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# "SCREEN RECORDING" WHEN "MEDIA CAPTURE" IS BLOCKED

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# SUMMARY

Most of the not-free video streaming services block your ability to use software to capture them at the "network stack". In order to "borrow" to copy for "time shifting" or "fair use", you then have to use software to do "screen recording" at the "Graphics Device Interface" of your computer's operating system.

# TOPICS

- Two Ways To Record Streaming Media
- Web Sites That Block "Media Capture"
- "Netflix" Blocks "Media Capture"

# TWO WAYS TO RECORD STREAMING MEDIA

- Method 1 = **MEDIA CAPTURE**:  
Use a software program to capture the media stream at the network stack
- Method 2 = **SCREEN RECORDING**:  
Use a software program to capture the media stream at the Graphics Device Interface (GDI)

- From the point of view of the generic terminology of the computer industry:



Web server

to

your computer's network adapter

to **METHOD 1="MEDIA CAPTURE"**

network stack (drivers and software)

to

Web browser (Chrome, Firefox, Edge)

to **METHOD 2="SCREEN RECORDING"**

"Graphics Device Interface" ("GDI")

to

Web browser as video or audio

- From the point of view of Applian's "Replay Capture Suite":





Web server

to

your computer's network adapter

to **METHOD 1 "REPLAY MEDIA CATCHER"**

network stack (drivers and software)

to

Web browser (Chrome, Firefox, Edge)

to **METHOD 2 "REPLAY VIDEO CAPTURE"**

"Graphics Device Interface" ("GDI")

to

Web browser as video or audio

# WEB SITES THAT BLOCK "MEDIA CAPTURE"

- The more sophisticated streaming media services such as Netflix, Hulu, and Amazon Prime block "media capture" by Web server tricks such as encrypting the media chunks that they send to your Web browser

# WEB SITES THAT BLOCK "MEDIA CAPTURE (continued)

- When a Web site blocks "media capture" using Web server tricks, you can still do "screen recording" to make a copy of whatever media you are viewing

# "NETFLIX" BLOCKS "MEDIA CAPTURE"

- An example of a streaming video from inside any paid (or trial) Netflix account at <https://www.netflix.com>



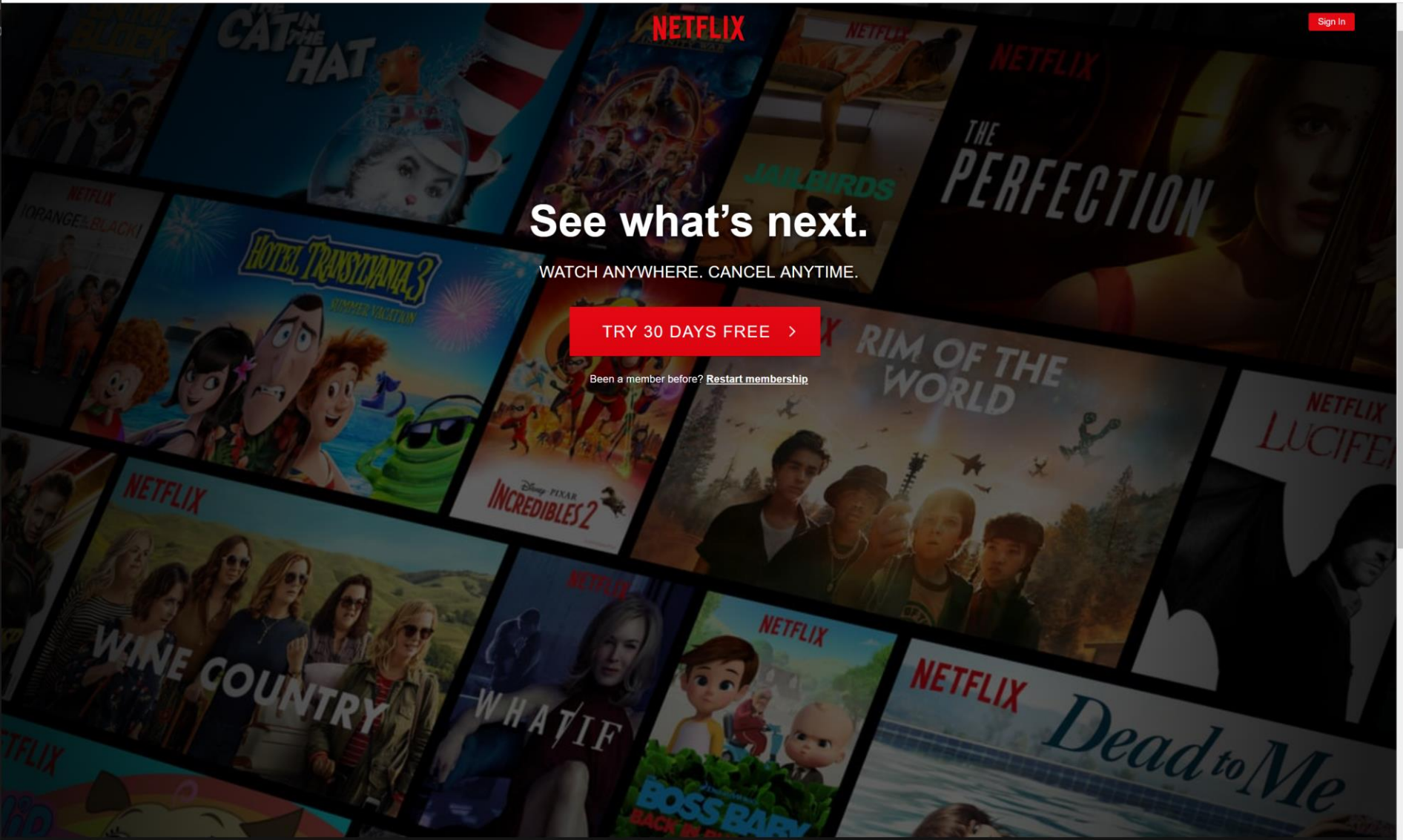
Sign In

# See what's next.

WATCH ANYWHERE. CANCEL ANYTIME.

TRY 30 DAYS FREE >

Been a member before? [Restart membership](#)



No commitments



Watch anywhere



Pick your price



Sign In

# See what's next.

WATCH ANYWHERE. CANCEL ANYTIME.

TRY 30 DAYS FREE >

Been a member before? [Restart membership](#)



No commitments

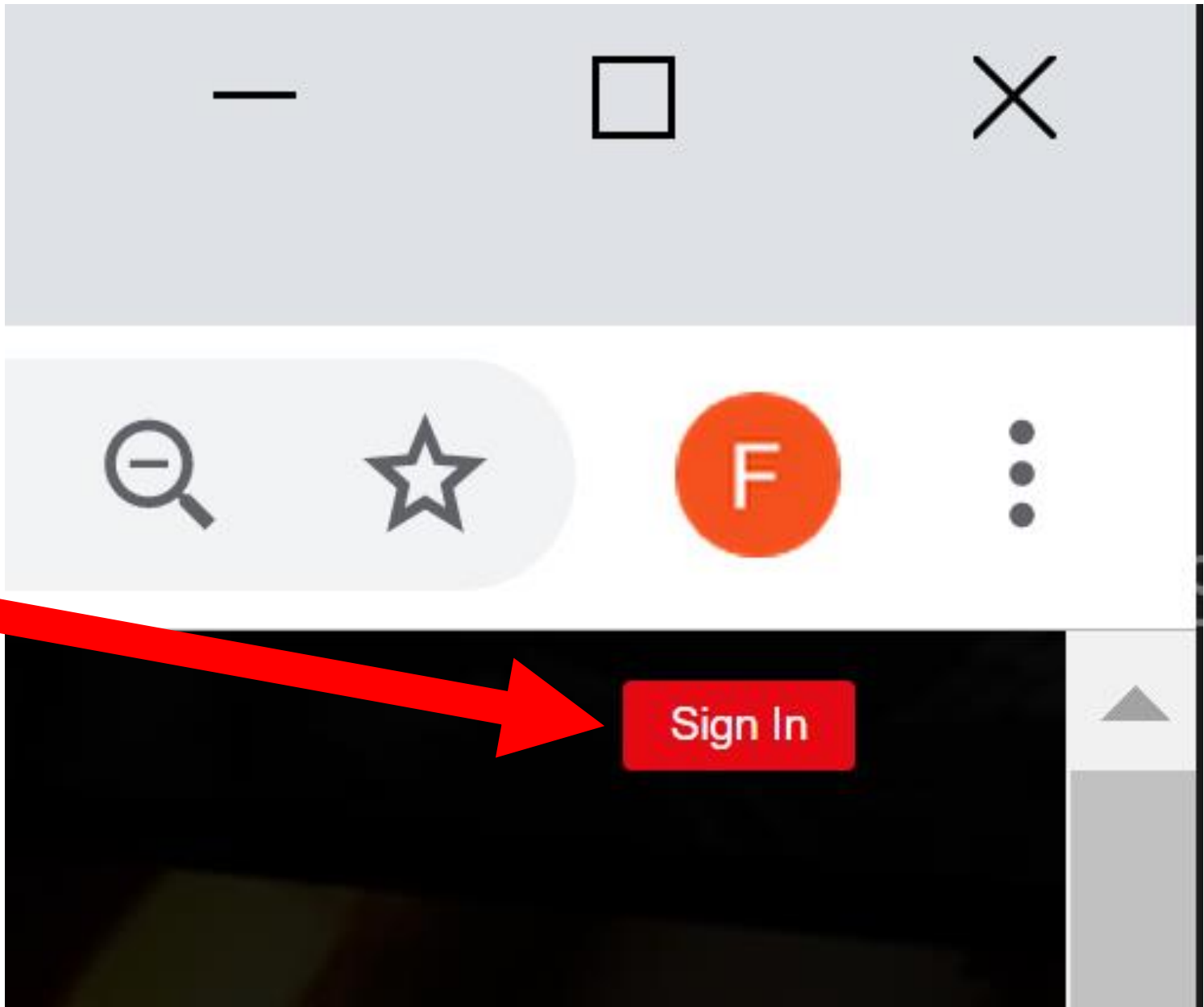


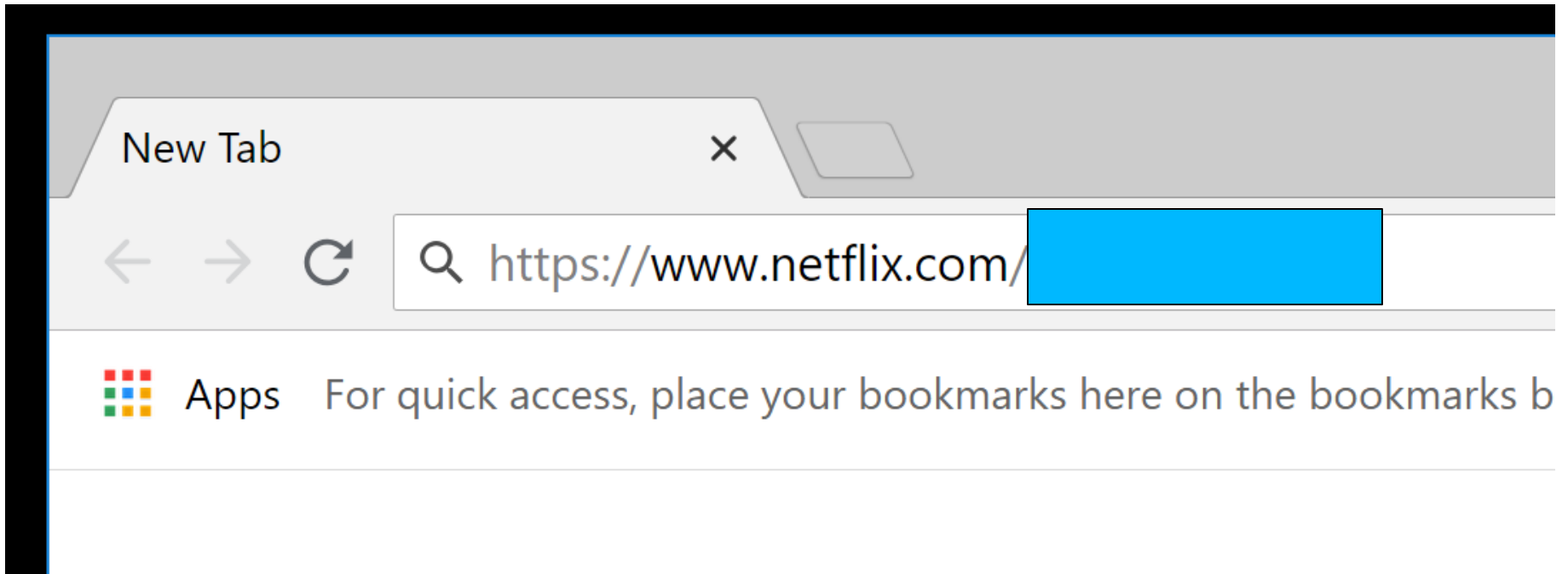
Watch anywhere



Pick your price









**NETFLIX**

UNLIMITED TV SHOWS & MOVIES

A **NETFLIX** FILM

# Sierra Burgess is a Loser



# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- When you move your mouse cursor over the streaming video, the controls for starting, stopping, audio level, etc. are "unhidden":

A NETFLIX FILM

# Sierra Burgess is a Loser



# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Start up Applian's "Replay Media Catcher 7":



# Replay Media Catcher 7

# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

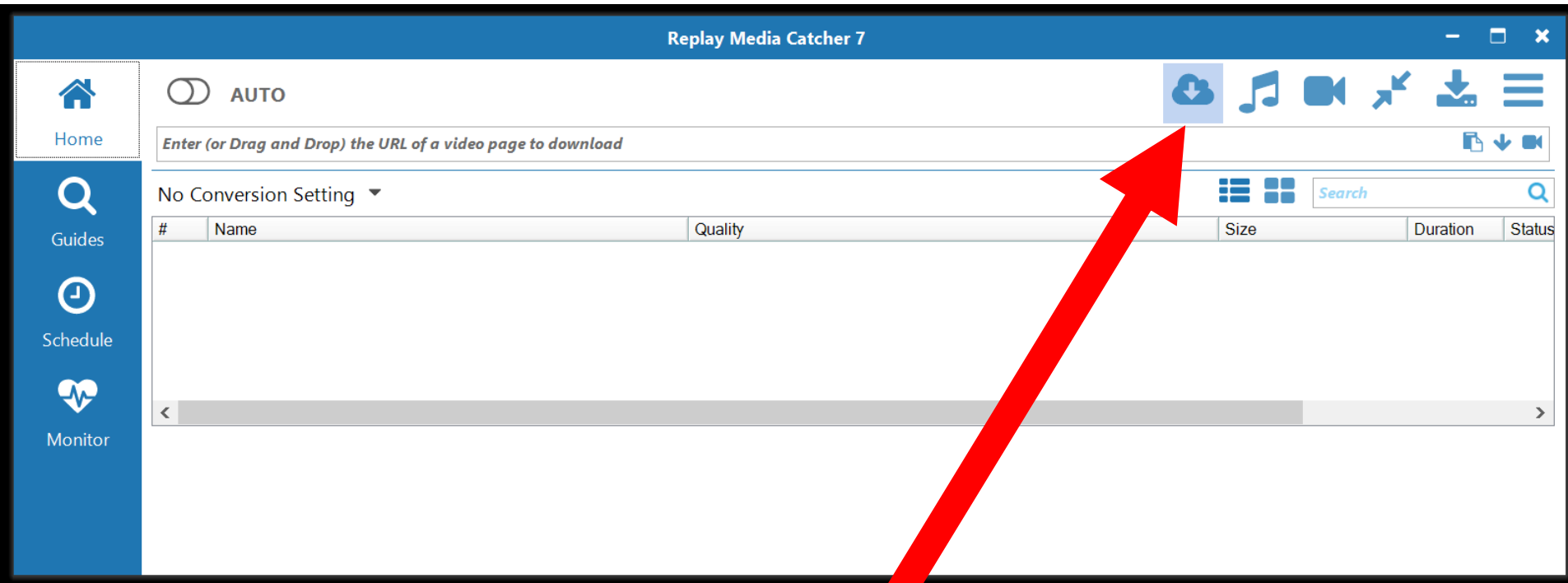
- After you start it up, Applian's "Replay Media Catcher 7" looks like this:

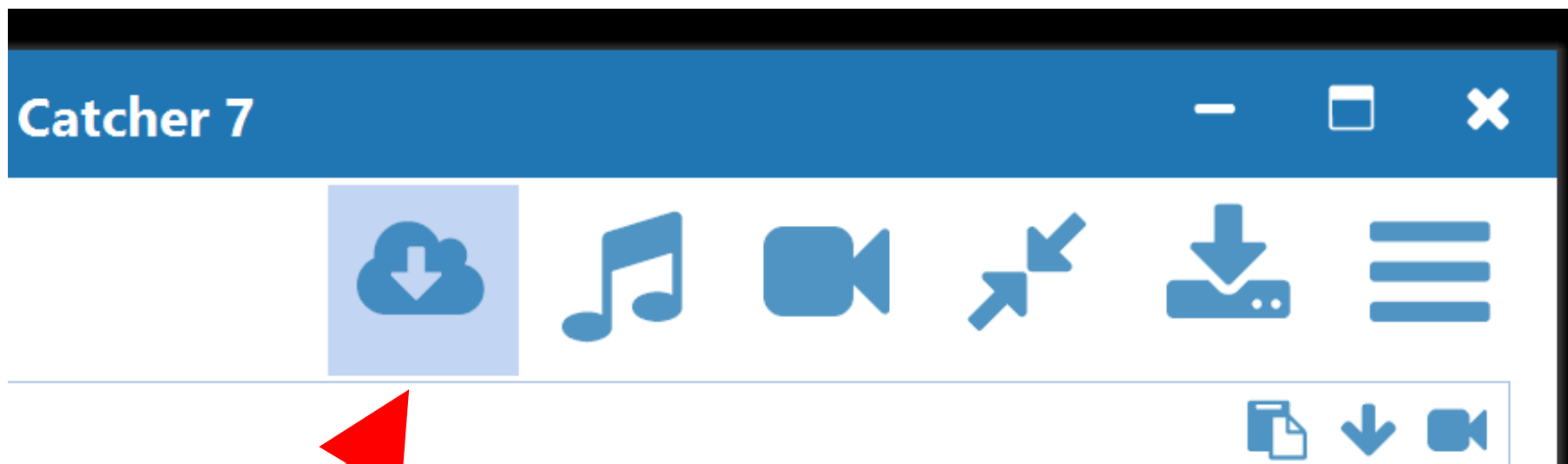


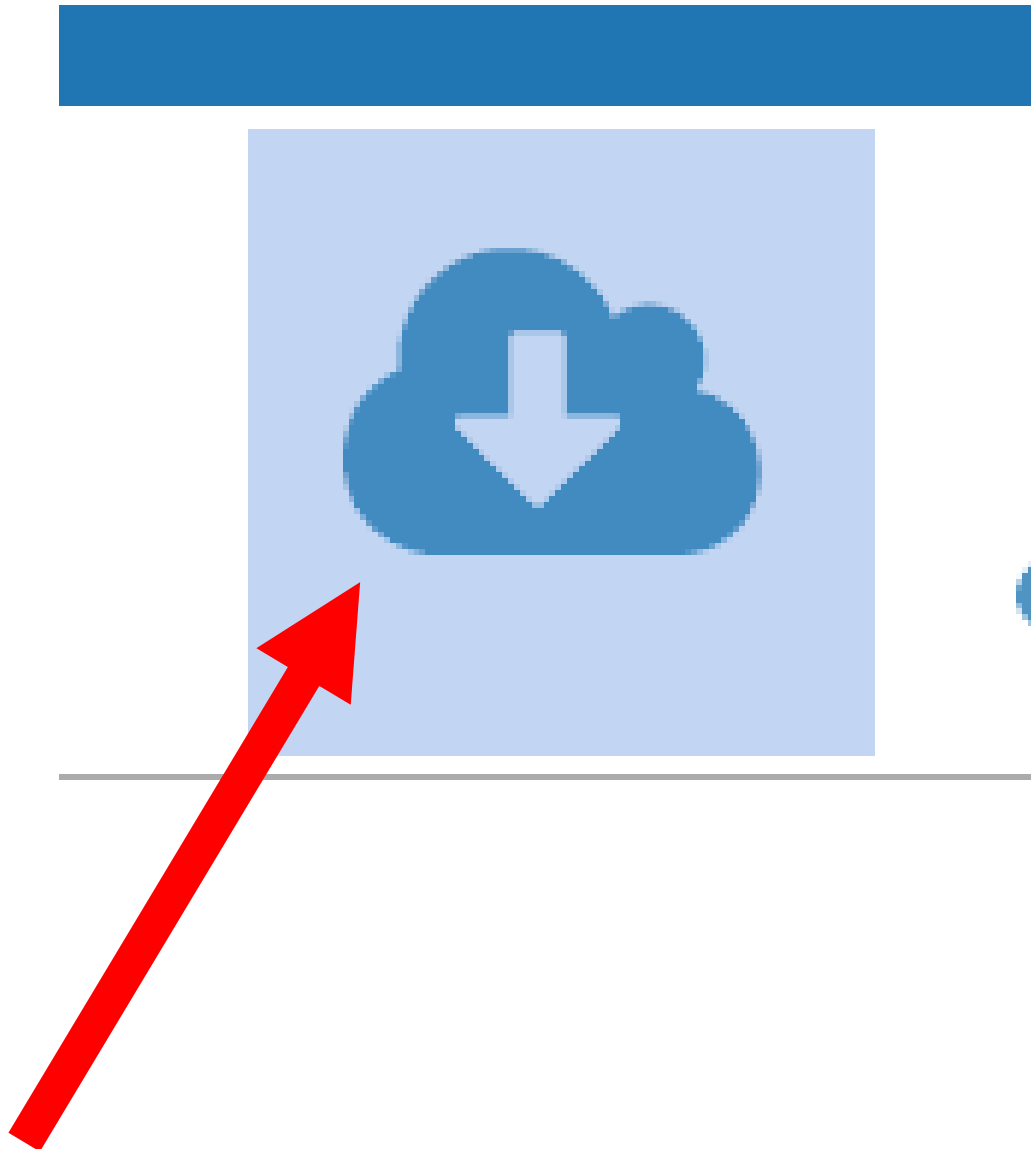
# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Make sure that the "Stream Downloader" button is high-lighted. If it is not, click on it to high-light it as follows:









# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Copy the URL from the Web browser (where you logged into your Netflix account) to the URL box of "Replay Media Catcher":

NETFLIX

UNLIMITED TV SHOWS & MOVIES

GET A FREE MONTH

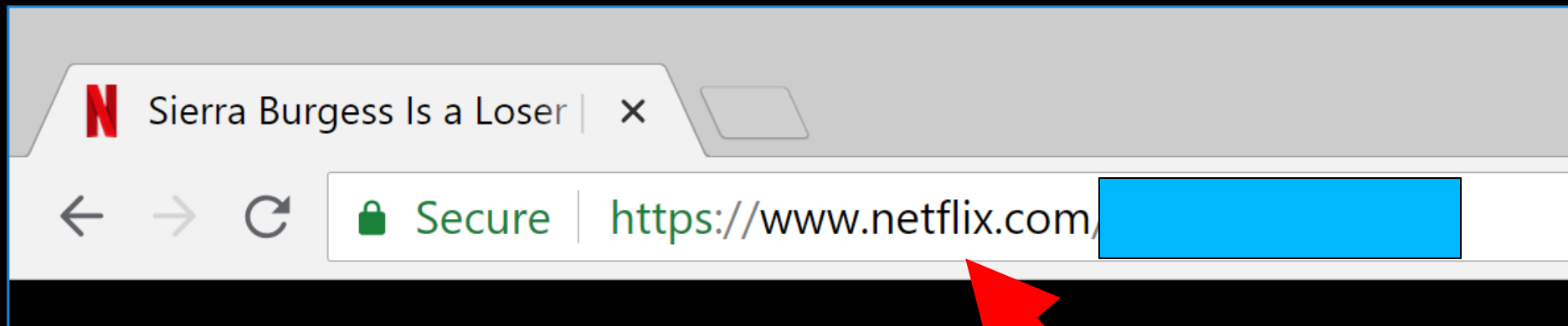
SIGN IN

A NETFLIX FILM

# Sierra Burgess is a Loser



Play





Home



Guides



AUTO

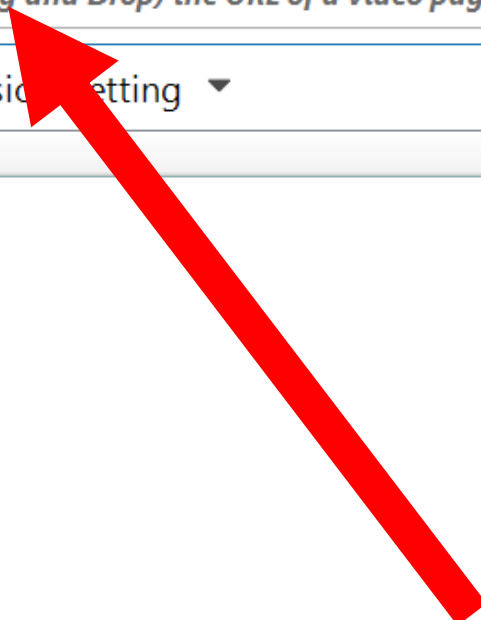
*Enter (or Drag and Drop) the URL of a video page to download*

No Conversion setting ▼

#

Name

Quality



## Replay Media Catcher 7



Home



AUTO

https://www.netflix.com



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No Conversion setting ▼

#

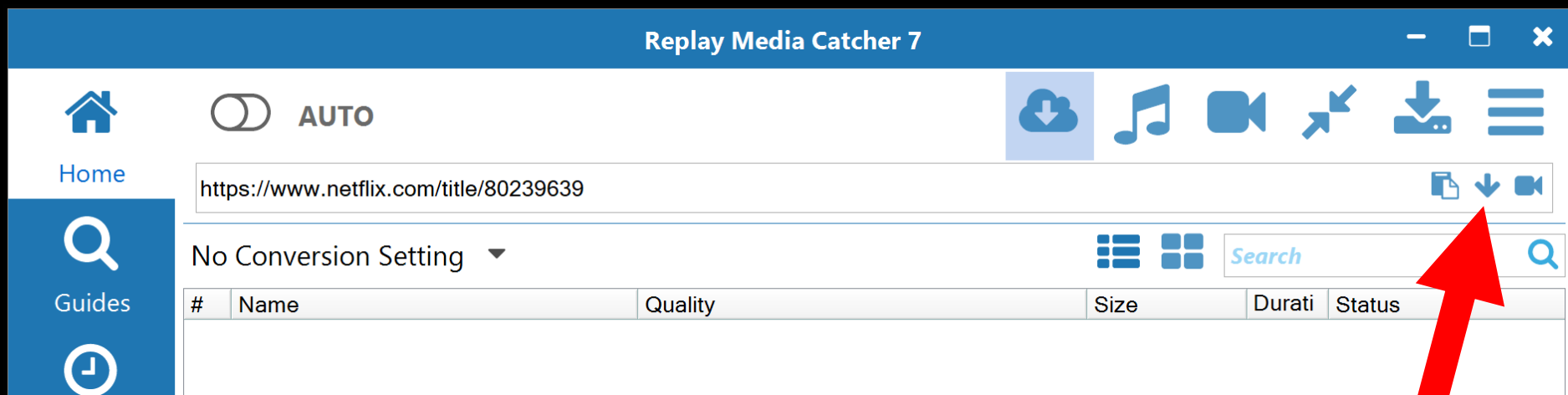
Name

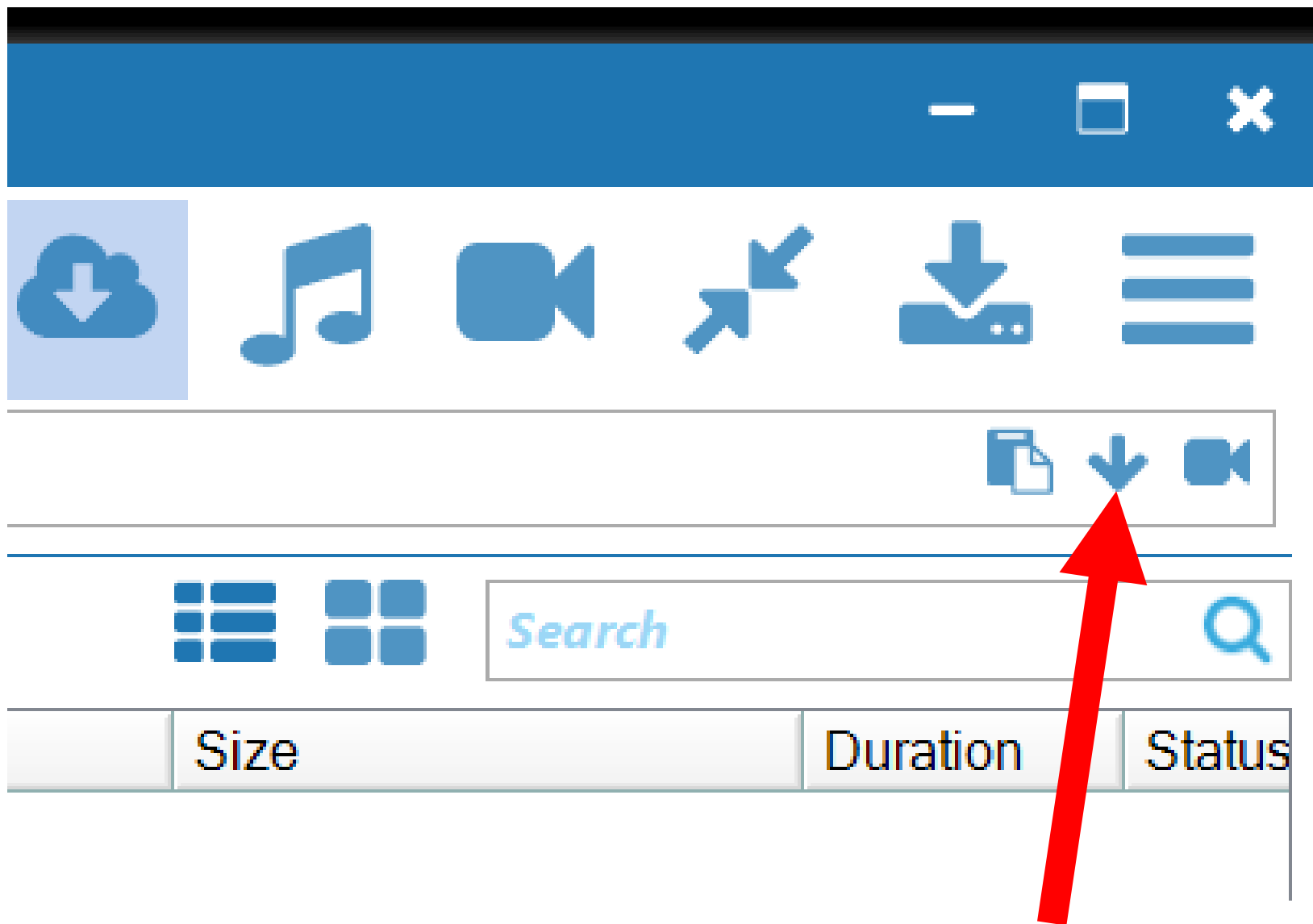
Quality



# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Click on the "Download" button:





# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Then "Replay Media Capture" will pop up a window to let you know that it has NOT detected a video stream that it is capable of recording:



Home



AUTO



Guides



Schedule



Monitor



Settings



Get Support

<https://www.netflix.com/>

No Conversion Setting ▾



#	Name	Quality ▾	Size	Duration	Status
1	Sierra Burgess Is a Loser Netflix Official Site		0 bytes		Complete (Errors)



Sierra Burgess Is a Loser Netflix Official Site



Url is not supported. Please try the AUTO or the Digital Video Recorder capture methods.



Size: 0 bytes

#	Name	Quality	Size	Duration	Status
1	❌ Sierra Burgess Is a Loser Netflix Official Site		0 bytes		Complete (Errors)

 Sierra Burgess Is a Loser Netflix Official Site

Url is not supported. Please try the AUTO or the Digital Video Recorder capture methods.

# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- We then attempted the "Auto" mode of "media capture":





Home



AUTO

https://www.netflix.com/

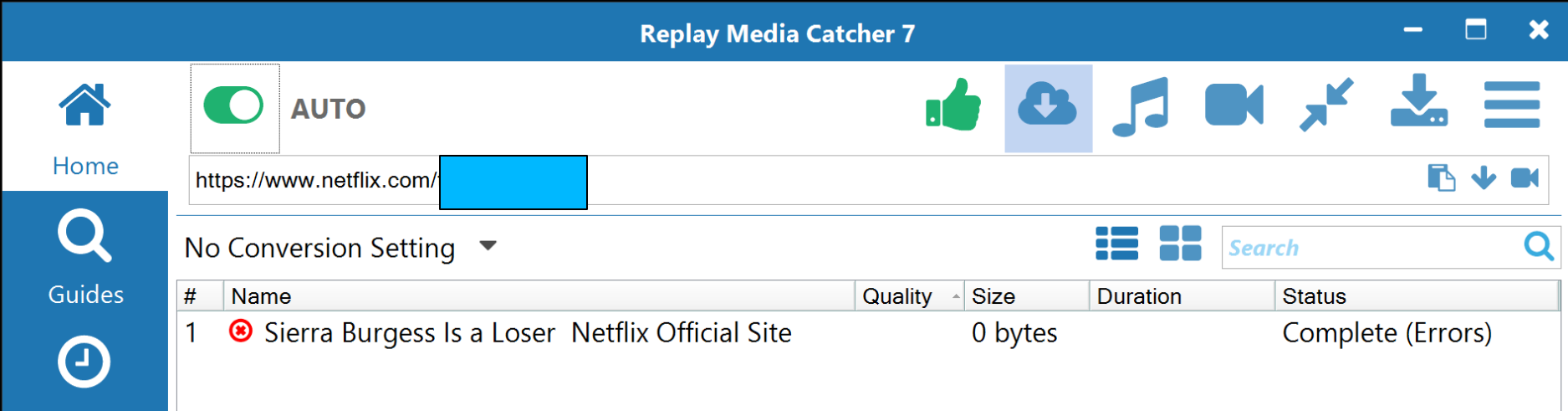


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No Conversion Setting ▼

#	Name	Qua
1	❌ Sierra Burgess Is a Loser Netflix Official Site	





Home



AUTO

https://www.netflix.com/

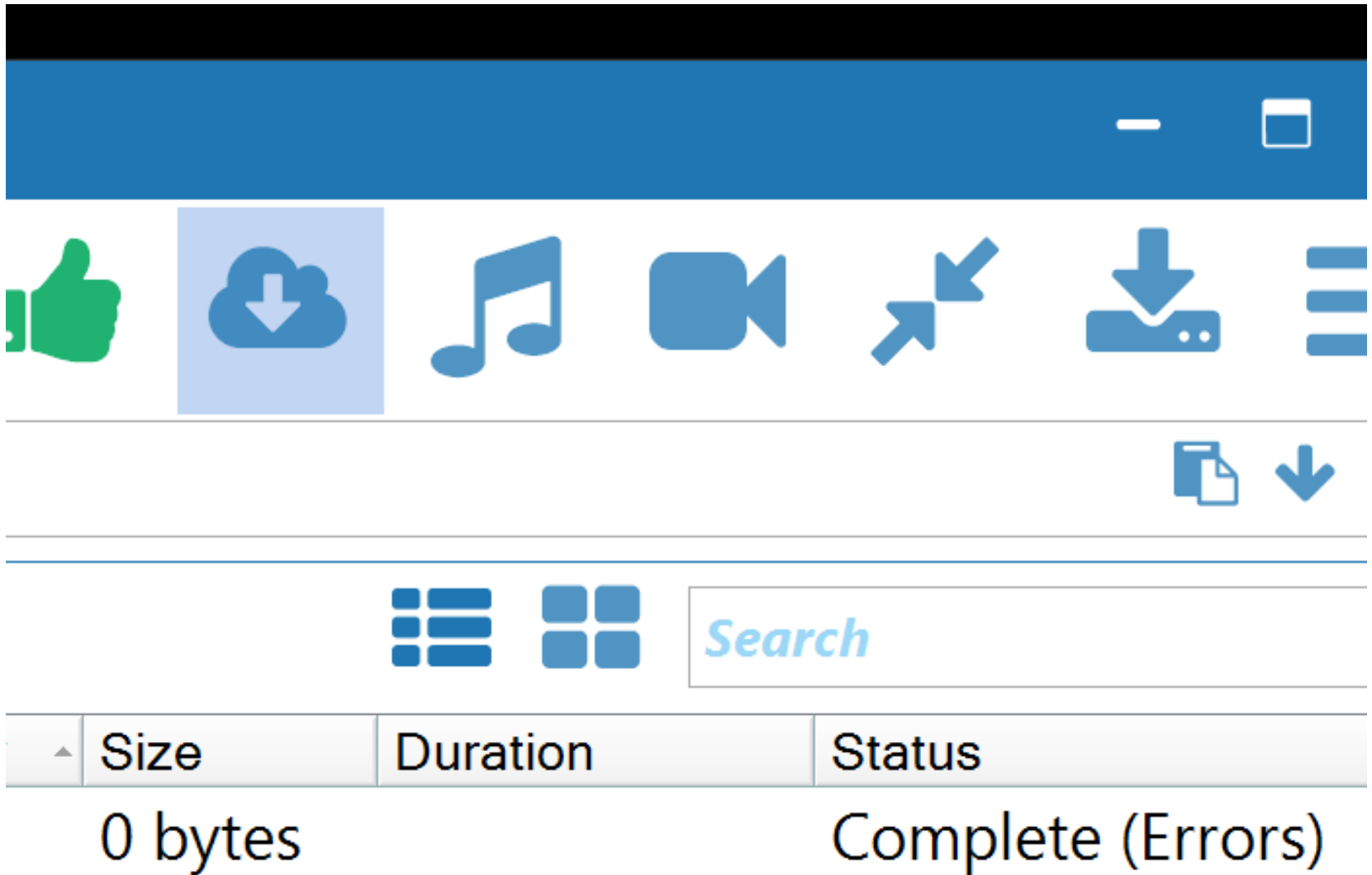


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No Conversion Setting ▼

#	Name	Qua
1	❌ Sierra Burgess Is a Loser Netflix Official Site	



# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- The "Auto" function in "Replay Media Catcher" requires that you refresh the Web page and then you must be start the video from it's beginning point in a Web browser:

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Play

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SIGN IN

A NETFLIX FILM

# Sierra Burgess is a Loser



Play

NETFLIX

UNLIMITED TV SHOWS & MOVIES

GET A FREE MONTH

SIGN IN

A NETFLIX FILM

# Sierra Burgess is a Loser





# "NETFLIX" BLOCKS "MEDIA CAPTURE" (continued)

- Even in "Auto" mode, "Replay Media Catcher" is unable to record the video at the Netflix Web site:



Home



AUTO

<https://www.netflix.com/title/80239639>

Guides



Schedule



Monitor



Settings



Get Support

No Conversion Setting ▾



Search



#	Name	Quality	Size	Duration	Status
1	Sierra Burgess Is a Loser Netflix Official Site		0 bytes		Complete (Errors)



Sierra Burgess Is a Loser Netflix Official Site



Url is not supported. Please try the AUTO or the Digital Video Recorder capture methods.



Size: 0 bytes

## Replay Media Catcher 7



Home



AUTO



<https://www.netflix.com/title/80239639>



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No Conversion Setting ▼

#	Name	Quality	Size
1	❌ Sierra Burgess Is a Loser Netflix Official Site		0 bytes