MSE FOR CLOUD BROWSER CONCEPT

Telekom **Innovation Laboratories**
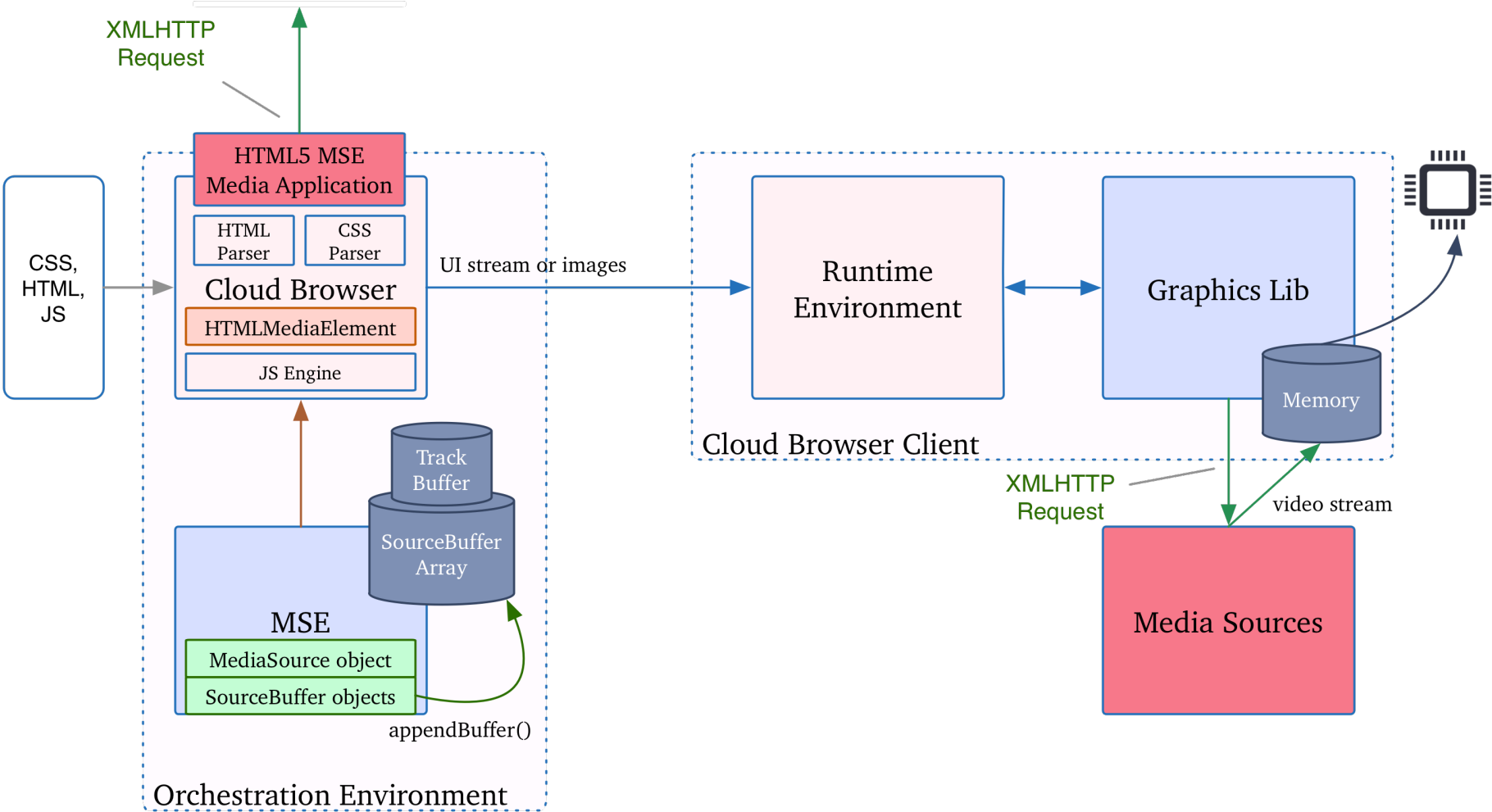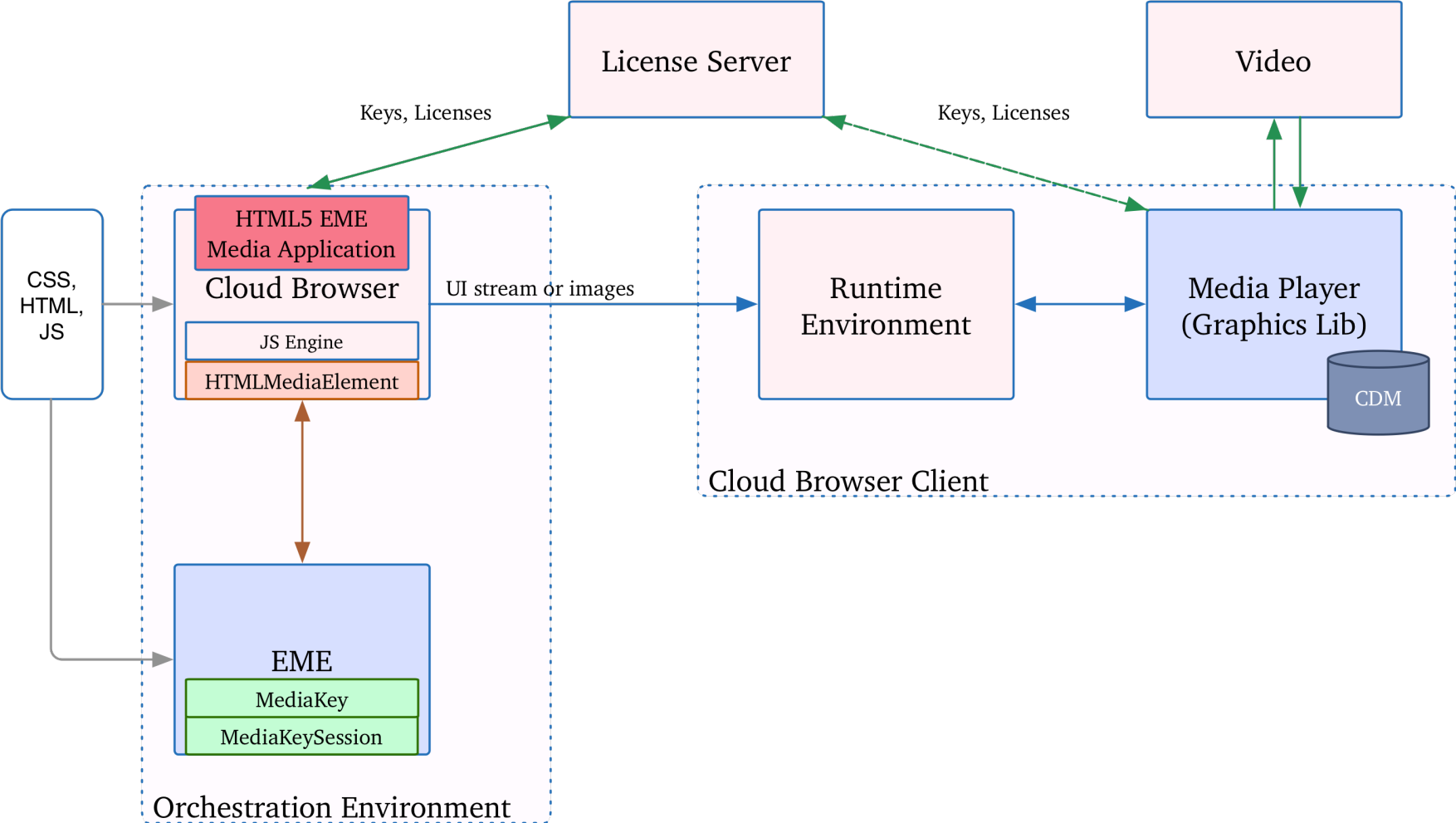
MSE FOR CLOUD BROWSER INITIAL REQS

- The CB client downloads the data on behalf of the CB. Req1: XMLHttpRequests must be made distinguishable to the CB that would identify which kind of resource is requested or what kind of an XMLHttpRequest it is.

- (negligible)The CB client should be able to signal available bitrate data to the CB

- The web app (CB) should be able to manipulate the data even if it only exists on the CB client. Req2: The mechanism must be identified to enable remote manipulations with video.

- The video chunks at the CB server get appended by the appendBuffer method. Here, there is no way for the CB client to know which XMLHttp Request is now getting appended. Req3: appendBuffer must be associated with the memory of CB client

- As the MSE JavaScript logic is being executed by the CB, the data could get appended before it gets manipulated. Req4: appendBuffer should be able to signal to the CB client only the changes to the data need to be changed

- The CB client loads the data on behalf of CB, returning the reference to the CB. Here the ordering of the data is impacted, as the web app loads the chunks in any order. Therefore, appendbuffer and clients memory might get out of order. Req5: The chunk ordering must be made available to the client; the different resources (a/v/bitrates) must be made distinguishable for the CB client.

- XHR data does not 1:1 correspond with appendbuffer. Req6. The CB client must be notified what and when could be deleted from the memory.

EME FOR CLOUD BROWSER CONCEPT

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- As both web app and the CB client request the jeys at license servers. Req1: An IP of CB must be associated with an IP of the CB client