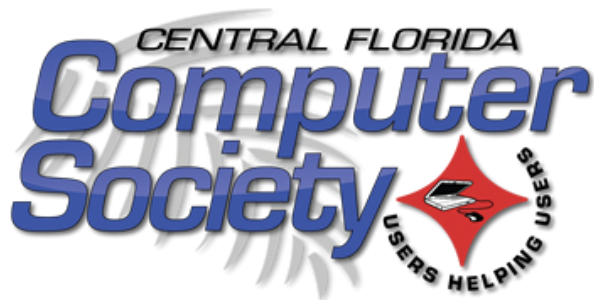


# 10: STREAMING MEDIA: BASICS, MEDIA CAPTURE, AND SCREEN RECORDING

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**Web location for this  
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# SUMMARY


The videos and audios that you view or listen to in a Web browser arrive in your computer. Then they are displayed inside a Web browser as a video rectangle or as audio player controls. You can use various software programs to save these media items for future viewing or listening.

# TOPICS

- Path of Streaming Video or Audio in a "Windows.." Computer
- Two Ways to Save Video or Audio Streams for Future Viewing or Listening:
  - ❖ Method 1: Media Capture at the Network Stack
  - ❖ Method 2: Screen Capture at the "Graphics Interface"

# PATH OF STREAMING MEDIA IN A "WINDOWS.." COMPUTER

- An online video or audio travels from a Web server to your computer over the following path:



Web server in the Internet "cloud"  
to  
your computer's network adapter  
to  
network stack (drivers and software)  
to  
"Graphics Device Interface" ("GDI")  
to  
Web browser as video or audio

# TWO WAYS TO RECORD STREAMING MEDIA (continued)

- Method 1:  
**MEDIA CAPTURE AT THE  
NETWORK STACK**
- Method 2:  
**SCREEN RECORDING AT  
THE GRAPHICS INTERFACE**

# TWO WAYS TO RECORD STREAMING MEDIA

- Method 1 = **MEDIA CAPTURE AT THE NETWORK STACK:**

Use a software program to capture the media stream at the network stack

- Method 2 = **SCREEN RECORDING AT THE GRAPHICS INTERFACE:**

Use a software program to capture the media stream at the Graphics Device Interface (GDI)





Web server

to

your computer's network adapter

to

network stack (drivers and software)

**METHOD 1="MEDIA CAPTURE AT THE NETWORK STACK"**

to

"Graphics Device Interface" ("GDI")

**METHOD 2="SCREEN RECORDING AT THE GRAPHICS INTERFACE"**

to

Web browser as video or audio

Web server

to

your computer's network adapter

to

network stack (= drivers and network software)

**METHOD 1="MEDIA CAPTURE AT THE  
NETWORK STACK" "aTube Catcher"**

to

"Graphics Interface" ("GDI")

**METHOD 2="SCREEN RECORDING AT THE  
GRAPHICS INTERFACE" "aTube Catcher"  
or "Free Cam" or "Xbox Game Bar"**

to Web browser as video or audio

# SOFTWARE NAMING WIERDNESS

- The naming of this type of software is imprecise:

The terms "capture", "catcher", "grab", "grabber", "recording", "screen recording" and "downloading" are all being used to refer to "Method 1: media capture at the network stack" and "Method 2: screen recording at the Graphics Interface" by software developers and retailers.