

Southern University of Science and Technology

Computer Networking Lab Report


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● Introduction :

#Lab6.1

Using dash.js to load a dash resource

- Open “Network” view in ‘developer tools’ of browse(such as chrome) to observe

-  Is there any ‘mpd’ files, What’s its name, what is the description of ‘mpd’ in mime

-  Is there any ‘m4s’ files, what’s its related rate, will the files’ ‘rate’ change along with the changing of network condition(especially the bandwidth)

● Procedure

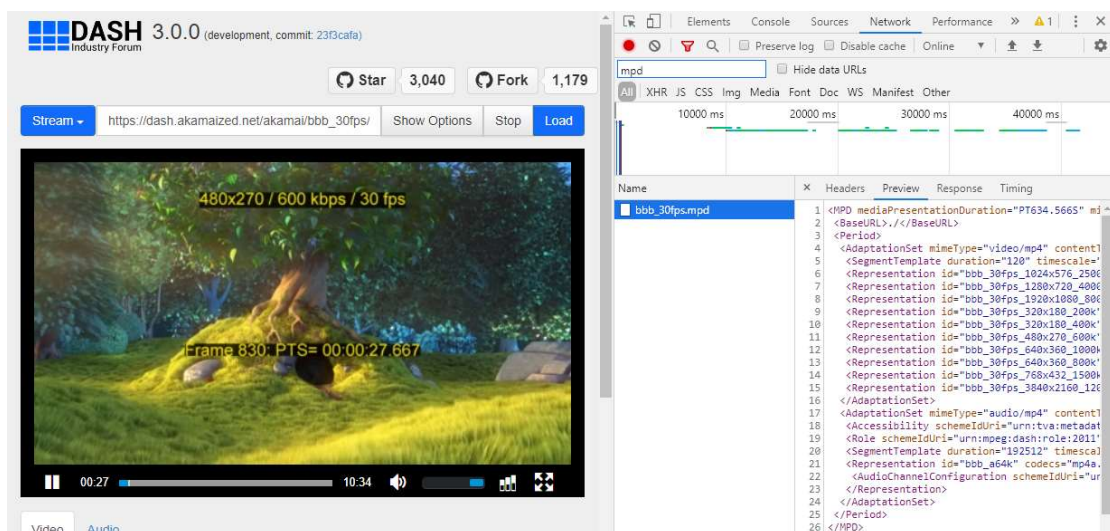
#Lab6.1

Using dash.js to load a dash resource and opening developer tools of the browser.

● Result:

#Lab6.1

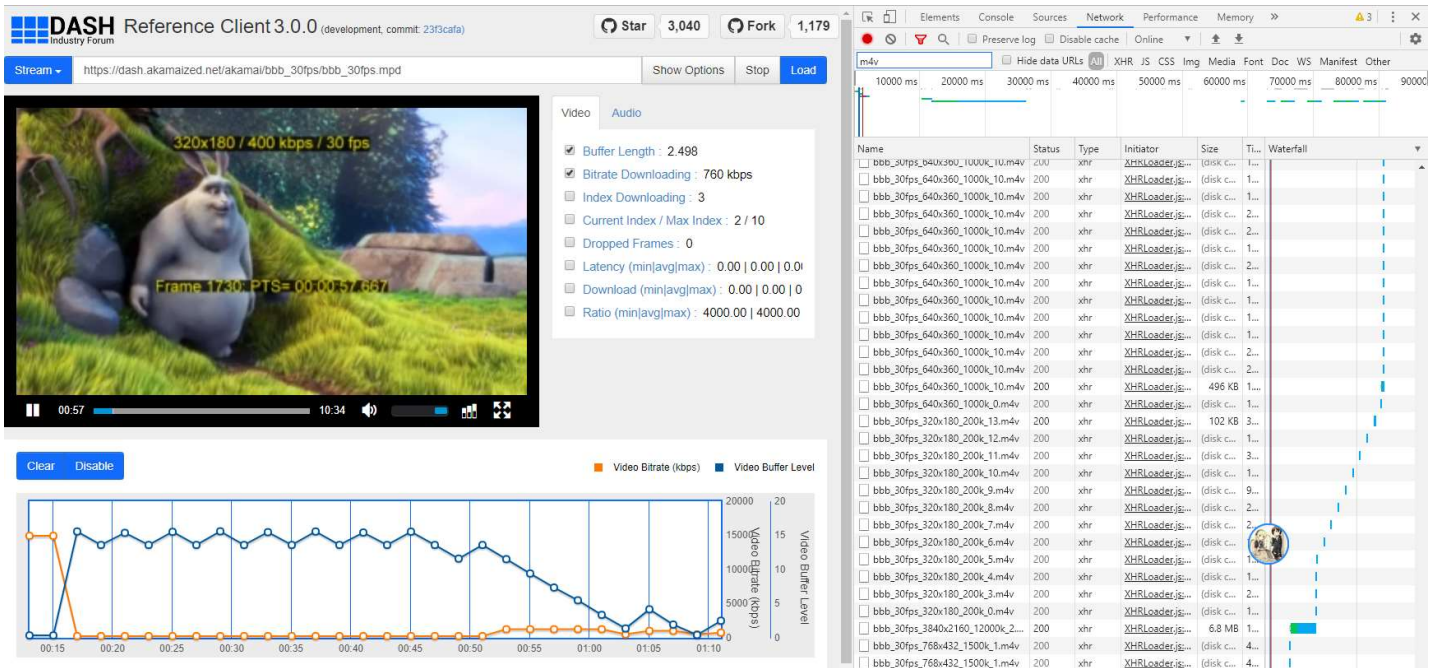
Q1:



The screenshot displays a web browser window with the DASH.js player interface on the left and the Chrome DevTools Network tab on the right. The player shows a video of a character in a forest with overlaid text: '480x270 / 600 kbps / 30 fps' and 'Frame 830 PTS= 00:00:27.667'. The network tab shows a list of requests, with 'bbb_30fps.mpd' selected. The corresponding MPD manifest is visible in the right pane, showing the video's metadata and adaptation sets.

‘mpd’ file exists ,its name is bbb_30fps.mpd , its description in mine is video/mp4

Q2:



Many ‘m4v’ files exists. In the picture above, the related rate is 760kbps, and the files’ ‘rate’ change along with the changing of network condition. For example, the picture above is 320*180/400kbps/30fps,rate 760kbps, but the picture below is 768*432/1500kbps/30fps,rate 3134kbps.

