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r/unRAID



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r/unRAID • 10 mo. ago

gjunk1e



## Docker network with same IP for all containers. Can it be done?

I've been using docker containers in unRAID for a long time. Usually, all containers have the same IP address as the host (bridge), and each one is reachable via their unique port. I recently decided to segment my network a bit and wanted to use separate IPs for the host and the containers. I created a VLAN in my Network Settings and assigned it the IP address I want to use. Then, I went to update each container Network Type to use my new VLAN. However, it seems to want a unique IP address for each container.

I'm not very familiar with how unRAID handles these things, so forgive my ignorance here. What I'm trying to achieve is basically the same functionality as when the Network Type is set to bridge, but with a custom IP in a separate VLAN. I was expecting to just be able to choose my VLAN as the network type and have the IP assigned to the IP I chose in Network Settings, and then each container continue to use its unique port. Is this possible? Thx.

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2

### 25 Comments



MERKR1 • 10mo ago

You need to have an additional NIC in the host. Then using docker to create a custom br1, for example.



3



gjunk1e OP • 10mo ago

Ah! that makes sense! thankfully I have multiple available ones on this server. Will try that. Thank you.



2

1 reply ▾



gjunk1e OP • 10mo ago

I tried this but couldn't get it to work. I added my network settings to the post.



1



SamSausages • 10mo ago

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vlan and what are you trying to accomplish?

If I'm just trying to isolate a container from my main LAN, I usually do that using custom docker networks and a proxy.

I have some containers I put on vlans. Where the vlan routes all WAN traffic through a VPN.

The way I access those type of containers is through a reverse proxy container, that connects using a custom docker network. This way the container is isolated in docker, but I can still get to it from my LAN using the proxy.

↑ 3



**gjunk1e** OP • 10mo ago

Yeah, that's a great question. Basically, some of the containers on this server need to be exposed to the internet. I have a DMZ that I'd like to use for those containers, but I don't want to have to manage individual IP addresses for each container. It sounds like if I add a NIC that is assigned to this DMZ and gets untagged traffic from this server, I should be able to assign a static IP address to that NIC within the DMZ, and containers using that network would all get the same IP address and be accessed by their unique ports.

↑ 2

1 reply ▾



**emb531** • 10mo ago

You shouldn't need a separate NIC, you can enable VLAN for your existing NIC and add the VLAN ID in Network Settings (have to stop Array), then enable the VLAN in Docker settings, then for each container change the network option to the new VLAN and assign the IP you want. Also make sure you have the VLAN tagged on the switch port unRAID is connected to.

↑ 1



**Xionous\_** • 10mo ago

This is not what OP wants. You're describing creating a second LAN network to give containers LAN IP addresses on a VLAN.

What OP wants is a network that's bound to a second NIC which is a Docker bridge network that has the LAN IP that all containers share.

↑ 3

15 replies ▾



**gjunk1e** OP • 10mo ago

This is what I have already. When I attempt to assign an IP for each container, it will not let me assign the same IP address to all of them.

↑ 2

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r/unRAID • 3 mo. ago

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r/unRAID • 9 mo. ago

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1 comment



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