301:
LINUX SCREEN RECORDING AND MEDIA CAPTURE

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SUMMARY

For "Ubuntu" Linux computers, you can record streamed videos with:
1) apps that do "media capture at the network stack"
and
2) apps that do "screen recording at the "Graphics Device Interface"

PATH OF STREAMING MEDIA

- 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 MacOS computer's network adapter

to

network stack (drivers and software)

to

Graphics System (=X11 Window System" or "Wayland")

to

Web browser as video and/or audio

TWO WAYS TO RECORD STREAMING MEDIA

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

- Method 2: **SCREEN RECORDING AT THE GRAPHICS SYSTEM**

TWO WAYS TO RECORD STREAMING MEDIA (continued)

- Method 1 = **MEDIA CAPTURE AT THE NETWORK STATION**:
  Use a software program to capture the media stream at the network stack

- Method 2 = **SCREEN RECORDING AT THE GRAPHICS SYSTEM**:
  Use a software program to capture the media stream at the Graphics System

"METHOD 1" DETAILS:

- Method 1 = "MEDIA CAPTURE" consists of
using a software program to capture the media stream at the network stack:

- Applian's
"Replay Media Catcher"
usually uses "Method 1"

Web server

to

your computer's network adapter

to

network stack (drivers and software)
**METHOD 1: MEDIA CAPTURE AT THE
NEWORK STACK**

to

Graphics System (=X11 Window System"
or "Wayland")
to
Web browser as video and/or audio

"METHOD 1" DETAILS (continued):

- Web sites that display videos that work with "Method 1" (= "media capture"): YouTube.com Vimeo.com https://www.cnn.com/videos

LINUX APPS FOR
"METHOD 1" = "MEDIA CAPTURE AT THE NETWORK STACK"

- "Ultimate Media Downloader" app at https://snapcraft.io/ultimate-media-downloader

- https://www.tecmint.com/download-managers-for-linux/

LINUX APPS FOR "METHOD 1" = "MEDIA CAPTURE AT THE NETWORK STACK" (continued)

- https://alternativeto.net/software/atube-catcher/?platform=linux

"METHOD 2" DETAILS:

- Method 2 consists of
  using a software program to capture
  the media stream at the
  "Graphics System"
  The "Graphics System" is the part of
  the Linux operating system that
  generates the monitor screen and
  the print jobs

Web server

to

your computer's network adapter

to

network stack (drivers and software)

to

Graphics System (=X11 Window System" or "Wayland")
METHOD 2: SCREEN RECORDING AT THE GRAPHICS SYSTEM

to

Web browser as video and/or audio

"METHOD 2" DETAILS (continued):

- Web sites that work with "Method 2 ="Screen Recording at the Graphics System":
  Netflix
  Hulu
  Amazon "Prime Video"
  CBS All Access

LINUX APPS FOR "METHOD 2" = "SCREEN RECORDING AT THE GRAPHICS SYSTEM"

- https://sourceforge.net/software/video-recording/linux/

- https://democreator.wondershare.com/screen-recorder/linux-screen-recorder.html