your plan

Step 3:
Go to your dashboard

Create your personal account

Username

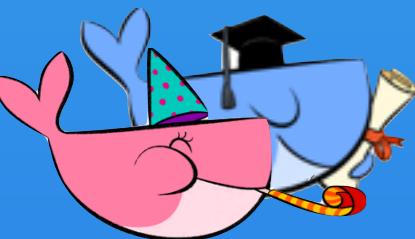
This will be your username — you can enter your organization's username next.

Email Address

You will occasionally receive account-related emails. We promise not to share your.

You'll love GitHub

- Unlimited collaborators
- Unlimited public repositories
- Great communication
- Friction-less development



GitHub.com



Step 1:

Install Docker





Search the Docs

What is Docker?

Use Cases

Try It!

Browse

Log In

Sign Up

About

Installation

User Guide

Docker Hub

Examples

Articles

Reference

Contribute

Learn the key concepts before installing

Install Boot2Docker

Start the Boot2Docker Application

From the Applications folder

From your command line

Basic Boot2Docker Exercises

Access container ports

Mount a volume on the container

Upgrade Boot2Docker

From the command line

Use the installer

Learning more and Acknowledgement

Install Docker on Mac OS X

Version v1.5 (Latest)

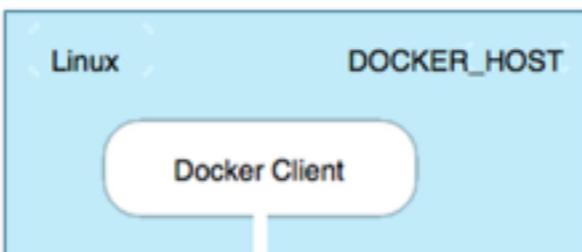
Because the Docker daemon uses Linux-specific kernel features, you can't run Docker natively in OS X. Instead, you must install the Boot2Docker application. Boot2Docker includes a VirtualBox VM, Docker itself, and the Boot2Docker management tool.

The Boot2Docker management tool is a lightweight Linux virtual machine made specifically to run the Docker daemon on Mac OS X. The VirtualBox VM runs completely from RAM, is a small ~24MB download, and boots in approximately 5s.

Your Mac must be running OS X 10.6 "Snow Leopard" or newer to run Boot2Docker.

Learn the key concepts before installing

In a Linux installation, your local machine is the Docker host. The Docker client, the Docker daemon, and any containers run directly on this host. This means you can address ports on a Docker container using standard addressing such as `localhost:8000` or `0.0.0.0:8376`.

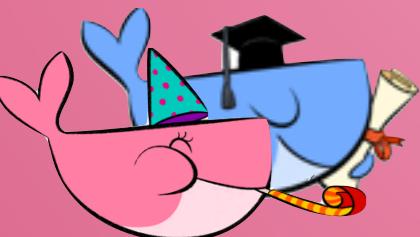


docs.docker.com/installation/



Step 2:

Find an issue



Find an Issue

- <http://docker.party/getting-started>
- Filter it to your experience
(exp/novice < exp/master)
- Look for help-wanted



Filter Issues Around Kind

kind/writing

kind/bug

kind/video

kind/proposal

kind/testing

kind/cleanup

kind/graphics



Call “#dibs”

- Add a comment with “#dibs”
- This will let everyone else know you are working on this issue
- It will remove it from the list (after a minute or two)
- After 48 hours of inactivity it will be returned to the list

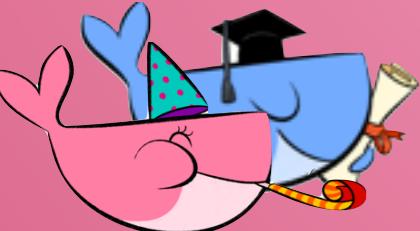


Create Your Own Issue

- Have a great idea?
- Wish something was different?
- Most tickets are created by the person who will implement it
- They have a vested interest in its completion



Step 3: Create a copy of Docker (Fork)



github.com/docker

 Docker
<http://www.docker.com>

[Filters](#)

birthdaysite Docker's Birthday Site Updated 10 minutes ago CSS ★ 1 ⚡ 4

docker Docker - the open-source application container engine Updated 24 minutes ago Go ★ 19,928 ⚡ 4,180

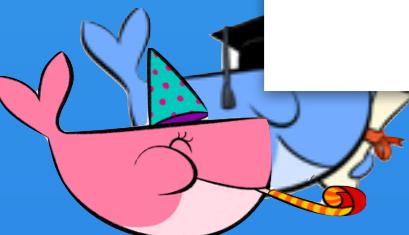
libcontainer Linux Containers Updated 4 hours ago Go ★ 720 ⚡ 190

machine Machine management for a container-centric world Updated 6 hours ago Go ★ 1,524 ⚡ 218

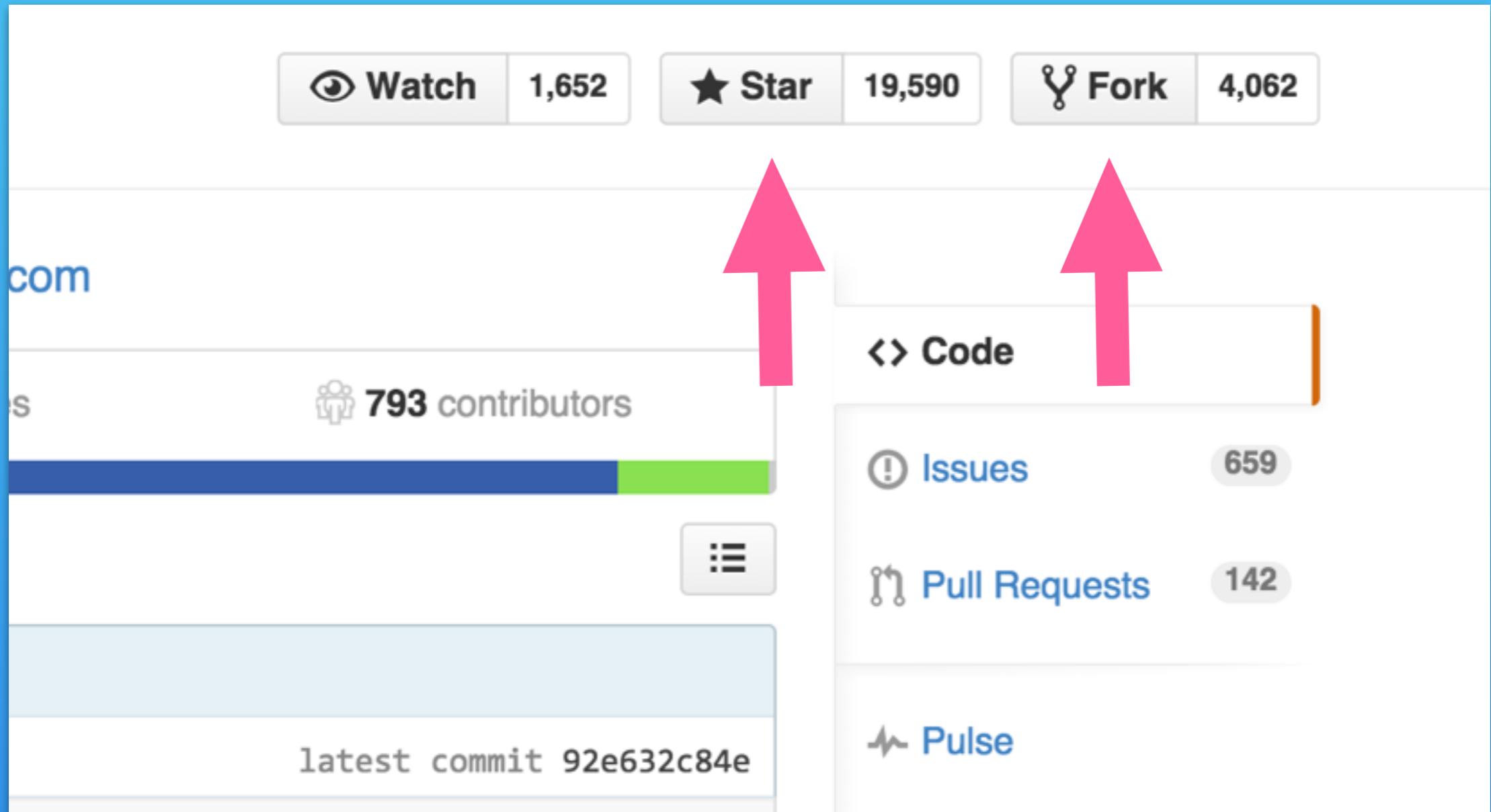
People 14 >



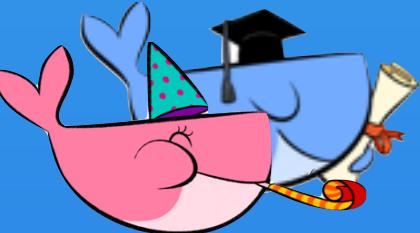
[REDACTED]



github.com/docker/ docker



A screenshot of the Docker GitHub repository page. At the top, there are four buttons: 'Watch' (1,652), 'Star' (19,590), 'Fork' (4,062), and 'Code'. Two large pink arrows point upwards from the bottom of the page towards the 'Star' and 'Fork' counts. Below these buttons, the repository name 'com/docker/docker' is partially visible. In the center, there is a 'contributors' section showing '793 contributors' with a blue and green progress bar. To the right of the bar is a 'Code' button. Further down, there are sections for 'Issues' (659), 'Pull Requests' (142), and 'Pulse'. At the very bottom, it shows the 'latest commit' with the hash '92e632c84e'.



spf13 / docker

forked from [docker/docker](#)

13,715 commits 10 branches 85 releases 802 contributors

This branch is 1 commit ahead, 117 commits behind docker:master

Pull Request Compare

Adding kitematic to the readme

spf13 authored 4 days ago latest commit 21a857106f

Commit	Message	Time
api	Allow a non-existent groupid to own the docker socket	5 days ago
builder	Fix builder when num of RUN args is 1	7 days ago
builtins	Removing -X flag option and autogenerated code to create Dockerversio...	26 days ago
contrib	Move scripts back to hack/, leave docs in project/	5 days ago
daemon	Merge pull request #10238 from miminar/ephemeral-port-range-allocation	5 days ago
docker	cleanup defer func	8 days ago
dockerinit	pkg/reexec: move reexec code to a new package	4 months ago
docs	Merge pull request #11345 from x1022as/cli	5 days ago
engine	Merge pull request #10924 from tcnghia/master	6 days ago

Code Pull requests Pulse Graphs

HTTPS clone URL
<https://github.com/spf13/>

You can clone with [HTTPS](#) or [Subversion](#).

Clone in Desktop Download ZIP

github.com/YOURNAME/docker

This is your copy of the Docker project



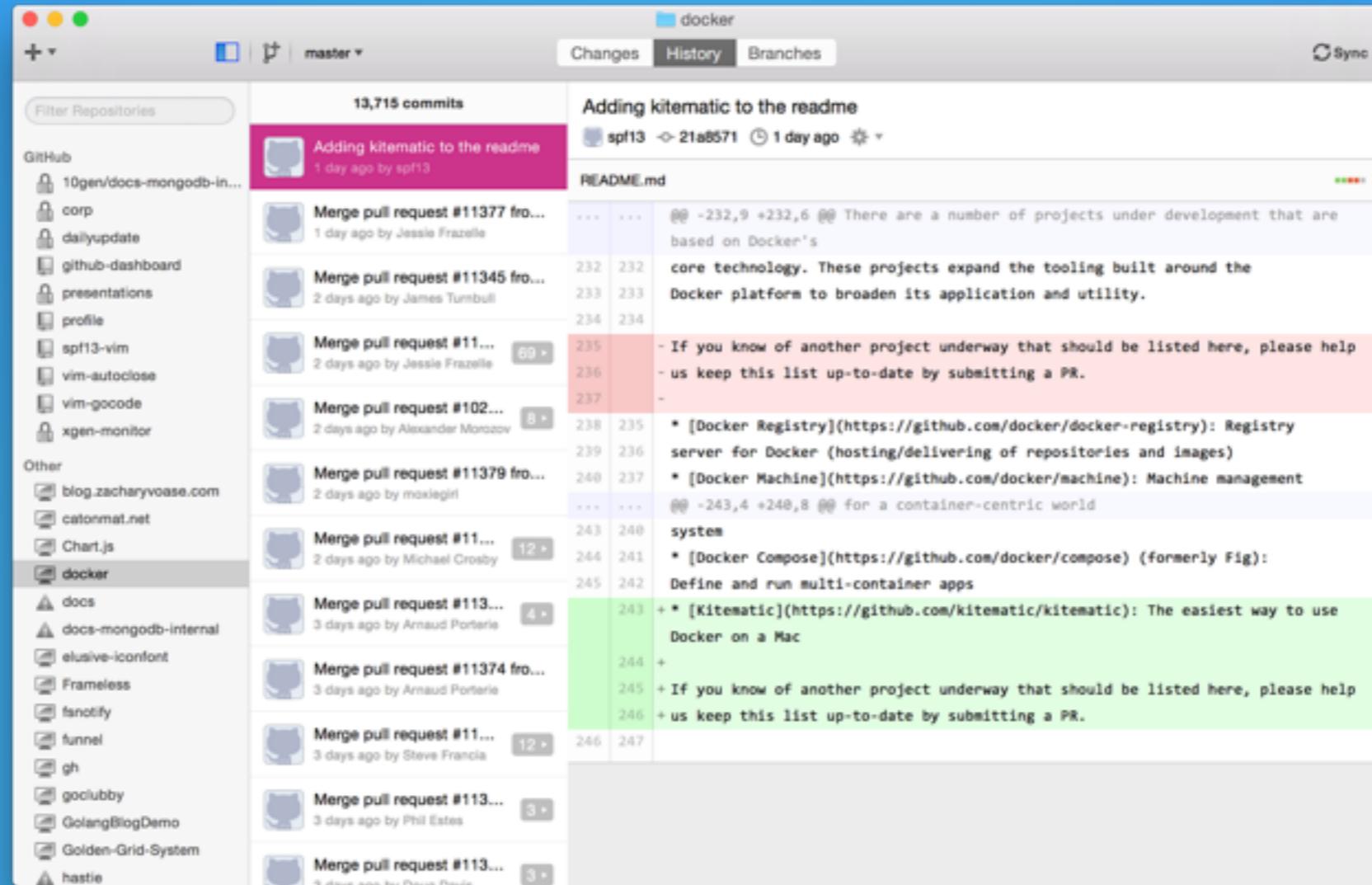
The SourceTree interface is shown against a background of a circuit board pattern. At the top, the Atlassian SourceTree logo is displayed. Below it, the text "A free Git & Mercurial client for Windows or Mac." is followed by a blue button labeled "Download SourceTree Free" and "Mac OS X 10.7+". A link "Download SourceTree for Windows 7+" is also present. The main window shows a file status bar with "Working" checked. The left sidebar lists "BRANCHES" (master), "TAGS" (sparkle-1.5b1 through sparkle-1.5b6), "REMOTES", "STASHES", "SUBMODULES", and "SUBTREES". The central area displays a "Graph" view of branches and a table of commits. The commit table includes columns for Commit ID, Description, Author, and Date. A commit for "SUHost.m" is selected, showing its diff in the bottom right pane.

Commit	Description	Author	Date
f341d0c	Corrected minor spelling errors	Christian Zachariasen <c...>	Feb 22, 2012, 11:35 AM
e27828d	Merge pull request #144 from mattstevens/custom-defaults...	Andy Matuschak <andy@...>	Feb 14, 2012, 5:52 PM
44cf0d0	Merge pull request #145 from mattstevens/install-on-quit-...	Andy Matuschak <andy@...>	Feb 14, 2012, 5:48 PM
6be5568	Clean up after install on quit updates	Matt Stevens <matt@allo...>	Feb 13, 2012, 3:02 AM
29b7321	Support a custom user defaults domain	Matt Stevens <matt@allo...>	Feb 11, 2012, 10:31 PM
449b00e	Merge pull request #139 from mattstevens/pathToRelaunch	Andy Matuschak <andy@...>	Feb 9, 2012, 6:37 AM
4c25737	Merge pull request #142 from mzch/master	Andy Matuschak <andy@...>	Feb 9, 2012, 6:14 AM
88d4b34	Improved Japanese translations	Koichi MATSUMOTO <cmz...>	Feb 8, 2012, 6:37 AM

SourceTree

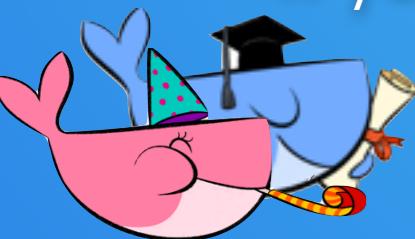
If you are new to Git & not comfortable with the command line





GitHub for Mac & Win

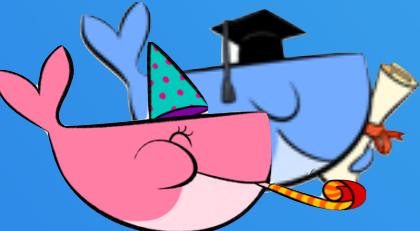
If you are new to Git & not comfortable with the command line



Step 4: Create your contribution



This is where
you work
your magic



Docker.Party

Docker's Birthday Party

If it's your first time contributing to open source we strongly suggest you start with our [First Time Guide](#).

Events

Online

Contributing

Contributing Guides

- First Time
- Organize our issues
- Testing
- Screencasts
- Tutorials
- Graphics
- Mentorship
- Code
- Community
- Getting Started
- Documentation

Step by
Step
Guides



Step 5:

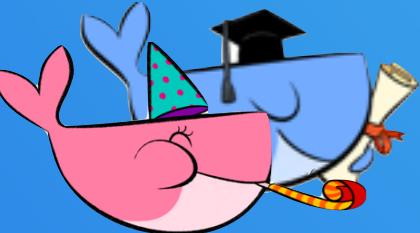
Contribute



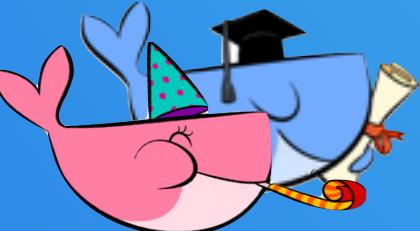
The screenshot shows a forum post in the "Share" category. The post is by user "spf13" (Leader) and was created 16 hours ago. The post text encourages users to share contributions made outside of Docker's git repositories, such as blog posts, videos, tutorials, and graphics. A "Share away" button is present. Below the post, there is a "Log in to Reply" button. A "Suggested Topics" section follows, featuring a single topic: "Welcome to Discourse". The table for this topic shows 0 replies, 0 views, and activity from 2 days ago. At the bottom, a message invites users to browse other topics in the "Share" category or view the latest topics.

Topic	Category	Replies	Views	Activity
>Welcome to Discourse		0	0	2d

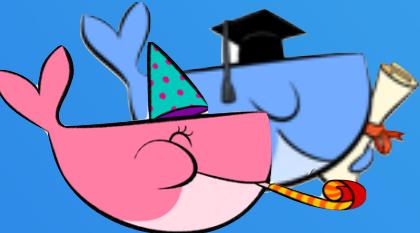
Add contributions made outside git to the contributor forum under “Share”



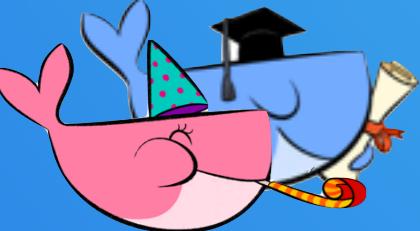
When
working with
the repo



**Commit to
your local
fork
(with signing)**



Send a Pull Request



Getting Help



Getting Help

- Ask questions in the contributor forum
- Get help in the Docker gitter.im chatroom
(dedicated to beginner contributors)
- Get help in IRC - #docker-dev on freenode
(for more advanced contributors)



#help-wanted

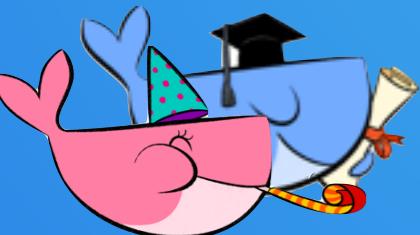
- Add a comment with “#help-wanted”
- This will let mentors and the core team know you want help
- Please explain what you need help with in the #help-wanted comment



**what's
Next?**



Introducing Your Mentors



what's Next

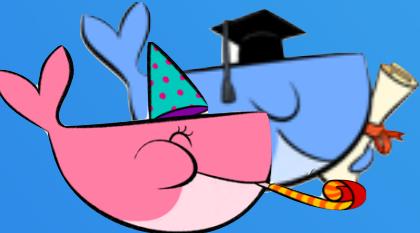
Break out into groups:

1. Non code contributions
2. Beginner Code contributions
(either new to Go or Docker)
3. Advanced Code contributions
(advanced users are encouraged to mentor)



**Now - 9pm :
Work on
Contributions**

9pm : Eat Cake



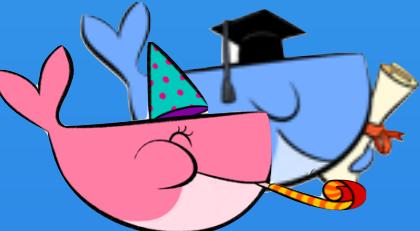
After tonight

- Please continue to make contributions
- The help channels are open 24/7/365
- Moby, Molly & the other whales will thank you for it

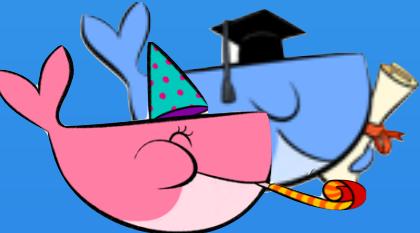
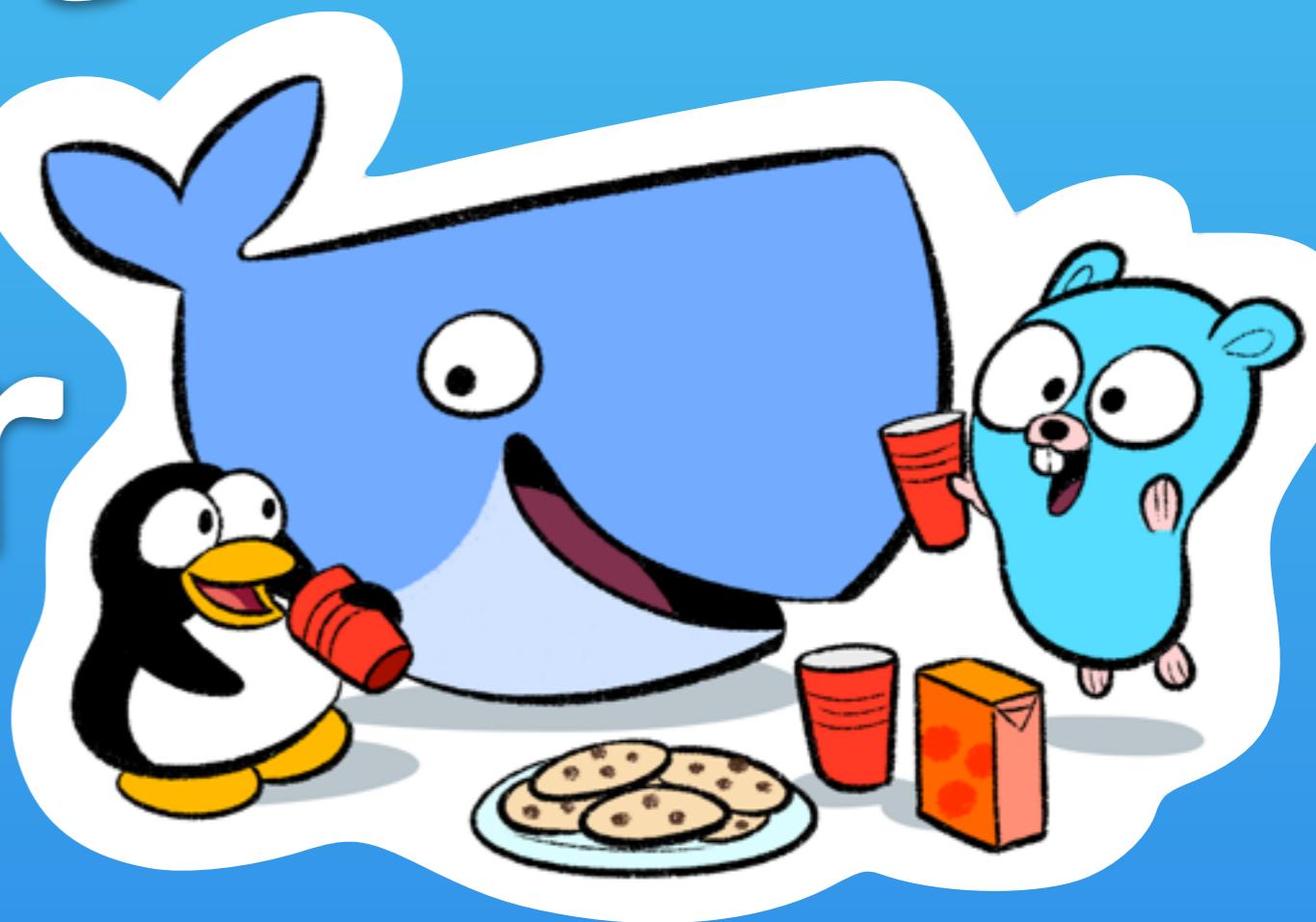


Be Kind

- Over 2000 people are participating
- More than double Docker's total contributors to date
- Be helpful, Be patient and Be kind



Let's Make Something Great Together



#dockerbday

2