

ABSTRACT

Systems, devices, and methods for media processing and streaming, including receiving content to be prepared for a 5G media streaming (5GMS) corresponding to an input Common Media Application Format (CMAF) track and a set of output CMAF tracks; determining a content preparation template (CPT), wherein the CPT includes a Network Based Media Processing (NBMP) workflow description document (WDD) which specifies an input format of the input CMAF track, and an array of task instances corresponding to the set of output CMAF tracks; preparing the content according to the CPT; and streaming the prepared content over the 5GMS network to a media streaming client.

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