

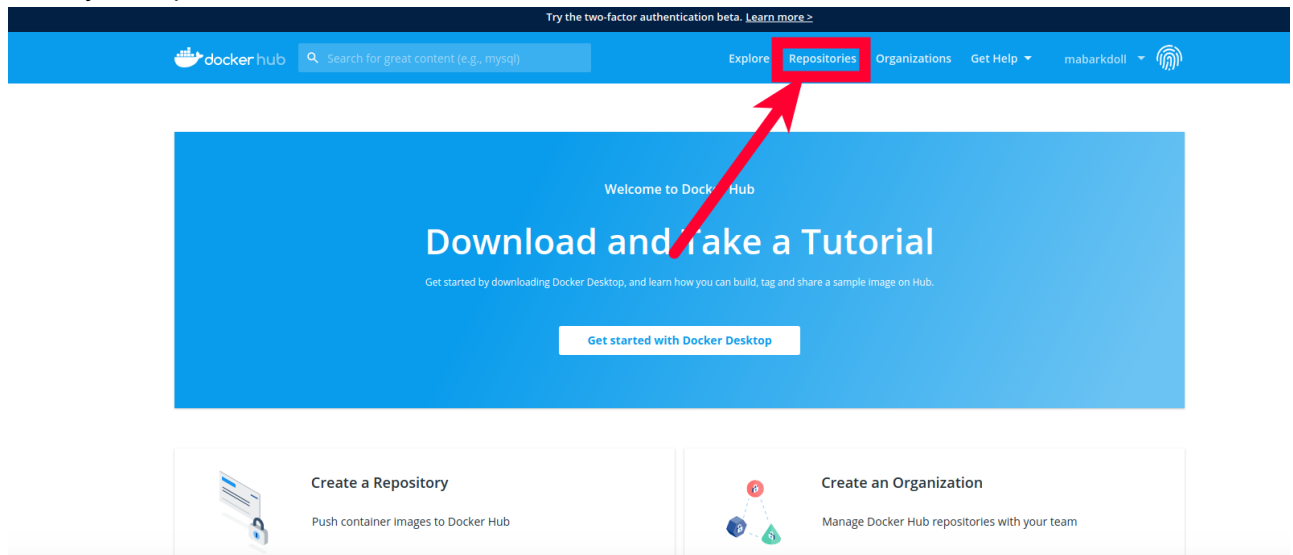
How to build docker containers with GitHub and DockerHub

The following document requires an account at DockerHub and GitHub. This document explains the following:

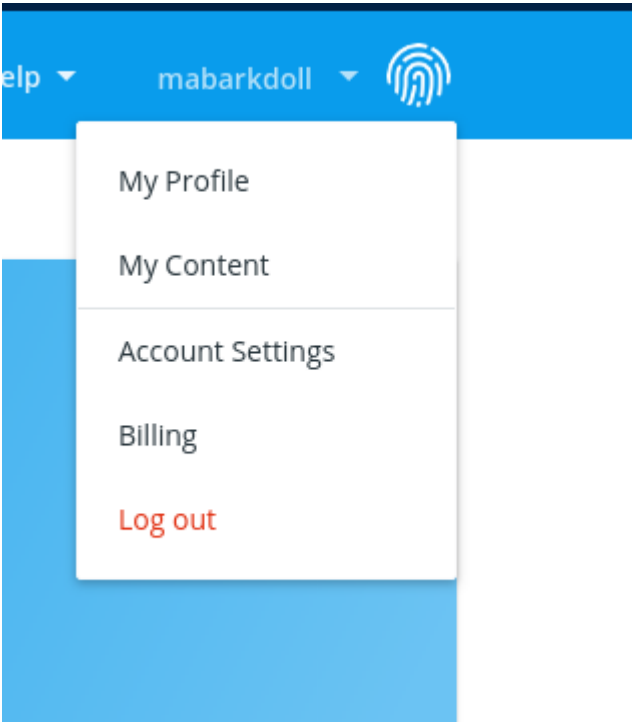
1. How to fork the Apache Guacamole client and server repositories on GitHub.
2. How to link your Github Account to your DockerHub account.
3. How to automate the build of docker containers from your Github Apache Guacamole server and client repositories.

1. Create an account on DockerHub <http://hub.docker.com>

2. Go to you Repositories

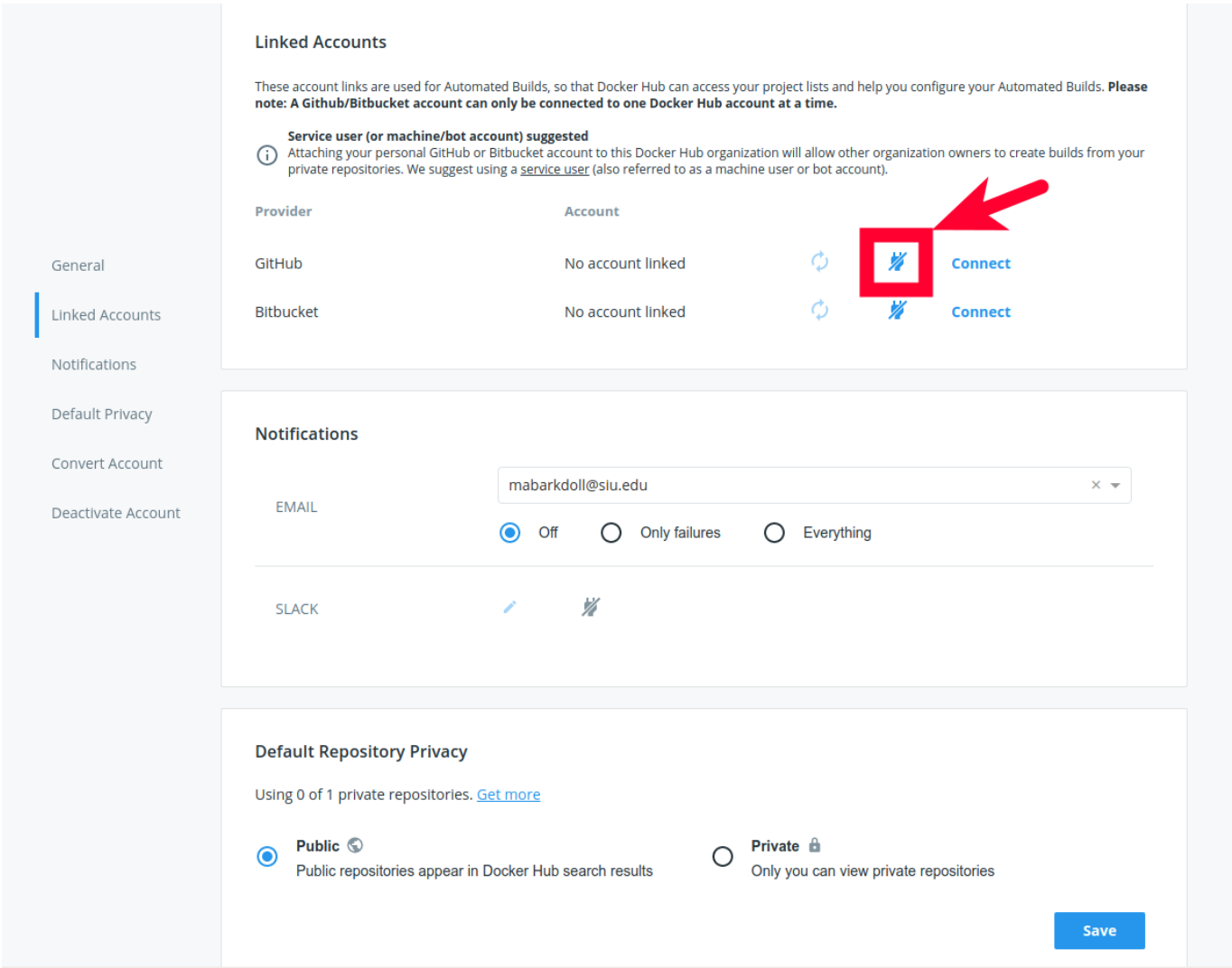


3. Click Account Settings

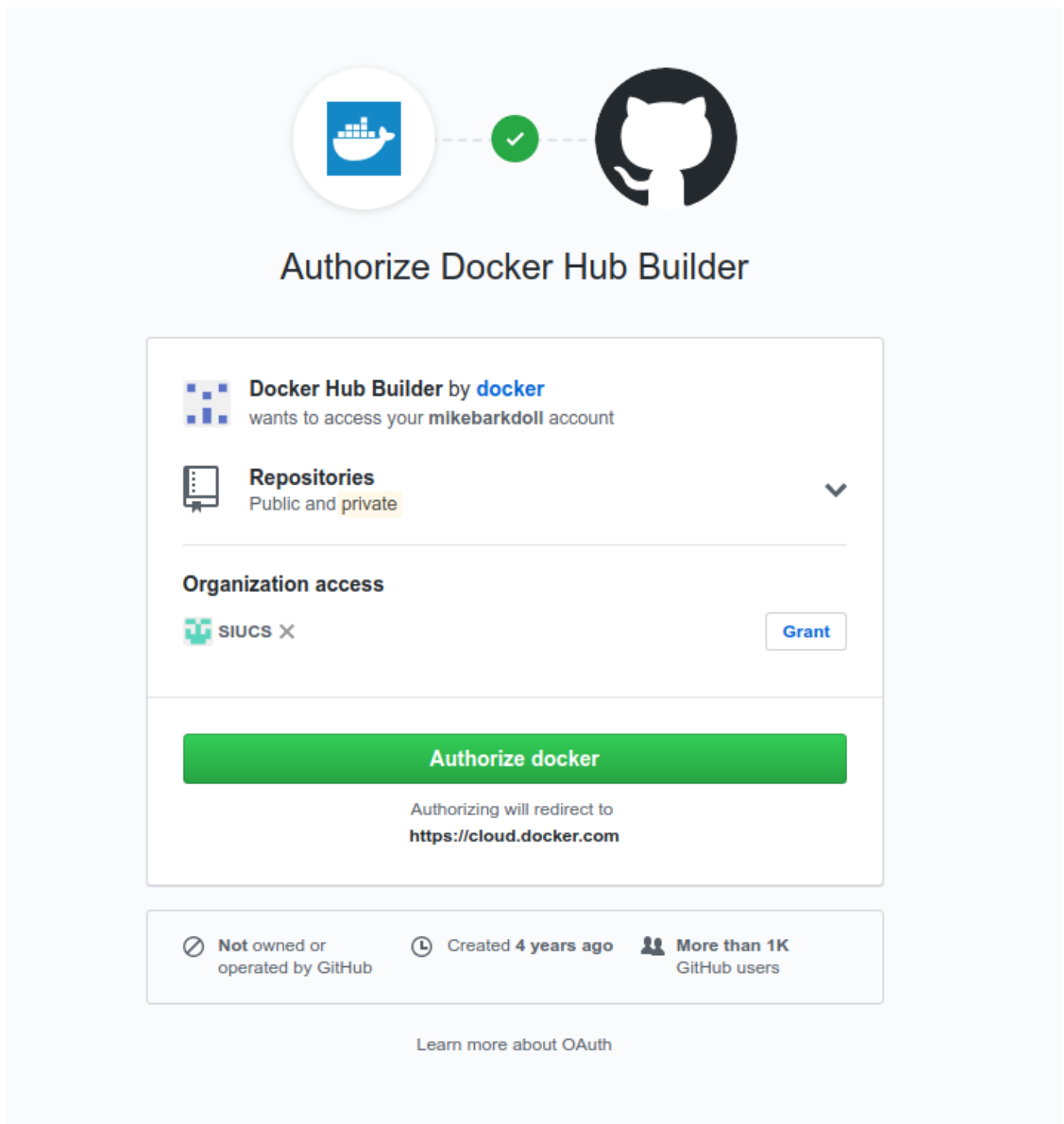


4. Under Account Settings, Go to Linked Accounts

Click the Connection Plug to link DockerHub to your currently logged in GitHub Account.

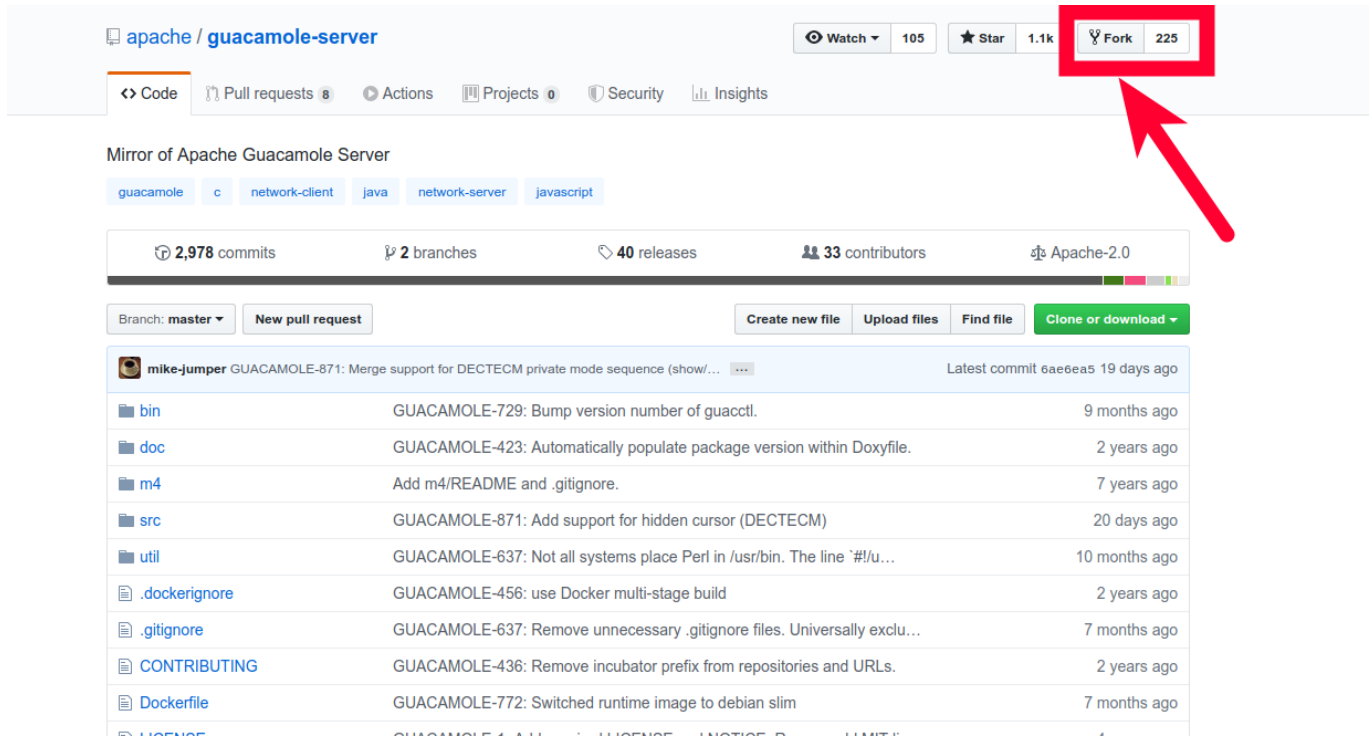


5. Click Authorize docker



6. On GitHub Fork the apache guacamole repositories.

<https://github.com/apache/guacamole-server>



apache / guacamole-server

Watch 105 Star 1.1k Fork 225

Code Pull requests 8 Actions Projects 0 Security Insights

Mirror of Apache Guacamole Server

guacamole c network-client java network-server javascript

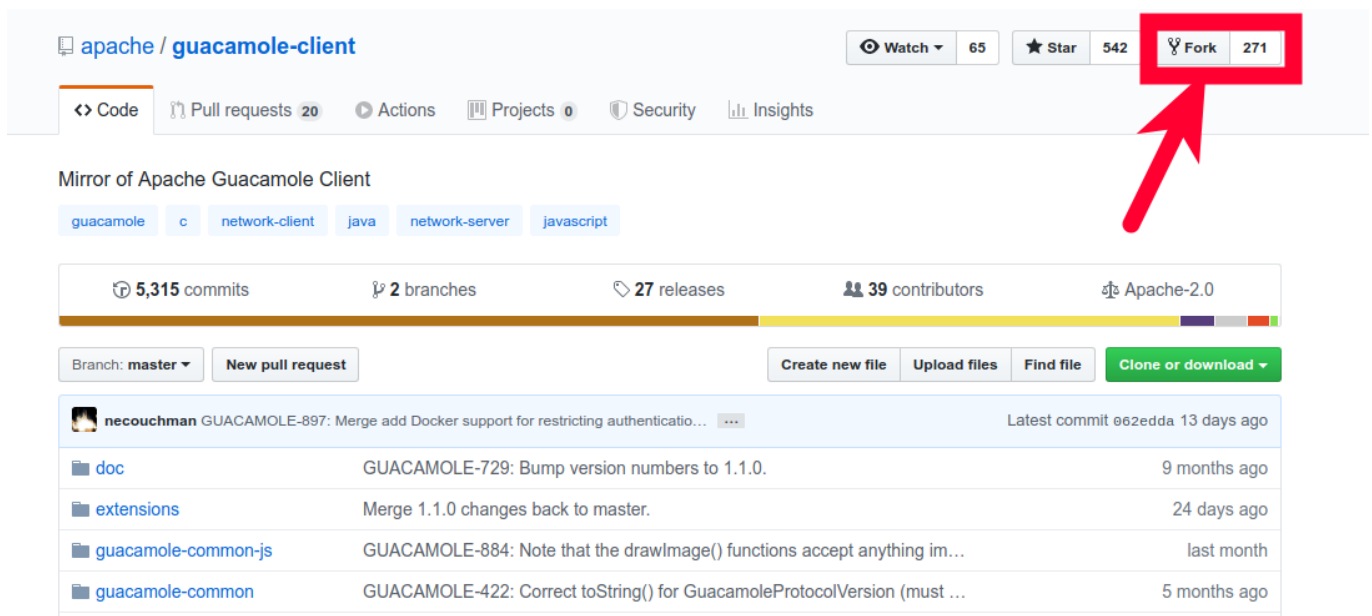
2,978 commits 2 branches 40 releases 33 contributors Apache-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

mike-jumper GUACAMOLE-871: Merge support for DECTECM private mode sequence (show/... Latest commit 6ae6ea5 19 days ago

bin	GUACAMOLE-729: Bump version number of guacctl.	9 months ago
doc	GUACAMOLE-423: Automatically populate package version within Doxyfile.	2 years ago
m4	Add m4/README and .gitignore.	7 years ago
src	GUACAMOLE-871: Add support for hidden cursor (DECTECM)	20 days ago
util	GUACAMOLE-637: Not all systems place Perl in /usr/bin. The line `#!/u...	10 months ago
.dockerignore	GUACAMOLE-456: use Docker multi-stage build	2 years ago
.gitignore	GUACAMOLE-637: Remove unnecessary .gitignore files. Universally exclu...	7 months ago
CONTRIBUTING	GUACAMOLE-436: Remove incubator prefix from repositories and URLs.	2 years ago
Dockerfile	GUACAMOLE-772: Switched runtime image to debian slim	7 months ago

<https://github.com/apache/guacamole-client>



apache / guacamole-client

Watch 65 Star 542 Fork 271

Code Pull requests 20 Actions Projects 0 Security Insights

Mirror of Apache Guacamole Client

guacamole c network-client java network-server javascript

5,315 commits 2 branches 27 releases 39 contributors Apache-2.0

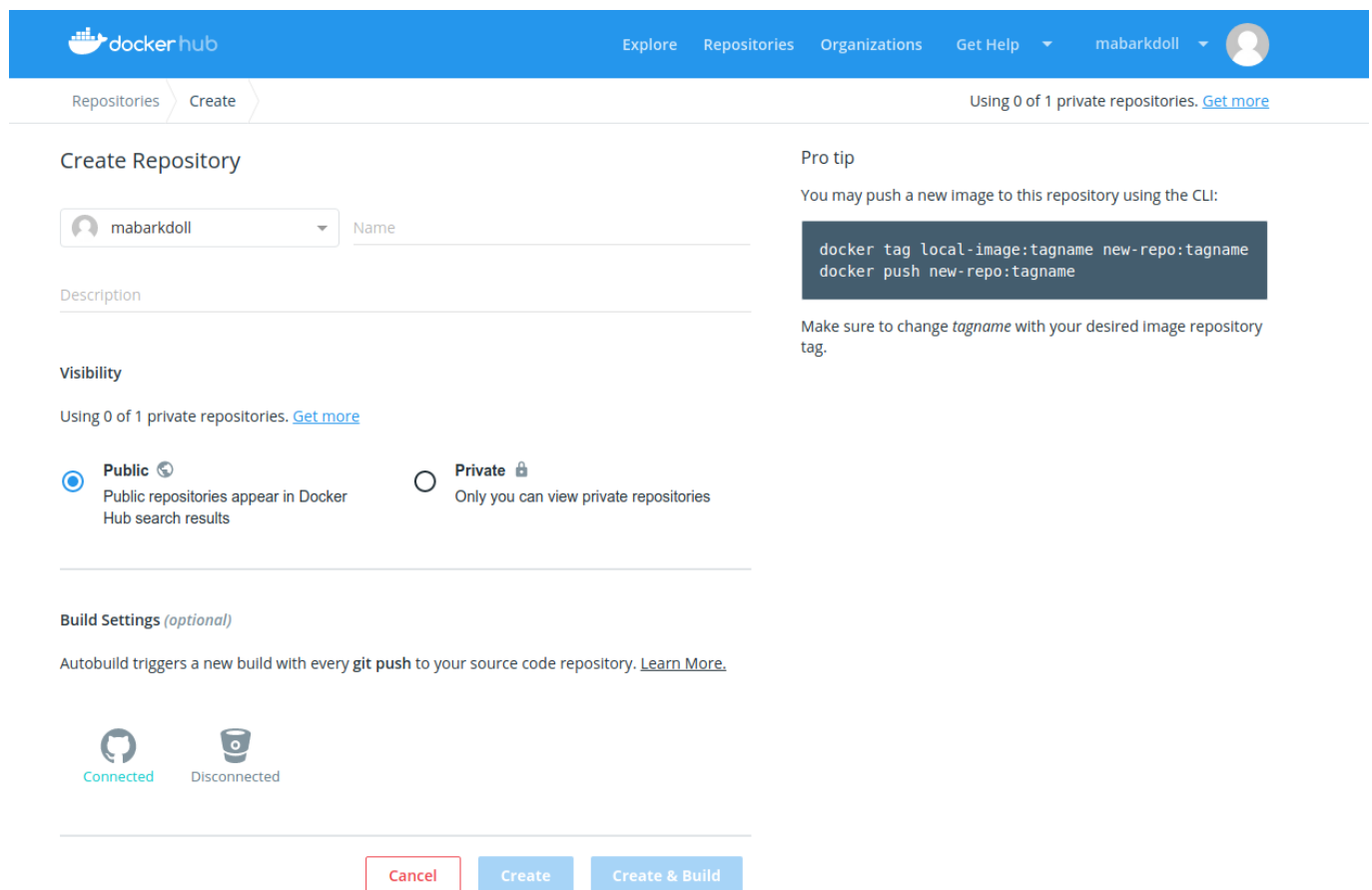
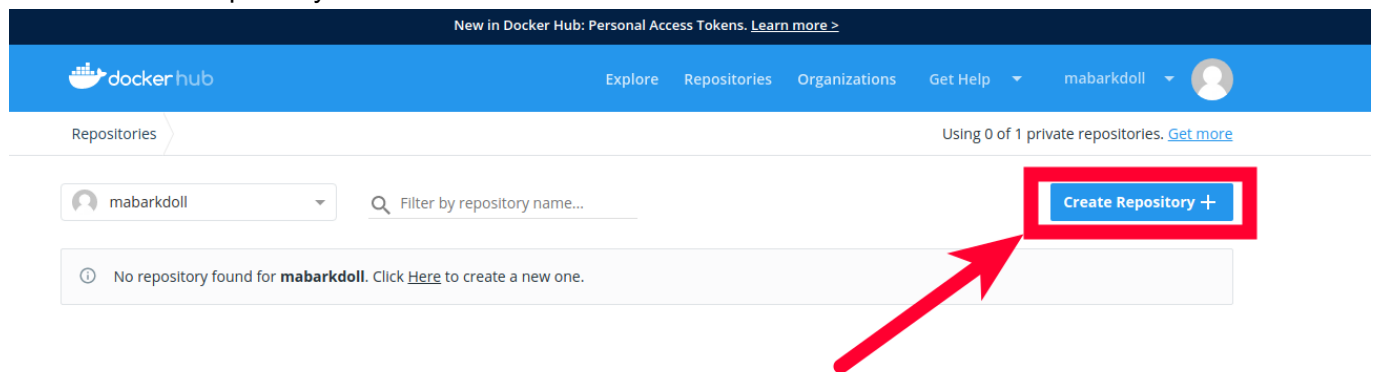
Branch: master New pull request Create new file Upload files Find file Clone or download

necouchman GUACAMOLE-897: Merge add Docker support for restricting authenticatio... Latest commit 062edda 13 days ago

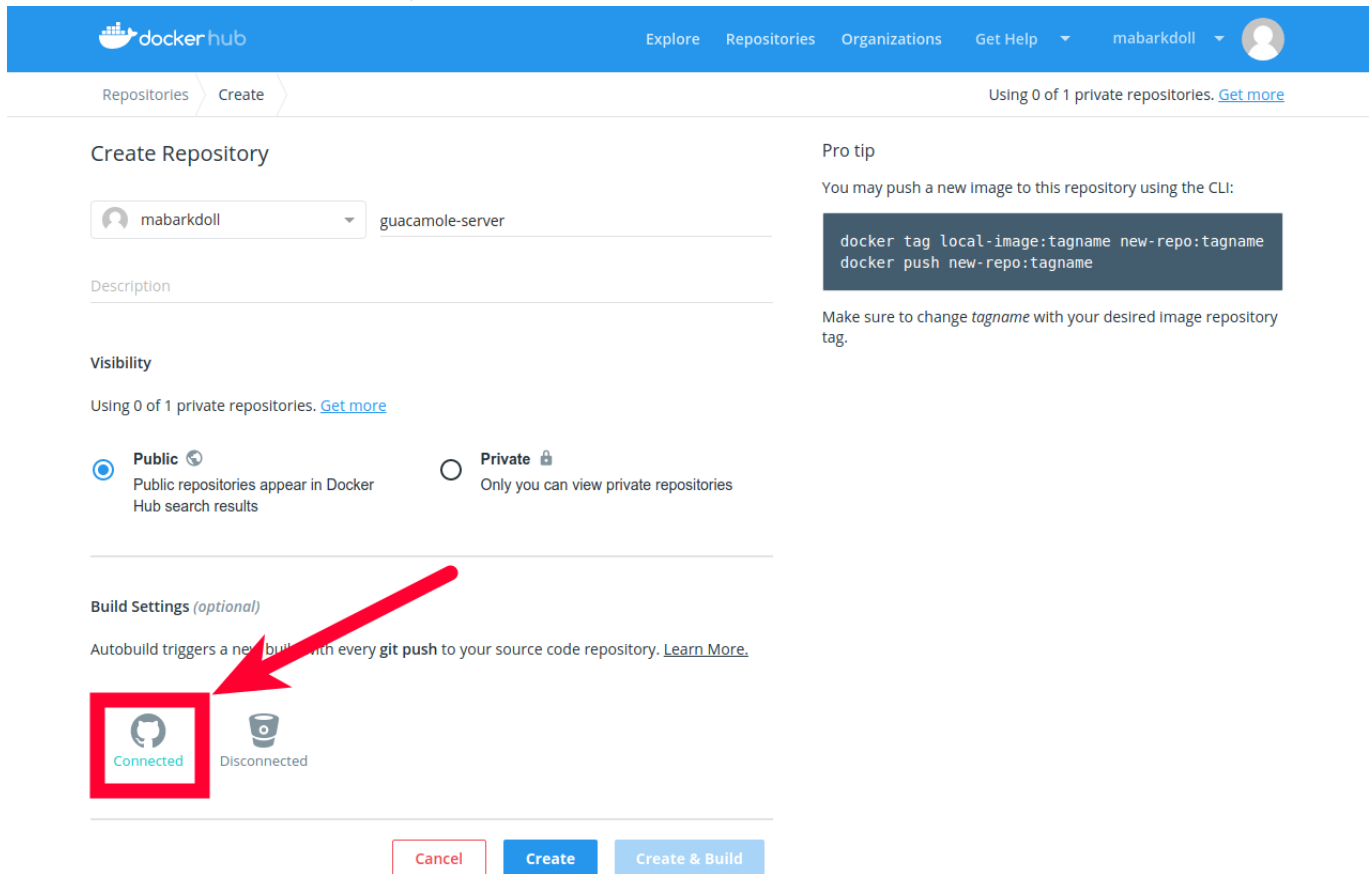
doc	GUACAMOLE-729: Bump version numbers to 1.1.0.	9 months ago
extensions	Merge 1.1.0 changes back to master.	24 days ago
guacamole-common-js	GUACAMOLE-884: Note that the drawImage() functions accept anything im...	last month
guacamole-common	GUACAMOLE-422: Correct toString() for GuacamoleProtocolVersion (must ...	5 months ago

7. On DockerHub, Create the repository

Click Create a Repository




Select Github under Build Settings



The screenshot shows the Docker Hub 'Create Repository' interface. At the top, there's a navigation bar with 'Repositories' and 'Create' tabs. The 'Create' tab is active. Below the navigation bar, the 'Create Repository' section is visible. It includes a dropdown menu for the user 'mabarkdoll' and a text input field containing 'guacamole-server'. Below this is a 'Description' field. The 'Visibility' section shows two radio buttons: 'Public' (selected) and 'Private'. A 'Pro tip' box on the right provides CLI commands for pushing a new image. The 'Build Settings (optional)' section is highlighted with a red box and a red arrow. It contains two icons: a GitHub icon labeled 'Connected' and a Docker icon labeled 'Disconnected'. At the bottom, there are three buttons: 'Cancel', 'Create', and 'Create & Build'.

Repositories Create Using 0 of 1 private repositories. [Get more](#)


Create Repository


 mabarkdoll

Description

Visibility



Using 0 of 1 private repositories. [Get more](#)

☒ **Public**  Public repositories appear in Docker Hub search results

☐ **Private**  Only you can view private repositories

Build Settings (optional)

Autobuild triggers a new build with every **git push** to your source code repository. [Learn More.](#)

 **Connected**  **Disconnected**

[Cancel](#) [Create](#) [Create & Build](#)

Pro tip

You may push a new image to this repository using the CLI:

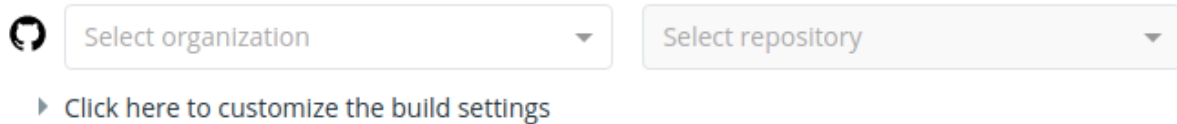
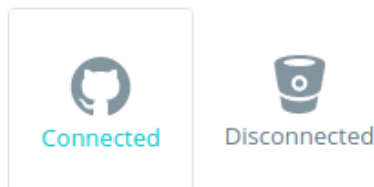
```
docker tag local-image:tagname new-repo:tagname
docker push new-repo:tagname
```

Make sure to change *tagname* with your desired image repository tag.


Select your organization and forked github repository

Build Settings (optional)

Autobuild triggers a new build with every **git push** to your source code repository. [Learn More.](#)



The form contains two dropdown menus. The first dropdown is labeled 'Select organization' and has a GitHub icon to its left. The second dropdown is labeled 'Select repository'. Below the dropdowns is a link that says 'Click here to customize the build settings'.



► [Click here to customize the build settings](#)



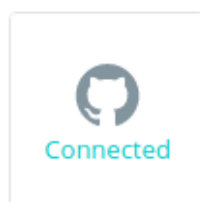
The form contains three buttons: 'Cancel', 'Create', and 'Create & Build'.

[Cancel](#) [Create](#) [Create & Build](#)

Select [Click here to customize the build settings](#)

Build Settings *(optional)*

Autobuild triggers a new build with every **git push** to your source code repository. [Learn More.](#)



mikebarkdoll



guacamole-server



▶ [Click here to customize the build settings](#)

Cancel


Create


Create & Build

Confirm similar settings.

Build Settings *(optional)*

Autobuild triggers a new build with every **git push** to your source code repository. [Learn More.](#)


Connected


Disconnected


 ✕ ▾

✕ ▾

▾ Click here to customize the build settings

BUILD RULES [+](#)

The build rules below specify how to build your source into Docker images.

Source Type	Source	Docker Tag	Dockerfile location	Build Caching	
<div>Branch ▾</div>	master	latest	Dockerfile	<div><div></div></div>	
▶ View example build rules					

Cancel

Create

Create & Build

You'll need to perform this step for both guacamole-client and guacamole-server.

- 8. Select Create & Build

The screenshot shows the Docker Hub interface for the repository `mabarkdoll/guacamole-server`. The top navigation bar includes links for Explore, Repositories, Organizations, Get Help, and the user profile `mabarkdoll`. The repository page has tabs for General, Tags, Builds, Timeline, Collaborators, Webhooks, and Settings. The `General` tab is active, showing the repository name, a note that it lacks a description, and that it has never been pushed. A 'Docker commands' section provides the command `docker push mabarkdoll/guacamole-server:tagname`. A 'Tags' section indicates no tags are present. A 'Recent builds' section lists two builds: 'Build in 'master' (6ae6e...)' and 'Github.Ping'. A 'Full Description' section at the bottom notes that the description is empty.

mabarkdoll / guacamole-server

This repository does not have a description

Last pushed: never

Docker commands

To push a new tag to this repository,

```
docker push mabarkdoll/guacamole-server:tagname
```

Tags

This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Recent builds

- `mikebarkdoll/guacamole-server`
- Build in 'master' (6ae6e...)
- Github.Ping

[See all](#)

Full Description

Repository description is empty. Click [here](#) to edit.

Complete information of docker-hub build process: <https://docs.docker.com/docker-hub/builds/>