

Visit the project here: niklasholtlau.web.app/R.html

Go ahead and visit my github, linked in or my portfolio website, which contains a lot more about who i am, and my other projects



nikholt1



Niklas Holt Läu



Portfolio Website



UserName



UserName

Add new user

Manage Users



Refract

Welcome to Refract, here you can stream any of your videos on any device on the same Wi-Fi.

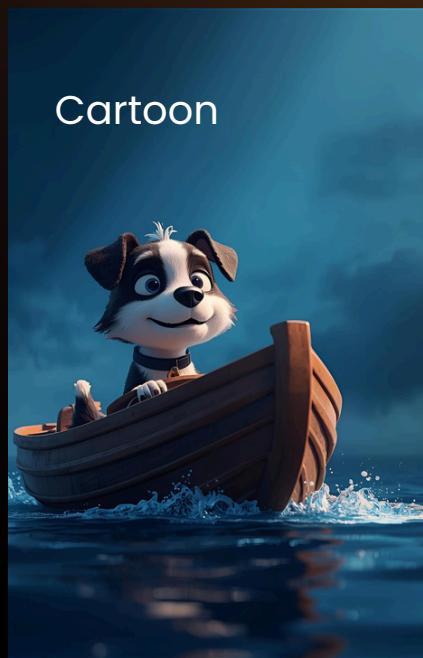
We are currently working on utilizing OpenVPN, to allow you to stream from your home computer, to designated devices anywhere in the world.

Categories

Sport



Cartoon



Sci-Fi



Reality



Romance



Thriller



Recently Watched





The Future Stays Local

On refract you are the master of your content.

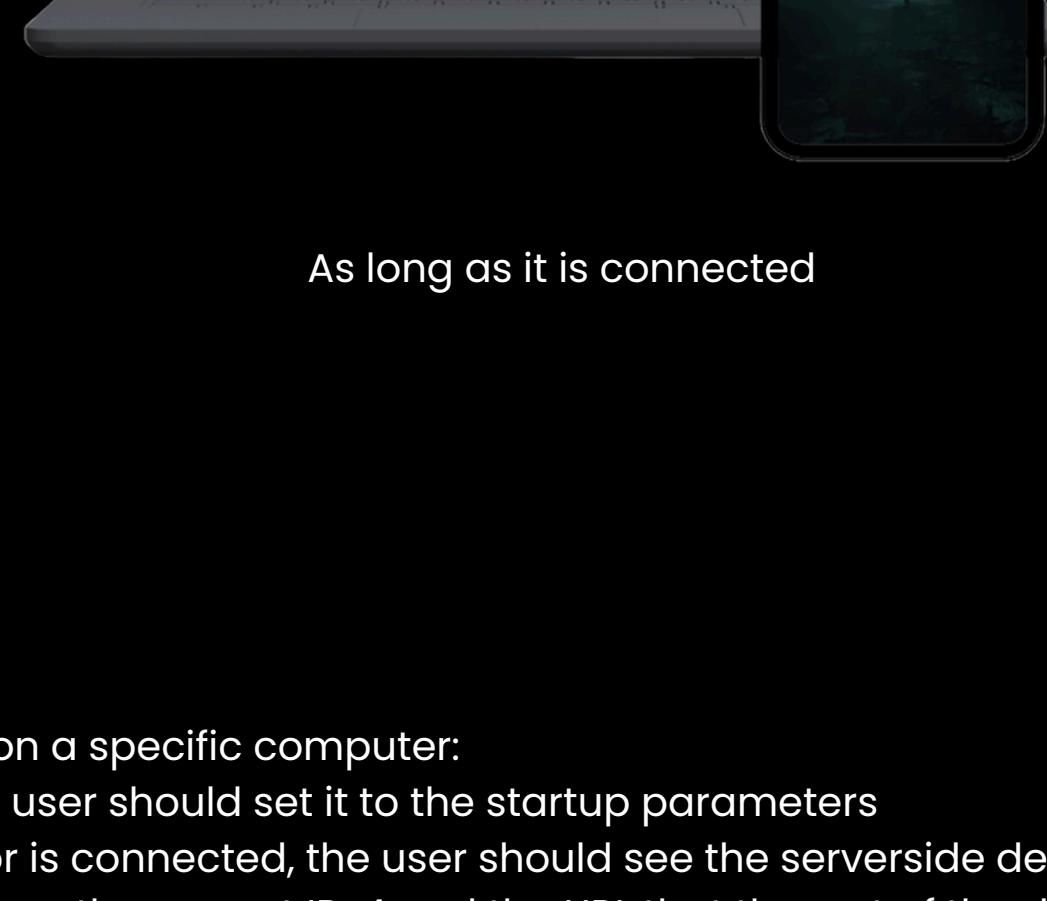
Here in the settings menu

you can manage the folder where your videos are placed, you have the opportunity to direct the system to find other folders that are customized by different people.

Changing the username of the current user can also be done in here.

Otherwise you can read about the setup of the system and the disclaimers of the application.

Watch on any device



As long as it is connected

The system setup

Hello username

This is how it worksStarting the server on a specific computer:

1. When the program is installed, the user should set it to the startup parameters
2. In the startup program, if a monitor is connected, the user should see the serverside desktop application
3. In the application the user should see the current IPv4 and the URL that the rest of the devices should connect to
4. In the desktop application the user should be able to specify the path to the videos they prefer

The user should also be able to specify the path in the browser at the given URL under /videos/settings

How the browser works1. The browser takes the specified path and looks for all folders and videos categorized in those folders

1. Refract supplies a "generate folders" in the desktop application within the specified folder with categories and pictures for them
2. If the user wishes to make their own categories (folder) they can do so in the specified folder
3. Subcategories or series seasons etc. can be specified as the user wishes by configuring a folder path as they please

Settings menu1. The user is able to change the folder path at the top of the settings page

1. The program should check for secure folders, to protect the host computers vital folders
2. The user should also be able to change the username for the account

Streaming to AppleTV1. On the phone or device they are using, the user opens the video they wish to stream

1. In the top of the video the user should see a streaming button
2. After clicking the streaming button the user selects the device they want to stream to
3. After the user has selected the device they wish to stream to, the video should appear on the selected device and start streaming

Streaming to Chromecast1. On the phone or device they are using the user opens the video they wish to stream

1. In the top of the video the user should see a streaming button
2. After clicking the streaming button the user selects the device they want to stream to
3. After the user has selected the device they wish to stream to, the video should appear on the selected device and start streaming

Disclaimer and licenses

Help

End user test most frequently asked questions

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nikholt



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Portfolio Website

[Change profile](#)
[Manage Users](#)
[Add new user](#)
[Browser](#)
[Settings](#)
[Log out](#)



UserName1



UserName2

[Add new user](#)

[Manage Users](#)

Manage your users MainUser

Change username for MainUser

New Username

Change password for MainUser

Old password

New password

Retype new password

Changing the username or password is permanent

Mange your profiles



Username1

Delete



Username2

Delete

Deleting users is permanent, and removes all data of the specific user.

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REDIR

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Portfolio Website

Add new profile

Username

New Username

Profile image

GirlCatimg.jpg



BoyAndBear.jpg



GirlOnDragon.jpg

Upload

The best format for uploading images is jpg
If the image is .png or something else, this could be
done by renaming the image to
"whatyouwantittobe.jpg"

Save

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nikholtl



Niklas Holt Läu



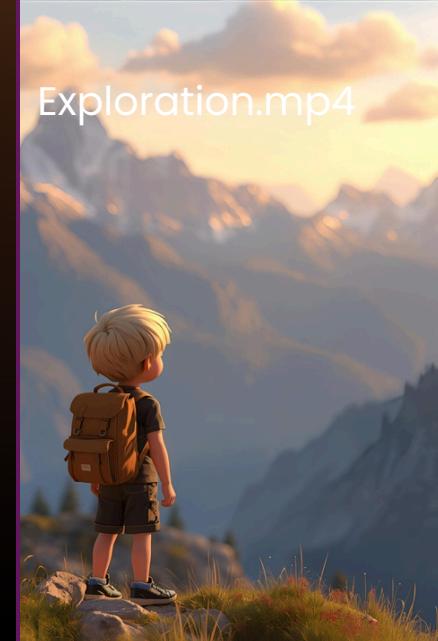
Portfolio Website



Cartoon



Movies



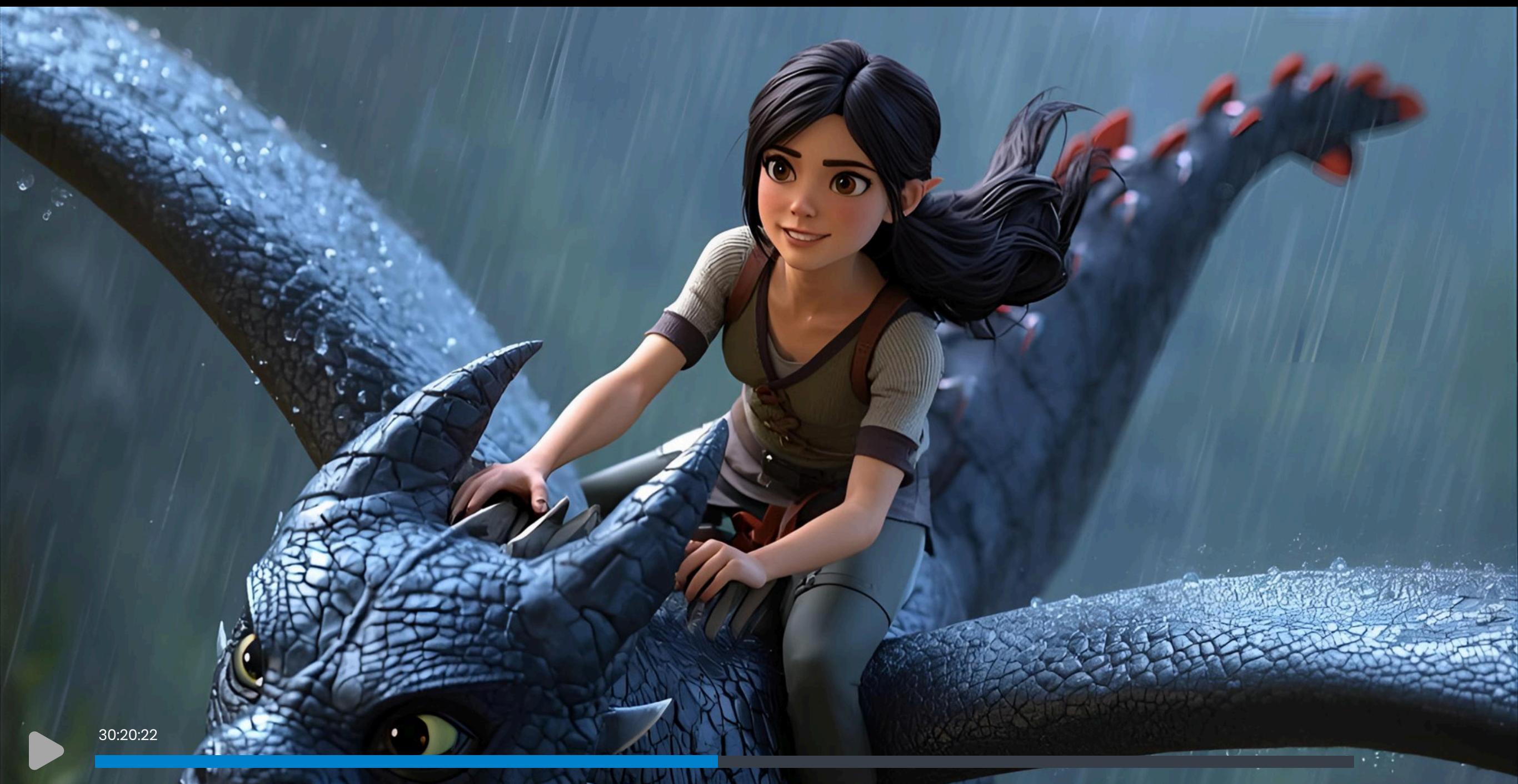
Series



Settings

Search

Help



30:20:22



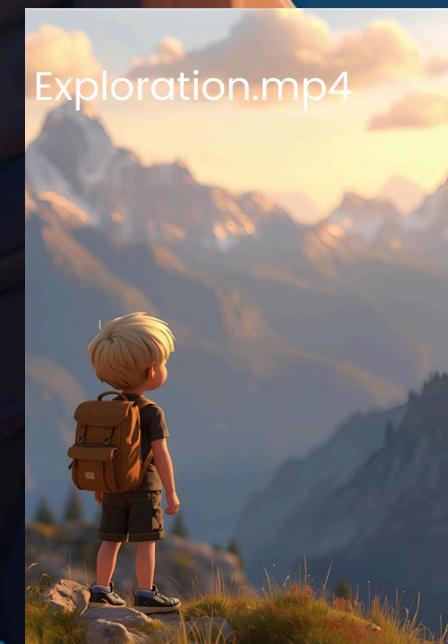
What do you think about DogInBoat.mp4

5 Likes

Leave a like so other profiles can see what you think
about this video.



Watch next?



Exploration.mp4



TheEnd.mp4