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unraid gui vs docker-compose vs portainer



By SSMI

June 1, 2022 in Docker Engine

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SSMI

Posted June 1,
2022

I am thinking about rebuilding some of the docker infrastructure I have built up over the last 8 years. In looking at what I want to change I have come across a bit of a dilemma. Should I keep using the built-in docker management or change to something like docker-compose or portainer. I have what I see as a few pros and cons.

Unraid Built-In

- (pro) the availability of the community apps plugin
- (pro) the ability to easily get to the webui, console, or logs of a container
- (pro) docker-folders makes organizing easy
- (pro) ease of updates
- (cons) have to remember which containers start first

docker-compose

- (pro) the ability to quickly rebuild the setup with just a file
- (pro) the ability to use dependencies to adjust the autostart order
- (pro) appears like it shows up with the other dockers
- (cons) harder to access the webui, console, or logs of a container

portainer

- (pro) all the abilities of docker-compose with a nice ui

I don't think I want to add another UI so portainer is out unless it offers something more. All this leaves me more or less even between docker-compose and the unraid built-in. I really like the ability of the dependencies and the recovery if something happens to my server that docker-compose provides. However I use the webui button all the time and the logs in invaluable for troubleshooting.

Does any one here have any hands on experience to add that might sway this one way of the other? Is there a feature or complication not listed here worth knowing?

Quote



primeval_god

Posted June 2,
2022

Are you aware of this plugin?



Quote

9 months later...



hinton

Posted March 7,
2023

What did you end up deciding?

I use docker-compose everywhere else on my home network except Unraid, am starting to need to use docker-compose on Unraid, and am undecided whether to use Portainer or the Docker Compose plugin for it... The plugin seems a bit unwieldy so far, but I've only just started diving in.

Quote

10 months later...

**sir_storealot**

Posted January 23

On 3/7/2023 at 7:40 PM, hinton said:

What did you end up deciding?

I use docker-compose everywhere else on my home network except Unraid, am starting to need to use docker-compose on Unraid, and am undecided whether to use Portainer or the Docker Compose plugin for it... The plugin seems a bit unwieldy so far, but I've only just started diving in.

Same question 😊

Any update/experiences you guys can share?

Quote

2 weeks later...

**bagican**

Posted February 5

I am unable to make a decision either. Can you please provide an evaluation of the advantages and disadvantages of these different approaches? Thank you.

I'm familiar with Portainer (on my mini home-lab on Raspberry Pi 5 with DietPi)

Quote

1 month later...

**kcrossabo**

Posted March 28

On 6/1/2022 at 6:43 PM, SSMI said:

Unraid Built-In

- (pro) the availability of the community apps plugin
- (pro) the ability to easily get to the webui, console, or logs of a container
- (pro) docker-folders makes organizing easy
- (pro) ease of updates
- (cons) have to remember which containers start first

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So far I am at

Unraid Built-In

- (pro) the availability of the community apps plugin
- (pro) the ability to easily get to the webui, console, or logs of a container
- (pro) ease of updates
- (cons) rebuilding is a webgui
- (cons) Can not document / comment what I did and why

docker-compose

- never used

portainer

- (pro) the ability to quickly rebuild the setup with just a file
- (pro) available on all my docker platforms (Ubuntu, unRAID, NAS)
- (cons) harder to access the webui, console, or logs of a container from unRAID GUI
- (pro) ability to integrate into GitHub (I write the compose with MS Code, then git it to gthub) and do version control
- (pro) Easy to port and relaunch
- (pro) can document the code with remarks

Result:

They all play well, so, I use unRAID super cool, easy apps (docker) and one is Portainer CE, that hosts my complex Compose/STACKs

Now if there was a way to expose the webUI to unRAID for a container built by Portainer, that would ROCK, and I might eliminate my 'homer' launch page.

Quote



primeval_god

Posted March 28

On 3/28/2024 at 4:55 PM, kcrossabo said:

Now if there was a way to expose the webUI to unRAID for a container built by Portainer, that would ROCK, and I might eliminate my 'homer' launch page.



alucarddelta
a

Posted April 30

On 3/28/2024 at 7:47 PM, primeval_god said:

I think what you are looking for is the label "net.unraid.docker.webui". You can apply this label to a container created by Portainer (or any other container creation method) and set its value to the url of your container and unRAID will show a WebUi button for the container. There is also a "net.unraid.docker.icon" for setting an icon (url to the icon) and "net.unraid.docker.shell" for setting the shell option (bash for example).

Is there any documentation for these (plus any other) docker labels out side of forum posts?



Quote



primeval_god

Posted May 5

On 4/30/2024 at 11:21 PM, alucarddelta said:

Is there any documentation for these (plus any other) docker labels out side of forum posts?

Not that i am aware of. The icon, webui and shell are the only ones that I know of.

Quote

2 weeks later...



Lebowski89

Posted May 19

On 3/28/2024 at 7:47 PM, primeval_god said:

(it is possible to wipe the cached value but its not as simple as a page refresh).

I'm interested in this not as simple as a page refresh wipe. How do I go about it? 😊

Quote

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