

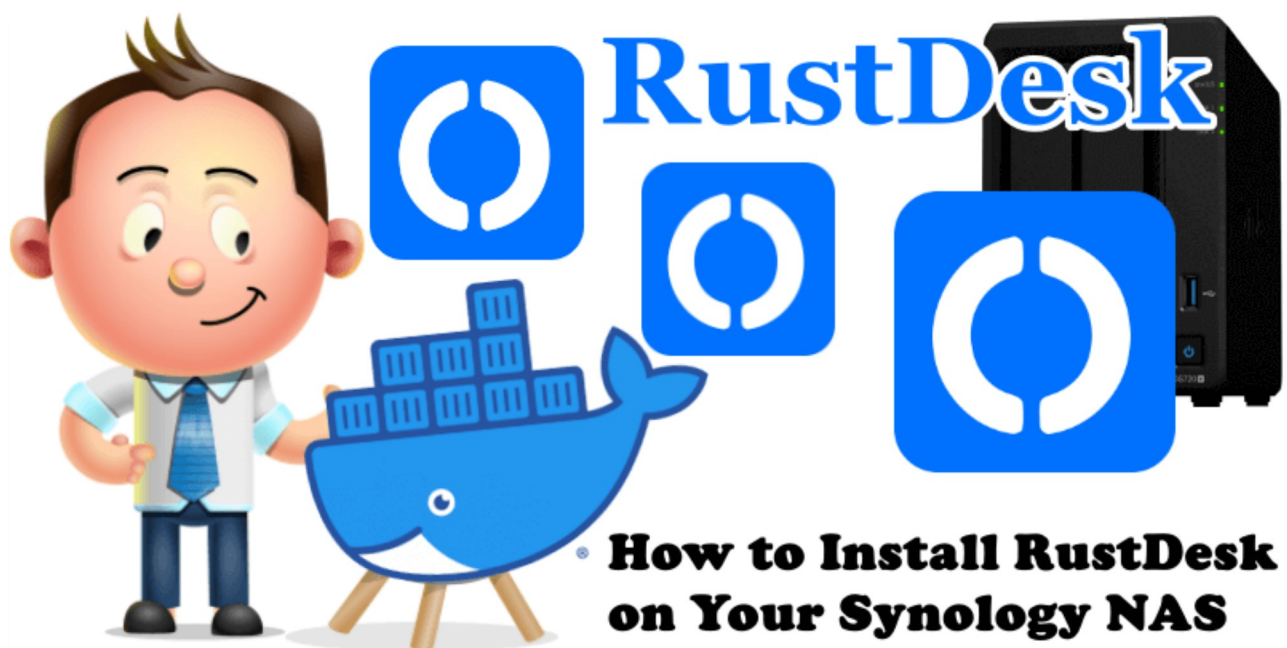


Menu

How to Install RustDesk on Your Synology NAS

15 June 2022

by **Marius Bogdan Lixandru**



RustDesk is a remote desktop software, the open source TeamViewer alternative, works out of the box, no configuration required. You have full control of your data, with no concerns about security. You can use a public rendezvous/relay server or self-hosting, or write your own server. In this step by step guide I will show you how to install **RustDesk** on your **Synology NAS** using Docker and Portainer.

Note: This guide works perfectly with
RustDesk 1.1.9 release.



DONATE

■ STEP 1

Please Support My work by Making a Donation.

■ STEP 2

Install [Portainer using my step by step guide](#). If you already have Portainer installed on your Synology NAS, skip this STEP. **Attention:** [Make sure you have installed the latest Portainer version](#).

■ STEP 3

Enable [synology.me DDNS](#). If you already have a synology.me DDNS, skip this STEP.

■ STEP 4

Log in to your router. Find the Port Forwarding area. At the moment I am using an [RT6600ax Synology router](#).


Remember that every router has its own interface design.

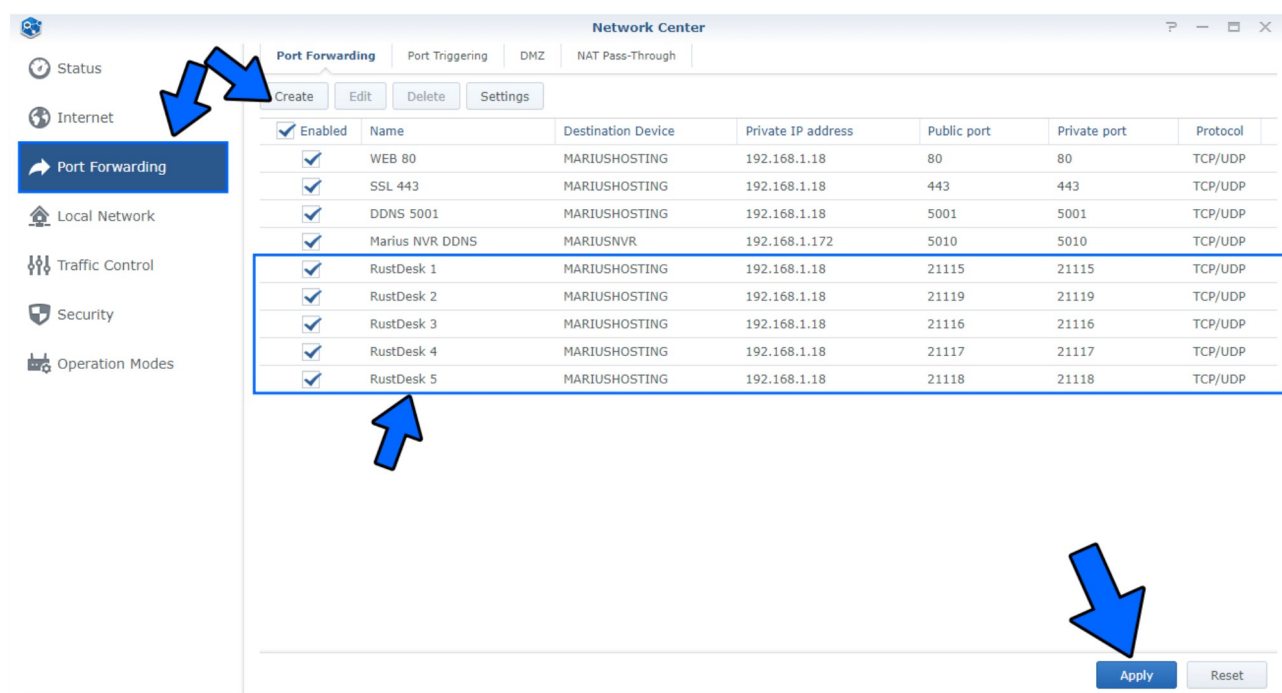
Be sure to open the necessary ports through your router

settings, both **TCP/UDP**. If the ports that point to your

Synology NAS device are not opened, all the services you

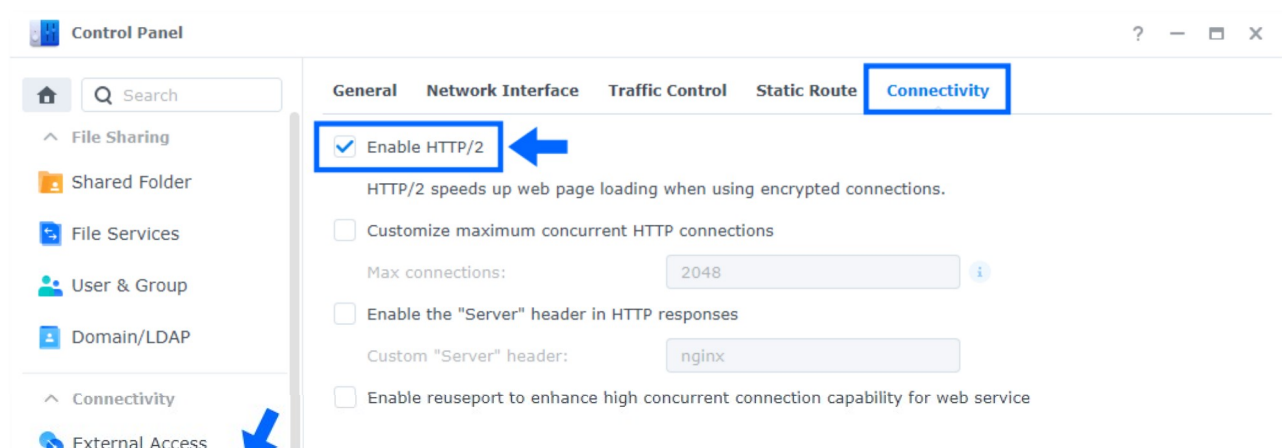
have activated on those specific ports will not work. All you

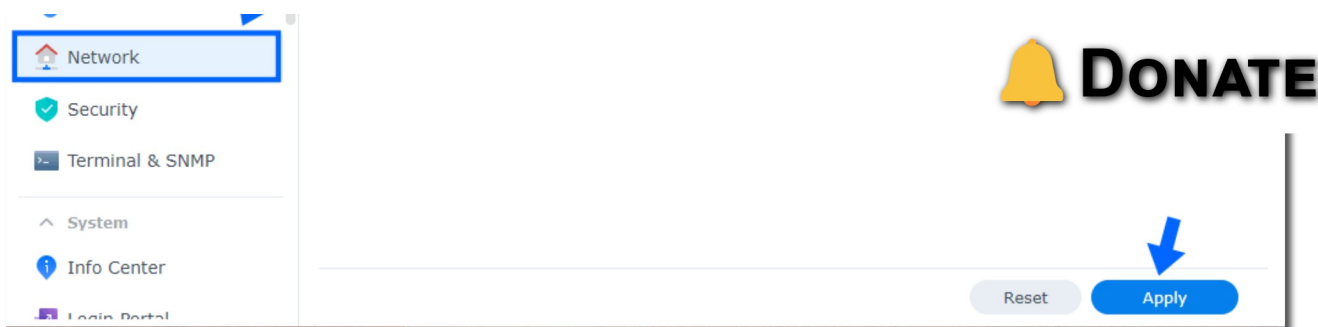
need to do is give your Synology device perm 
ports **21115, 21116, 21117, 21118, 21119**, bot.
UDP, then apply the settings. Follow the instructions in the
image below. **Note:** ports **21115, 21116, 21117, 21118,**
21119 are the essential ports to make RustDesk work.



■ STEP 5

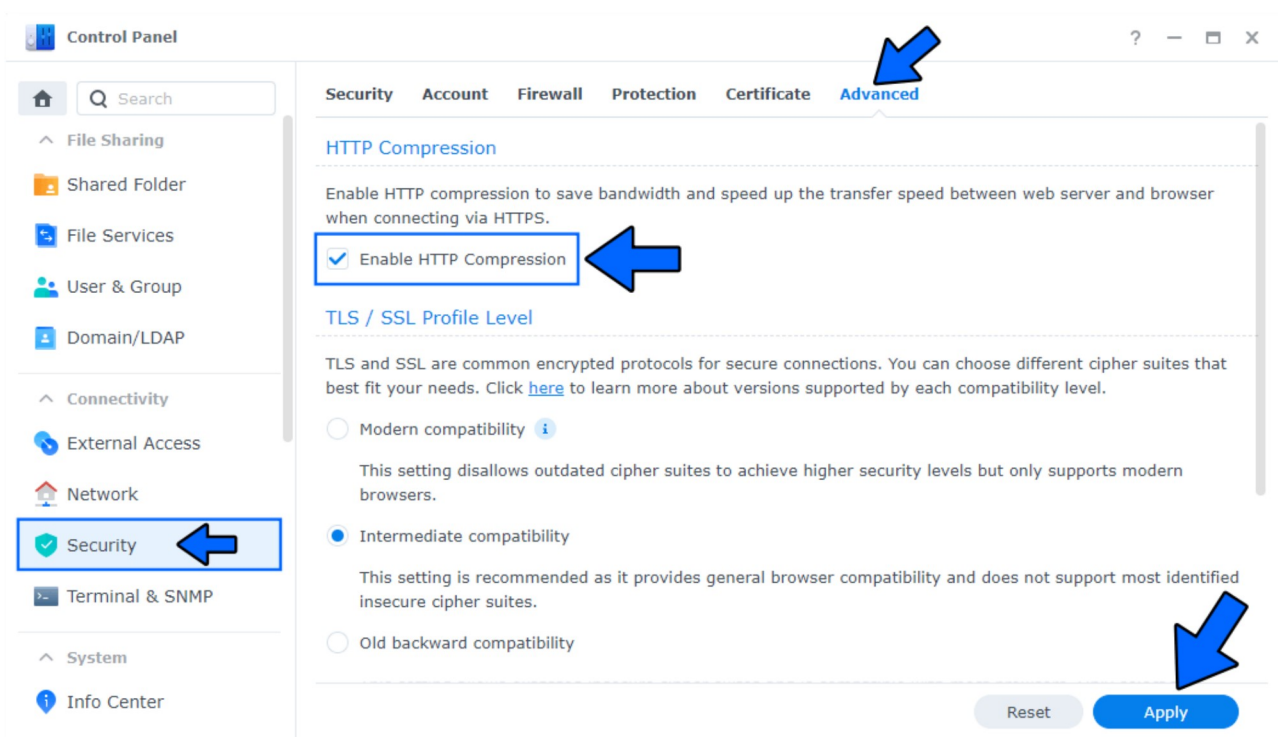
Go to **Control Panel / Network / Connectivity** tab/ Check **Enable HTTP/2** then click **Apply**. Follow the instructions in the image below.





■ STEP 6

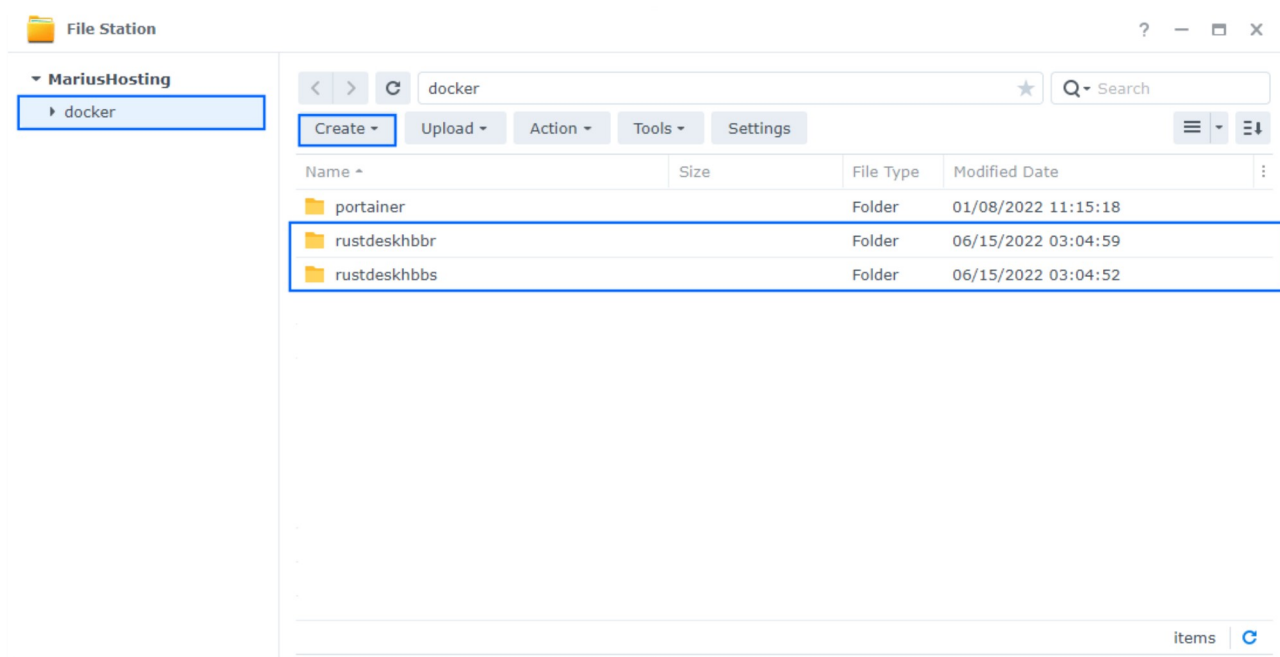
Go to **Control Panel / Security / Advanced** tab/ Check **Enable HTTP Compression** then click **Apply**. Follow the instructions in the image below.



■ STEP 7

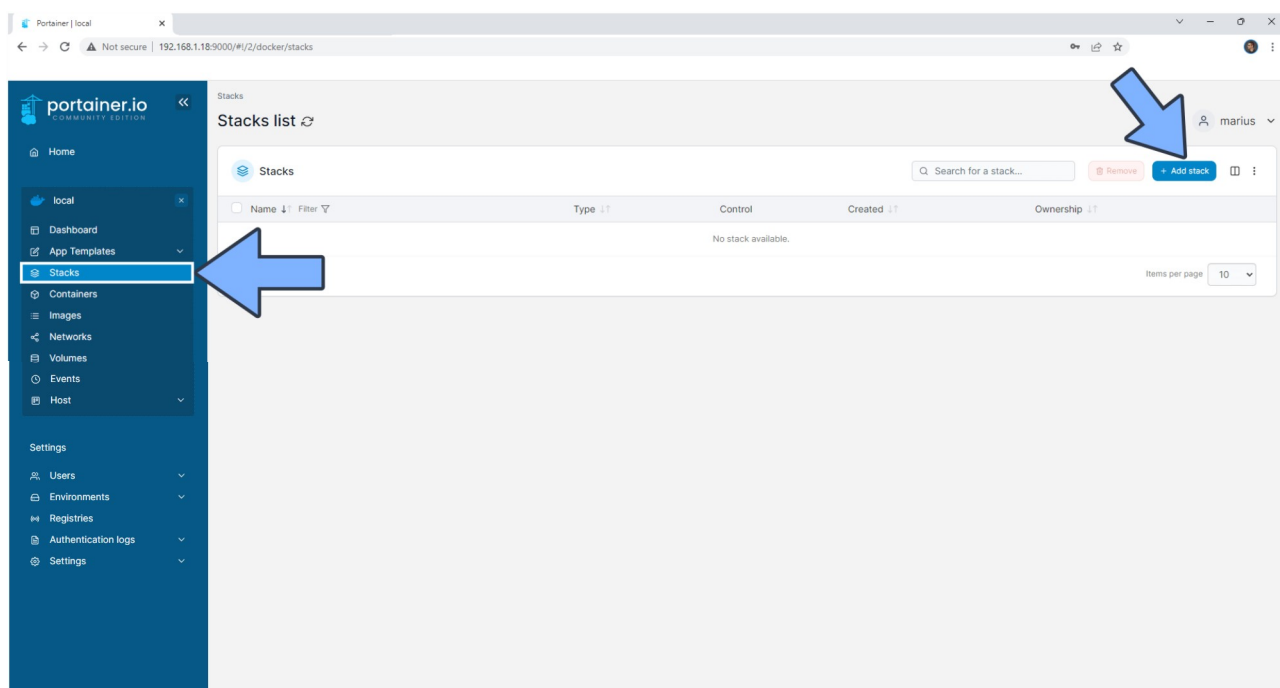
Go to **File Station** and open the docker folder. Inside the docker folder, create two new folder and name them **rustdeskhbbr** and **rustdeskhbbs**. Follow the instructions in the image below.

Note: Be careful to enter only lowercase, not letters.



■ STEP 8

Log into Portainer using your username and password. On the left sidebar in Portainer, click on **Stacks** then **+ Add stack**. Follow the instructions in the image below.





■ STEP 9

In the Name field type in **rustdesk**. Follow the instructions in the image below.

Note: Copy Paste the code below in the Portainer Stacks **Web editor**.

```
version: '3'

networks:
  rustdesk-net:
    external: false

services:
  hbbs:
    container_name: hbbs
    ports:
      - 21115:21115
      - 21116:21116
      - 21116:21116/udp
      - 21118:21118
    image: rustdesk/rustdesk-server
    command: hbbs -r yourname.synology.me:21117
    volumes:
      - /volume1/docker/rustdeskhbbs:/root
    networks:
      - rustdesk-net
    depends_on:
      - hbbr
    restart: always
```



hbbr:

container_name: hbbr

ports:

- 21117:21117

- 21119:21119

image: rustdesk/rustdesk-server

command: hbbr

volumes:

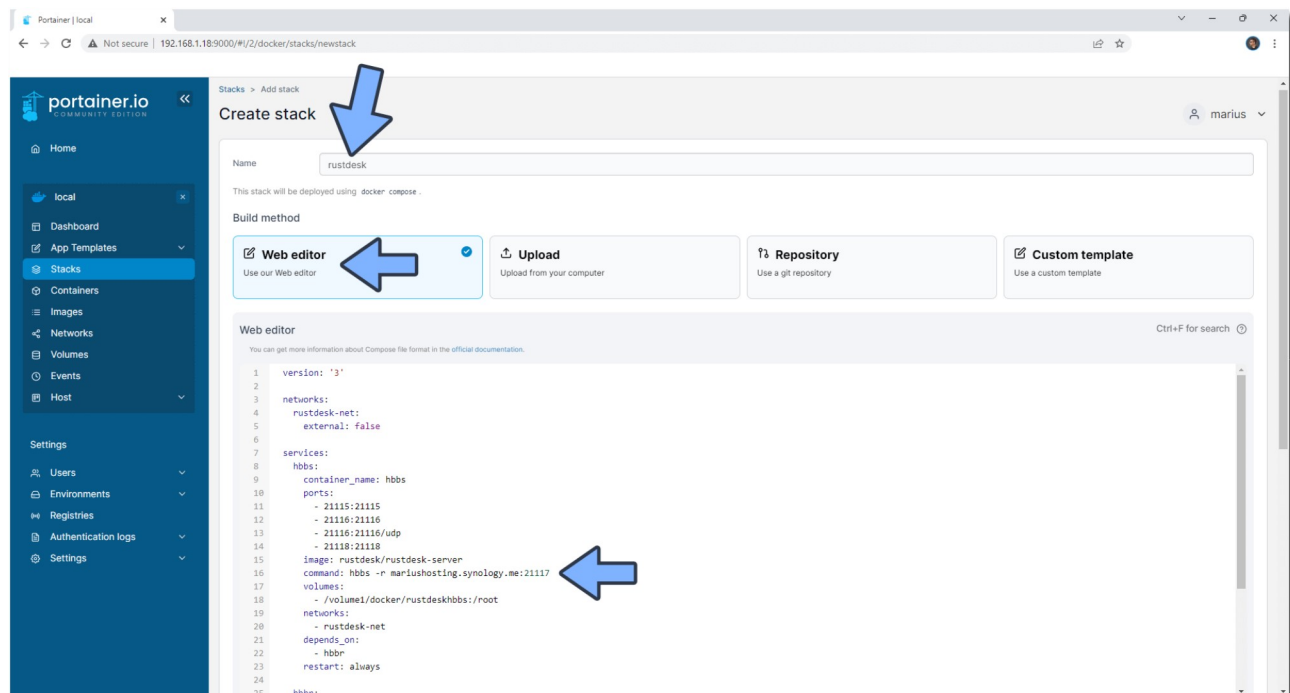
- /volume1/docker/rustdeskhbbr:/root

networks:


- rustdesk-net

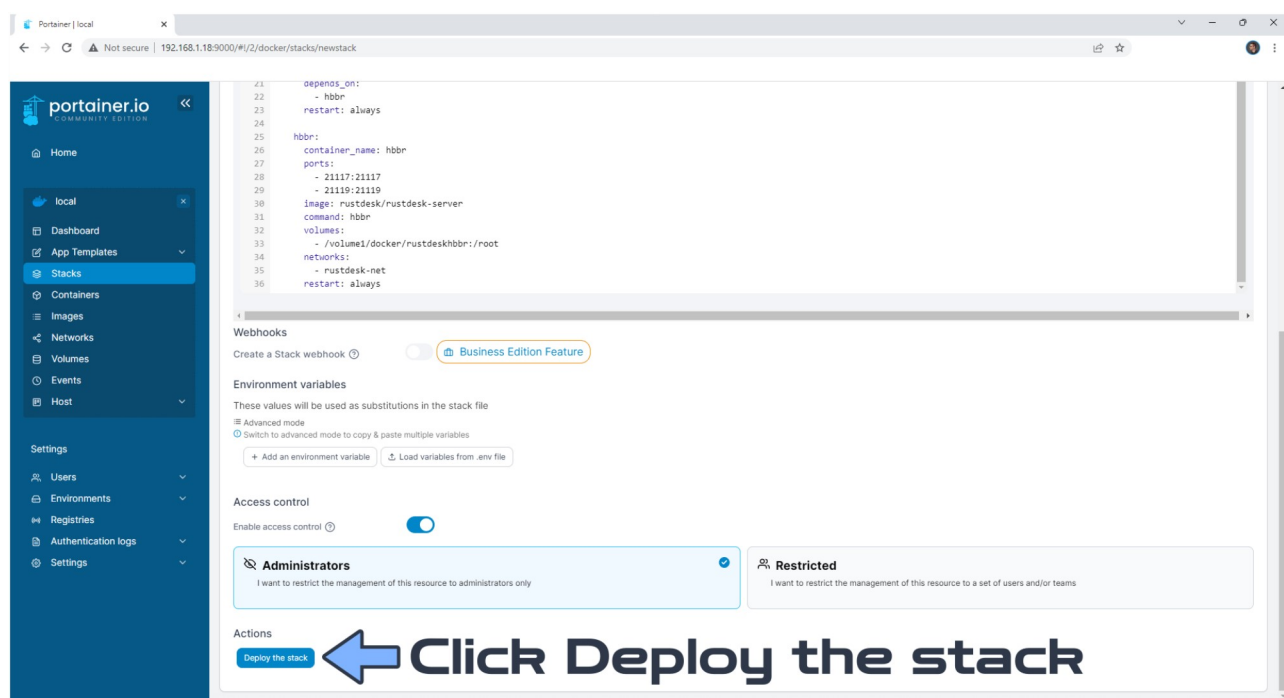
restart: always

Note: Before you paste the code above in the Web editor area, add your own synology.me DDNS that you have previously created at **STEP 3** followed by :21117



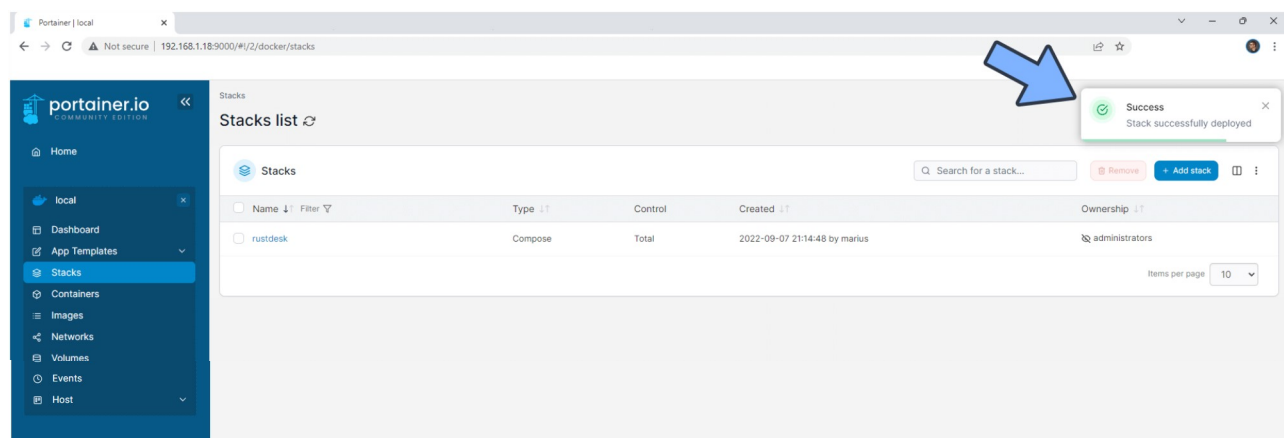
■ STEP 10

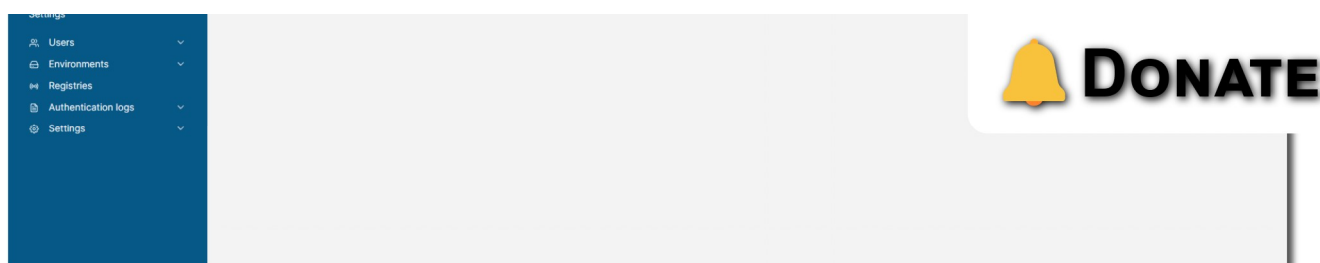
Scroll down on the page until you see a button  **DONATE** named **Deploy the stack**. Click on it. Follow the instructions in the image below. The installation process can take up to a few minutes. It will depend on your Internet speed connection.



■ STEP 11

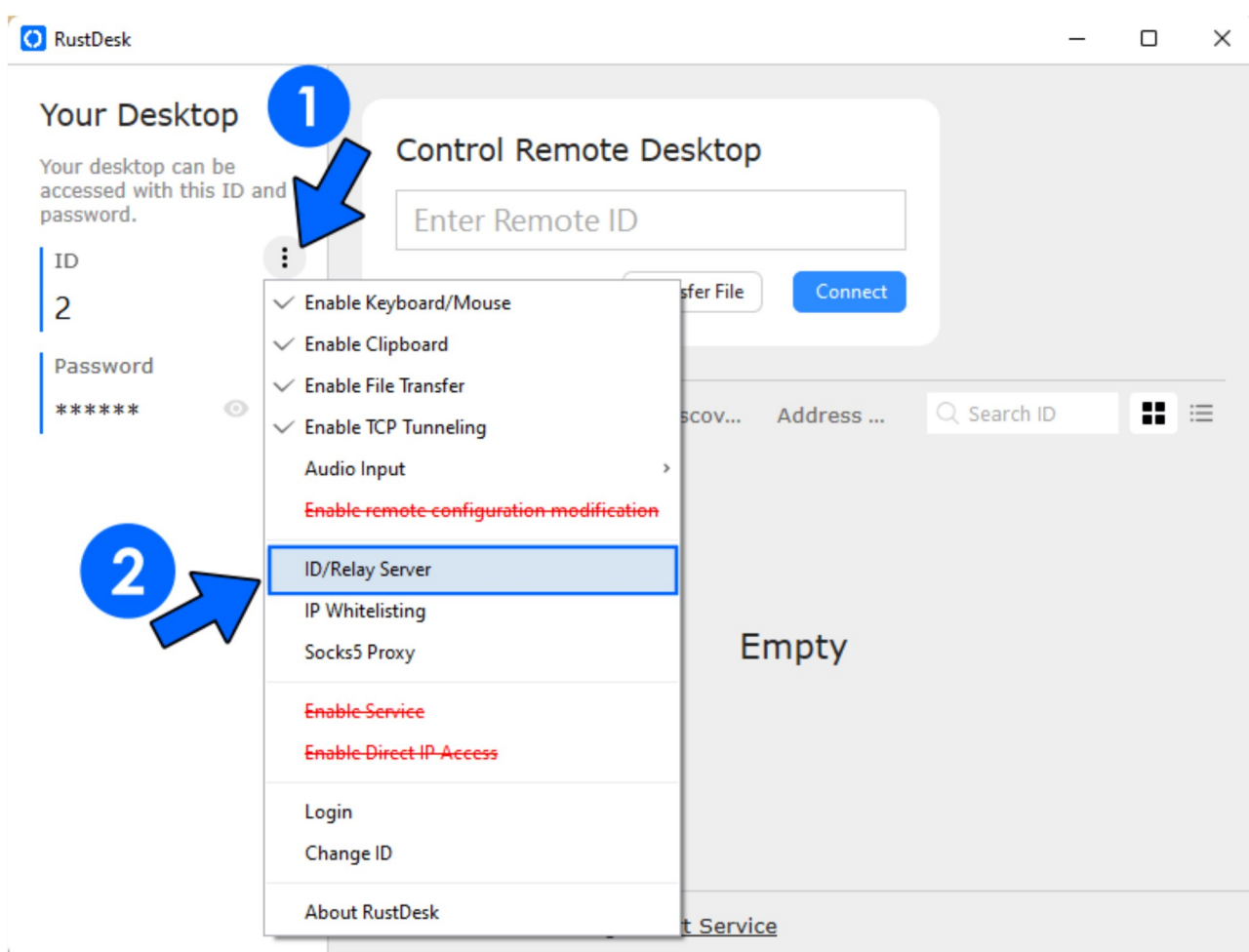
If everything goes right, you will see the following message at the top right of your screen: **“Success Stack successfully deployed”**.






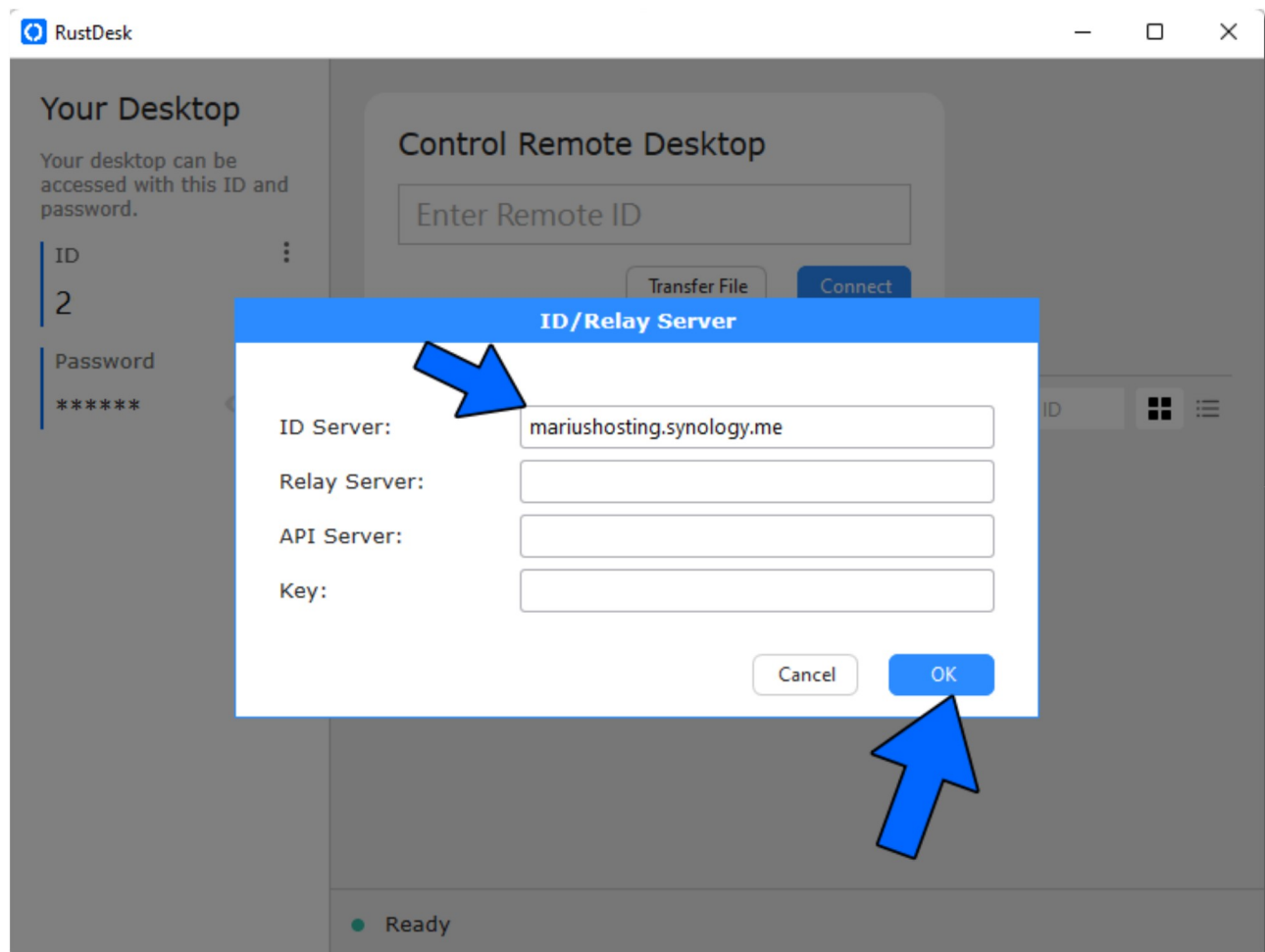
■ STEP 12

Download the RustDesk software for your computer from the [official RustDesk website](#). Once you have installed it, open it then click the 3 dots on the left sidebar. A dropdown menu will open. Click **ID/Relay Server**. Follow the instructions in the image below.



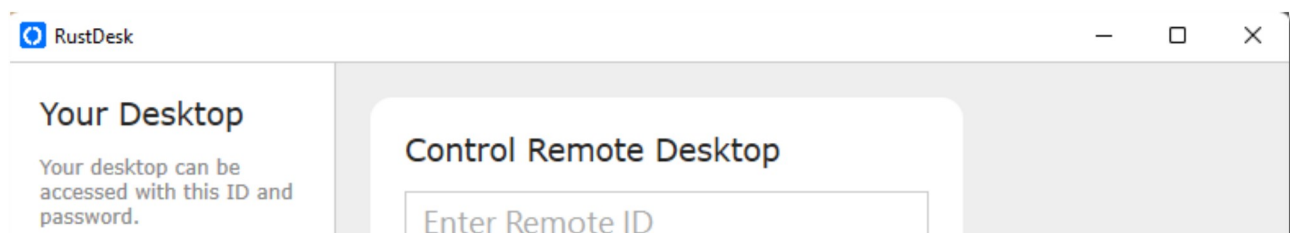
■ STEP 13

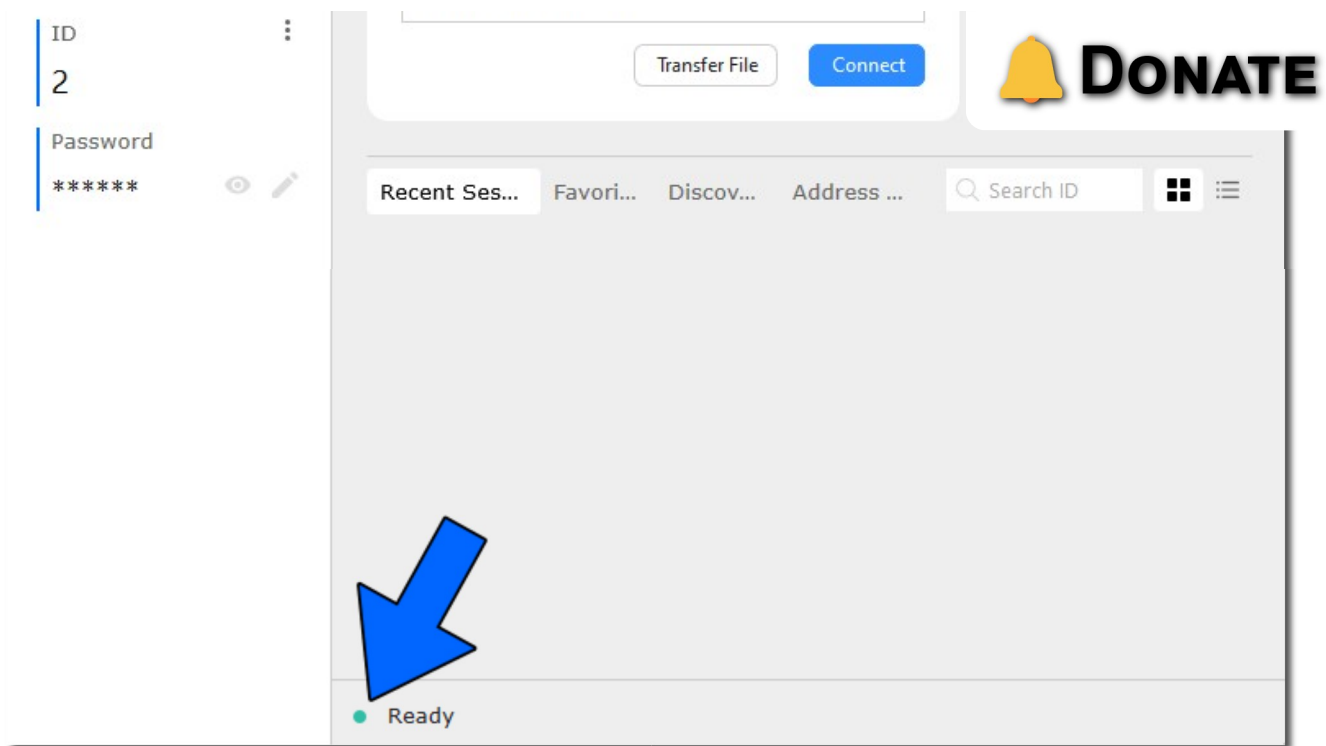
After you click ID/Relay Server at **STEP 12** a  **DONATE** window will open. On the ID Server area type **synology.me DDNS** that you have previously created at **STEP 3**. Click **OK**. Follow the instructions in the image below.



■ STEP 14

After you click OK at **STEP 13** you should see a “**Ready**” **green dot** statement in the RustDesk application.





Enjoy RustDesk!

Troubleshooting: Make sure [Rule 5](#) is correctly applied on your [Synology NAS Firewall configuration](#).

Note: Find out [how to update the RustDesk container](#) with the latest image.

Note: Can I run Docker on my Synology NAS? [See the supported models](#).

Note: [How to Free Disk Space on Your NAS if You Run Docker](#).

Note: [How to Schedule Start & Stop For Docker Containers](#).

Note: [How to Activate Email Notifications](#).

Note: [How to Add Access Control Profile on Your NAS](#).

Note: [How to Change Docker Containers Restart Policy](#).

Note: [How to Use Docker Containers With VPN](#).

Note: [Convert Docker Run Into Docker Compose](#)



DONATE

Note: [How to Clean Docker](#).

Note: [How to Clean Docker Automatically](#).

Note: [Best Practices When Using Docker and DDNS](#).

Note: [Some Docker Containers Need WebSocket](#).

This post was updated on Friday / December 30th, 2022 at 9:43 AM

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Marius Bogdan Lixandru

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