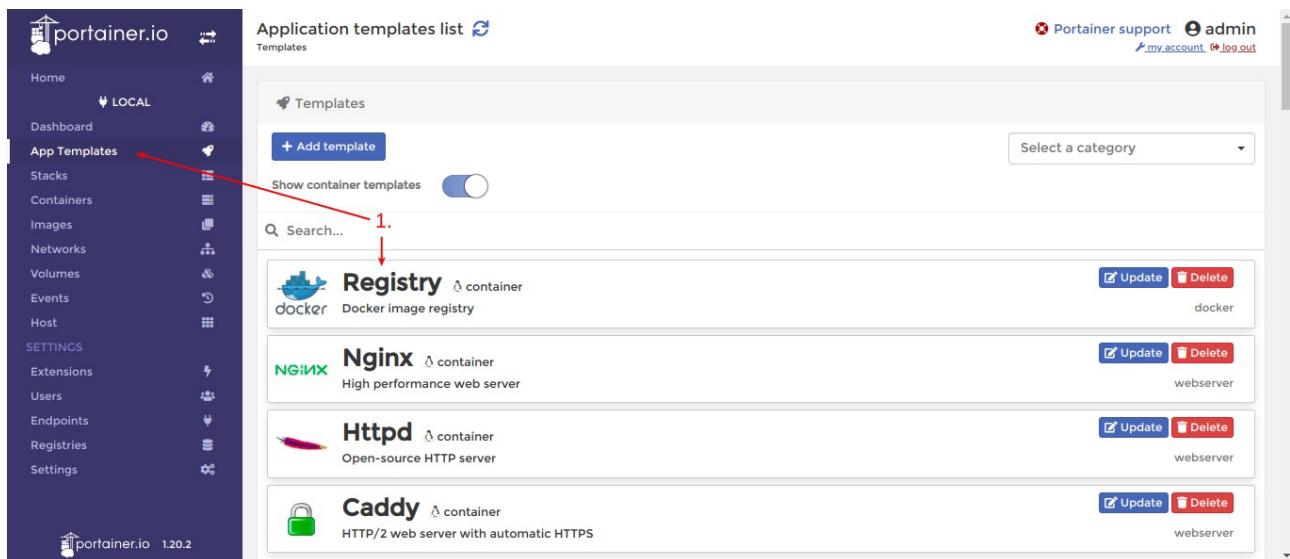


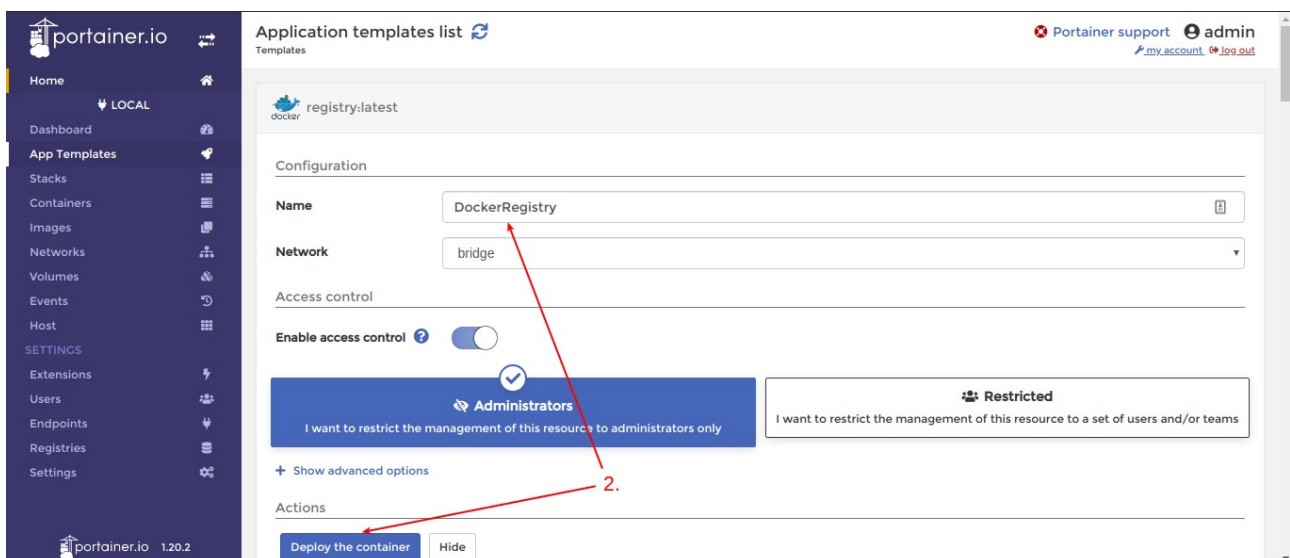
# Registry Manager with Insecure Docker Registry Container

- **Step 1:** Navigate to the App Templates view and click on the Registry template.



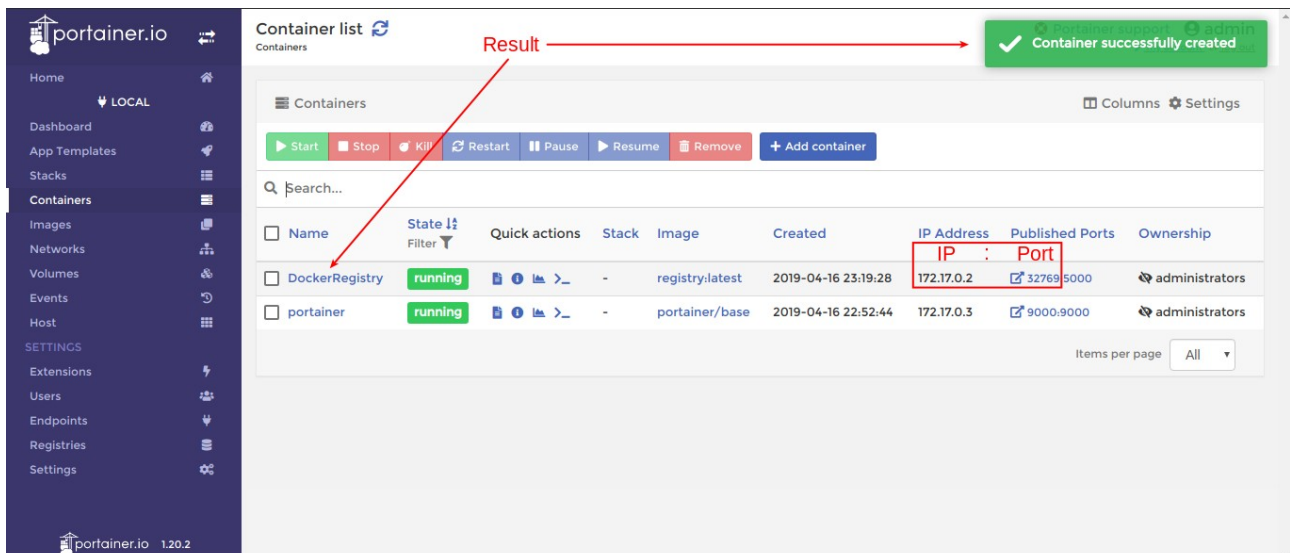
*Selecting the Registry app template*

- **Step 2:** Fill in a name for your registry, and click deploy.



*Naming and deploying the registry*

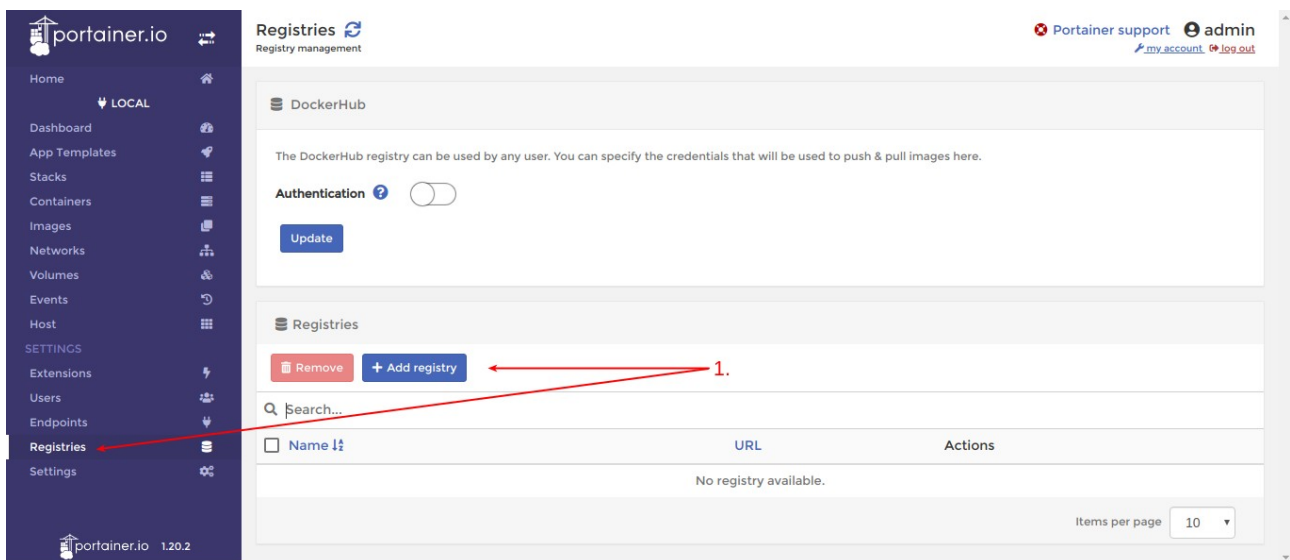
**Result:** You should see a green confirmation message appear in the top right of the screen if the registry was successfully deployed. You should also now see your registry container within the containers list. **Note:** Take note of the IP and Port of the container as you will need it later.



*Registry container successfully created*

## Adding the registry to Portainer

- **Step 1:** Navigate to the Registries view and click on the Add registry button.



*Adding a registry from the Registries view*

- **Step 2:** Fill in a name for your registry then add in the **IP:Port** of your container that you noted down earlier.
- **Step 3:** Click the Add registry button.

**Create registry**  
Registries > Add registry

Registry provider

☐ Quay.io  
Quay container registry

☐ Azure  
Azure container registry

☒ Custom registry  
Define your own registry

**Important notice**  
Docker requires you to connect to a **secure** registry. You can find more information about how to connect to an insecure registry in the [Docker documentation](#).

**Custom registry details**

Name

Registry URL

Authentication ☐

**Actions**

*Adding your Docker registry into Portainer*

**Result:** You should see a green confirmation message appear in the top right of the screen if the registry was successfully added into Portainer. You should also now see your registry within the registries list.

**Registries**  
Registry management

☒ Registry successfully created

**DockerHub**

The DockerHub registry can be used by any user. You can specify the credentials that will be used to push & pull images here.

Authentication ☐

**Registries**

Search...

<input type="checkbox"/>	Name	URL	Actions
<input type="checkbox"/>	DockerRegistry	172.17.0.2:32769	<a href="#">Manage access</a> <a href="#">Browse</a>

Items per page: 10

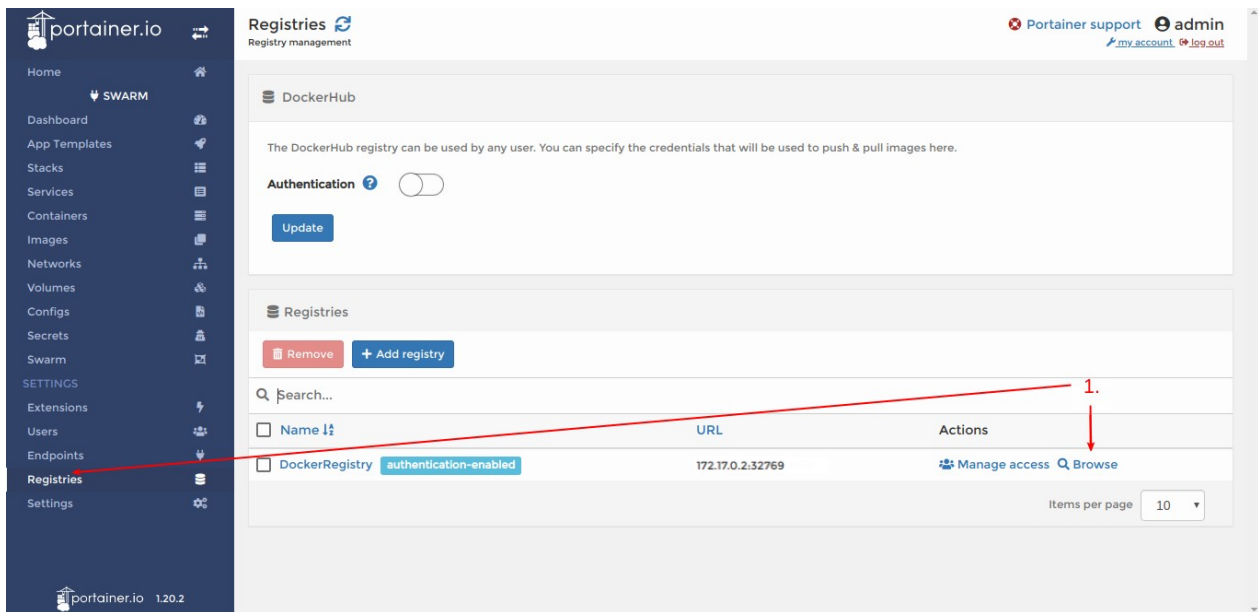
*Docker Registry successfully added into Portainer*

**Note:** By default, Docker blocks access to an insecure registry so you will need to edit your configuration to allow access. For information on how to achieve this you can refer to the official Docker documentation here: <https://docs.docker.com/registry/insecure/>

## Using the registry management extension

The registry management extension enables advanced registry management features from within Portainer and is used to browse a registry.

- **Step 1:** Once you have brought and enabled the Registry management extension, navigate to the Registries view and click on the Browse button for the registry you wish to browse.



*Browsing a registry from the Registries view*

**Note:** Docker refers to images as repositories within a registry. A repository stores the different versions of the image based on the tag they have.

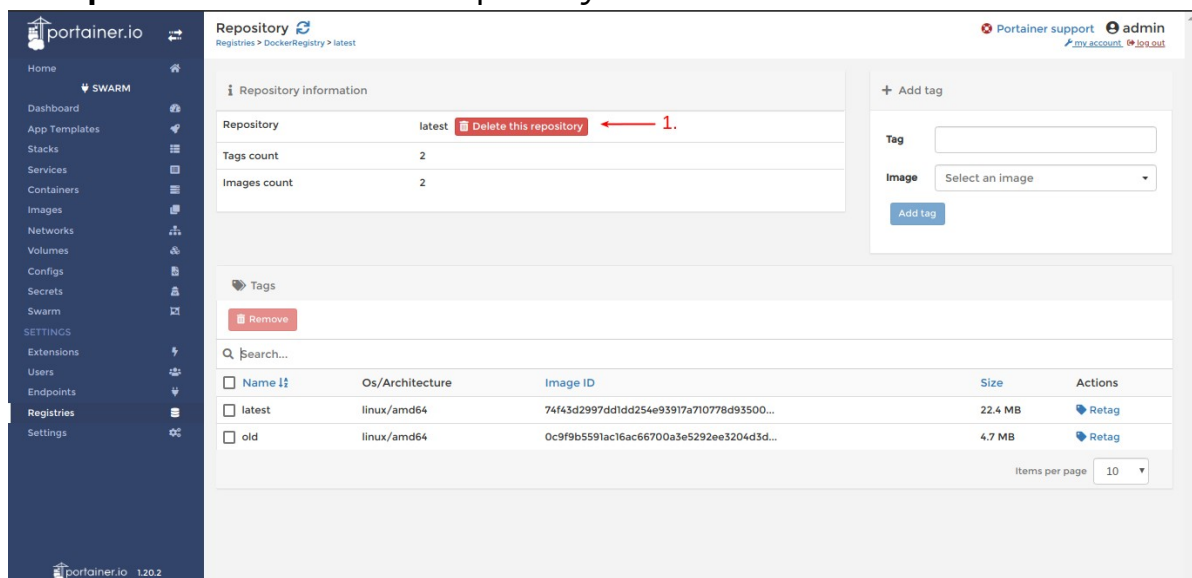
## Registry management view

Clicking on a repository will bring you to the Repository view. Here you can use the various features of the Registry Management extension including:

- Deleting the repository
- Adding a tag
- Removing a tag
- Renaming a tag

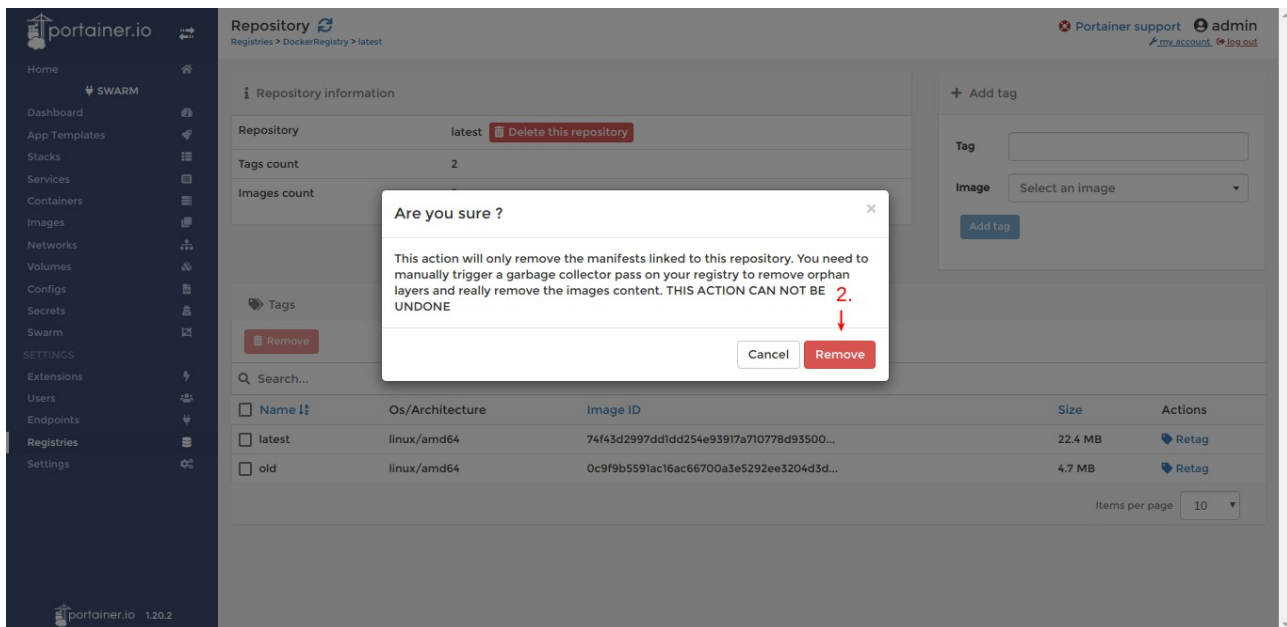
## Deleting a repository

- **Step 1:** Click the Delete this repository button.



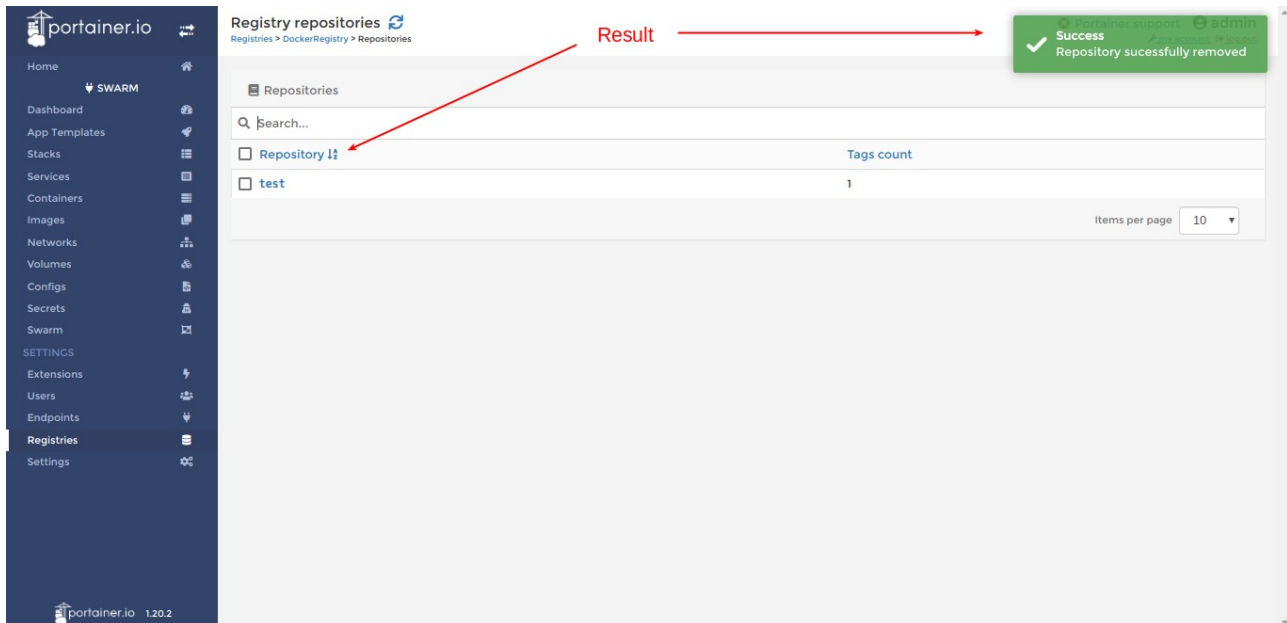
*Deleting an image repository within the Repository view*

- **Step 2:** You will be prompted to confirm deletion of the repository.



*Confirmation that you want to delete the repository*

**Result:** You should see a green confirmation message appear in the top right of the screen if the repository was successfully deleted. You should also now no longer see the repository in the repositories list.

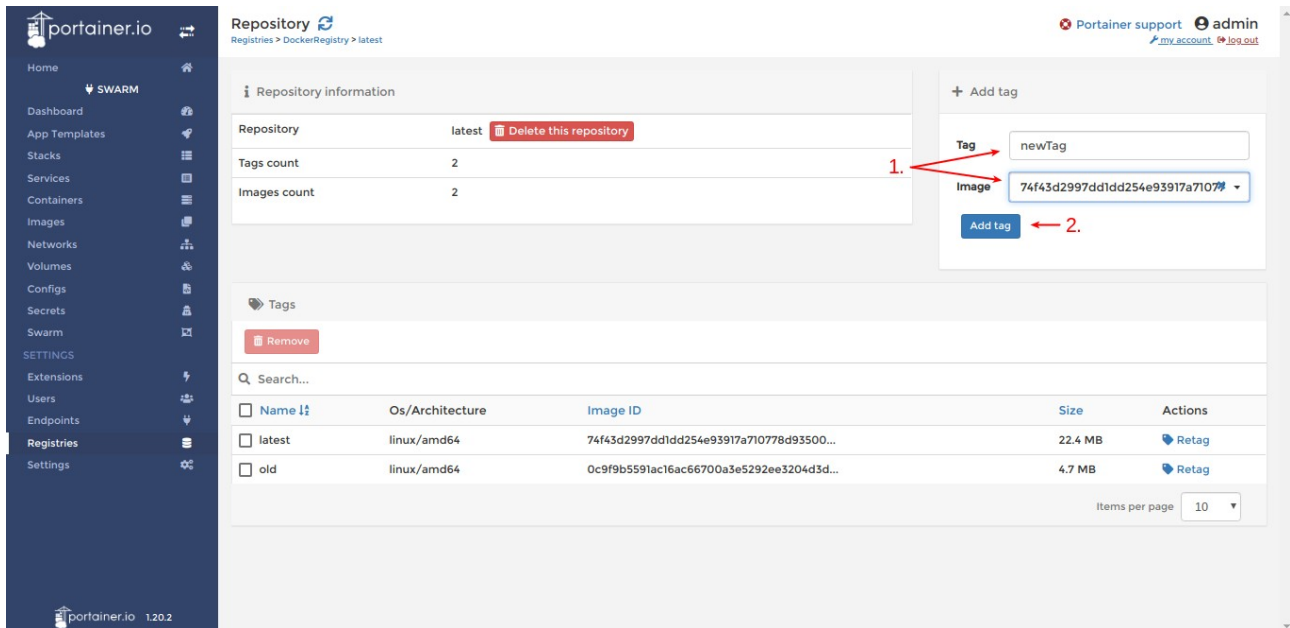


*Repository successfully deleted*

## Adding a Tag

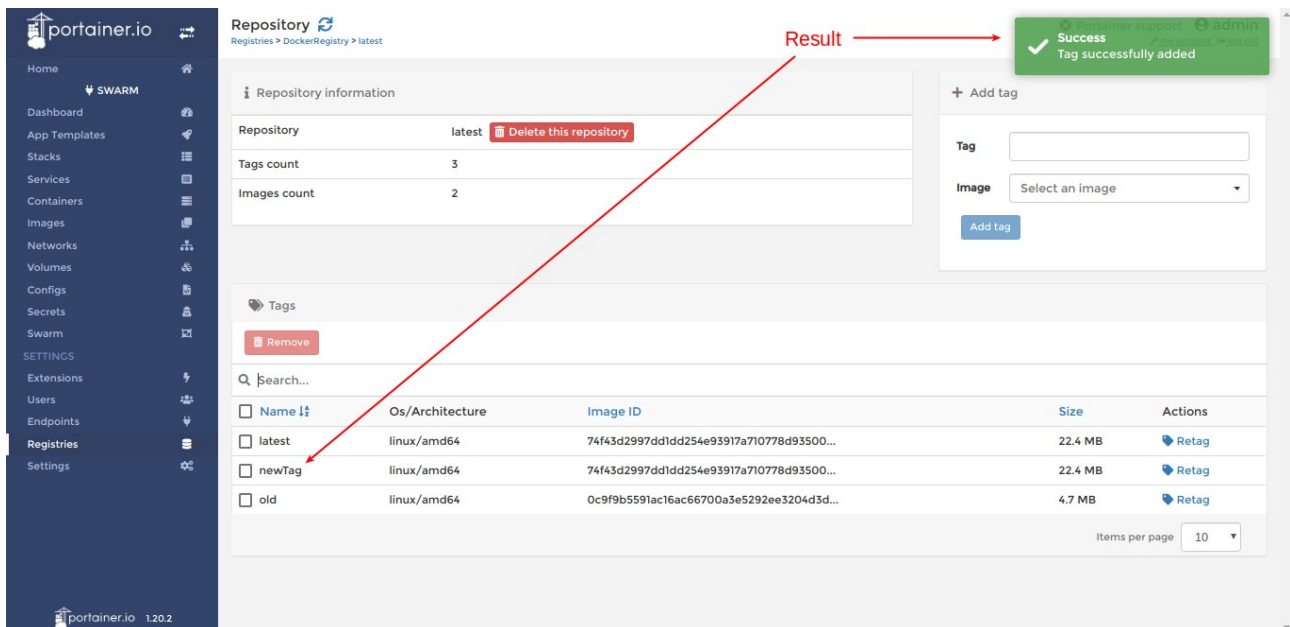
- **Step 1:** Enter a name for the tag and select the image you would like to tag from the drop down list.
- **Step 2:** Click the Add tag button.

**Note:** If an existing tag name is used to tag a different image, the image associated with the tag will be replaced with the specified one.



*Adding a tag to an image*

**Result:** You should see a green confirmation message appear in the top right of the screen if the tag was successfully added to the image. You should also now see the tagged image present in the Tags list.

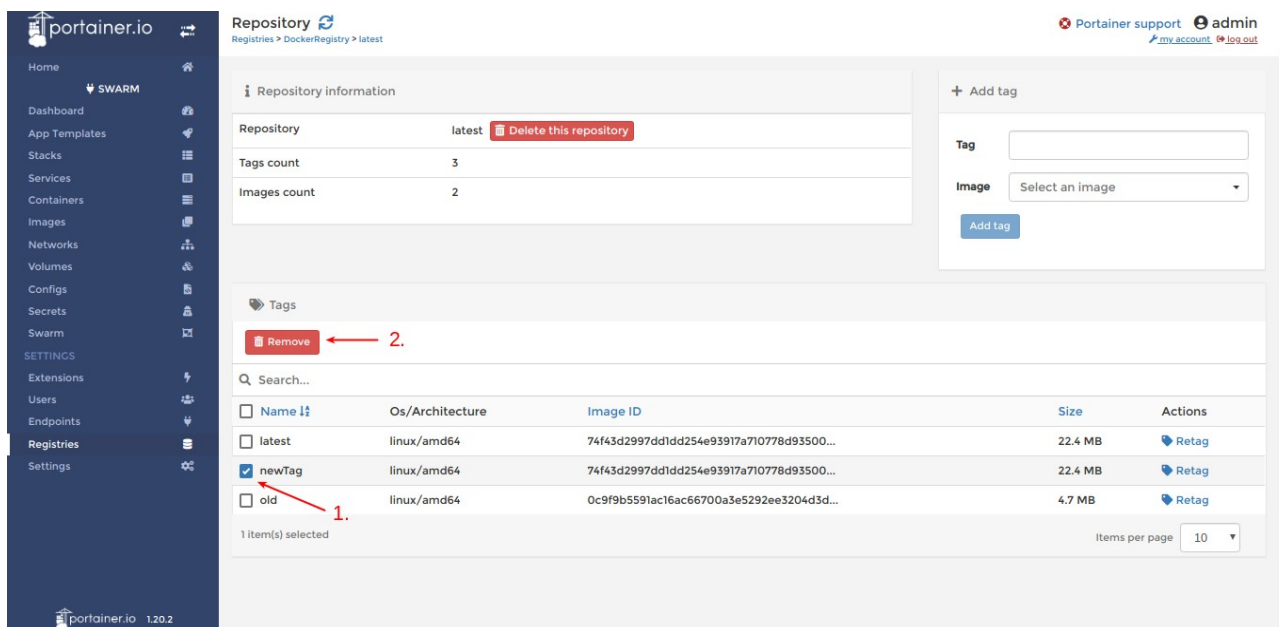


*Tag successfully added to specified image*

## Removing a tag

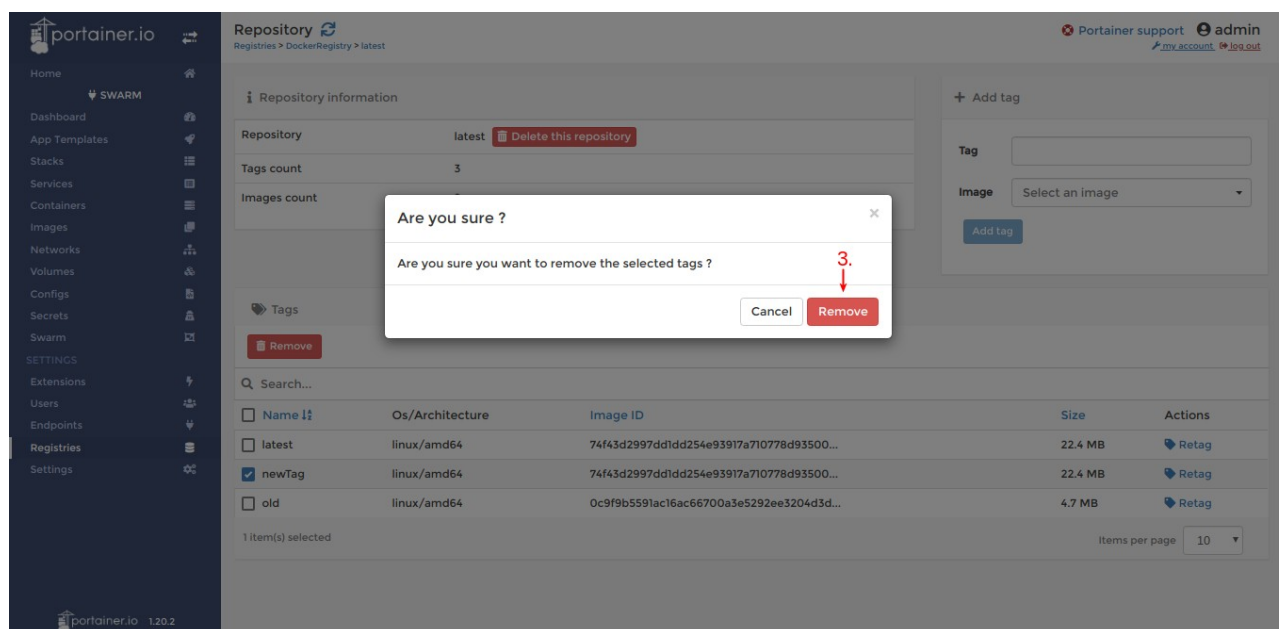
- **Step 1:** Click the checkbox beside the tags you would like to remove (you can click the top checkbox to select all).
- **Step 2:** Click the remove button to remove all selected images.





*Selecting tag to remove from image repository*

- **Step 3:** A prompt should appear asking if you are sure you want to remove the selected tags, click yes.



*Confirming choice to remove selected tag from the image repository*

**Result:** You should see a green confirmation message appear in the top right of the screen if the tag was successfully removed. You should now also see the tag is no longer present in the tags list.

The screenshot shows the Portainer.io interface. On the left is a dark blue sidebar with navigation links. The main area is titled 'Repository' and shows 'latest' as the selected repository. A red button labeled 'Delete this repository' is visible. A red arrow points from this button to a green success message in the top right corner that says 'Success Tags successfully deleted'. Below the repository information, there is a table of tags. The table has columns for Name, Os/Architecture, Image ID, Size, and Actions. The 'latest' tag is selected, and its 'Retag' button is highlighted. A red arrow points from the 'Retag' button to the 'Delete this repository' button.

Name	Os/Architecture	Image ID	Size	Actions
latest	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
old	linux/amd64	0c9f9b5591ac16ac66700a3e5292ee3204d3d...	4.7 MB	Retag

*Tag successfully removed*

## Renaming a tag

- **Step 1:** Click the Retag action button for the image you would like to retag.

The screenshot shows the Portainer.io interface. The 'latest' repository is selected. The 'Tags' section shows a table with three tags: 'latest', 'newTag', and 'old'. The 'latest' tag is selected, and its 'Retag' button is highlighted. A red arrow points from the 'Retag' button to the 'newTag' tag. The 'newTag' tag is highlighted in blue. The 'Retag' button for the 'newTag' tag is also highlighted. A red arrow points from the 'Retag' button for the 'newTag' tag to the 'Retag' button for the 'latest' tag.

Name	Os/Architecture	Image ID	Size	Actions
latest	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
newTag	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
old	linux/amd64	0c9f9b5591ac16ac66700a3e5292ee3204d3d...	4.7 MB	Retag

*Retagging an image via the Tags section*

- **Step 2:** Within the text box that appears, enter the new name for the tag.
- **Step 3:** Click the tick to save the changes to the tag name.



Repository information

Repository	latest	Delete this repository
Tags count	3	
Images count	2	

Tags

Remove

Search...

Name	Os/Architecture	Image ID	Size	Actions
latest	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
newTag	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
old	linux/amd64	0c9f9b5591ac16ac66700a3e5292ee3204d3d...	4.7 MB	Retag

Items per page 10

*Entering and confirming the new name for the tag*

**Result:** You should see a green confirmation message appear in the top right of the screen if the tag was successfully renamed. You should now also see the updated image in the tags list with the new tag name.

Repository information

Repository	latest	Delete this repository
Tags count	3	
Images count	2	

Tags

Remove

Search...

Name	Os/Architecture	Image ID	Size	Actions
latest	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag
old	linux/amd64	0c9f9b5591ac16ac66700a3e5292ee3204d3d...	4.7 MB	Retag
renamedTag	linux/amd64	74f43d2997dd1dd254e93917a710778d93500...	22.4 MB	Retag

Items per page 10

Success  
Tag successfully modified

*Tag was successfully renamed*