Towards usage restrictions in HTML?

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Current status:

Flash required

HTML5 video codecs

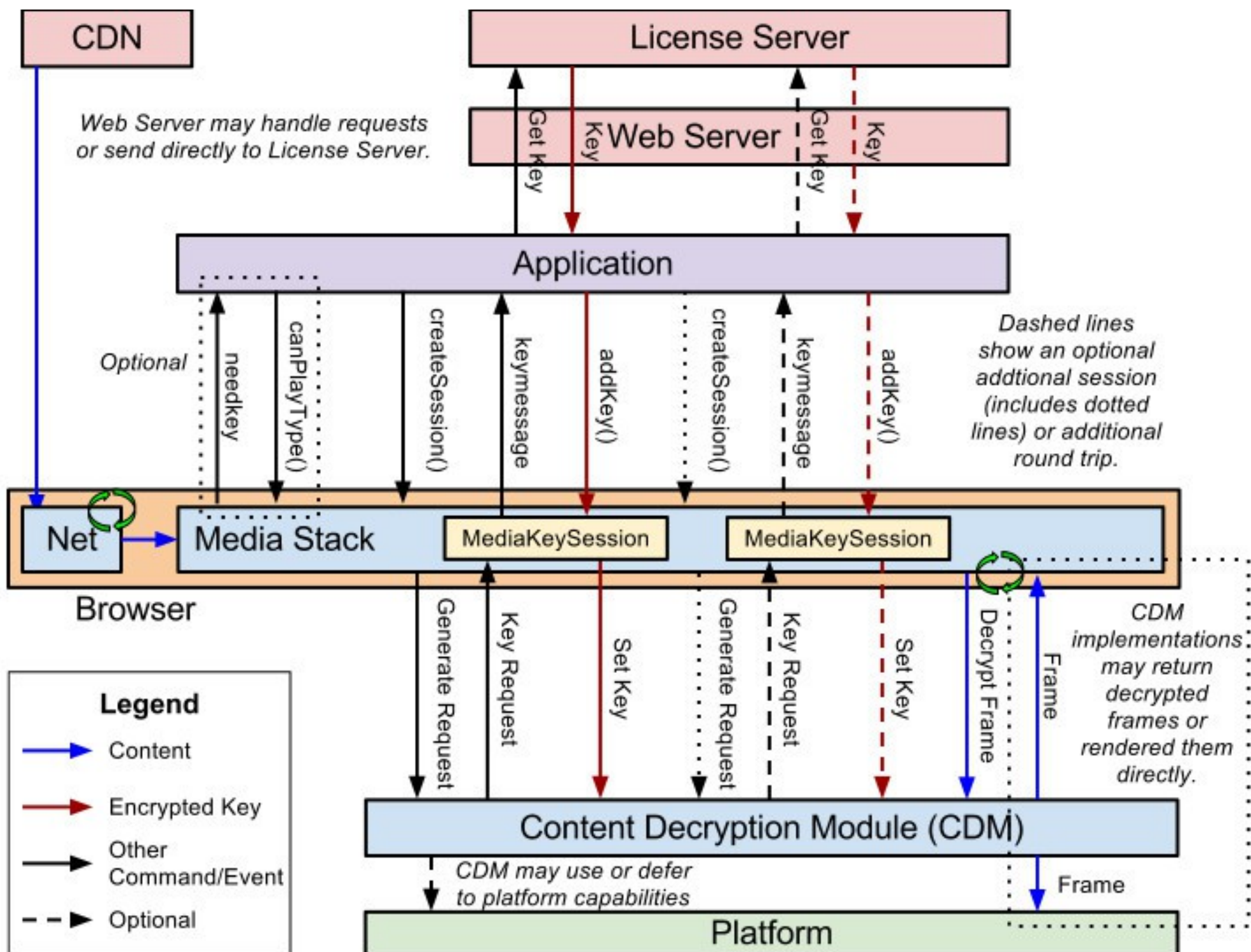Control (through patents) how one can make videos
on the web

HTML video restrictions

Control (through DRM) how one can watch videos on the web

What's "EME"?

Encrypted Media Extension

How does EME work?

Welcome to W3C Newspeak

"the Open Web"

"Can you highlight how robust content protection can be implemented in an open source web browser?" he asked. "How do you guard against an open source web browser simply being patched to write the frames/samples to disk to enable (presumably illegal) redistribution of the protected content?"

   Netflix's Mark Watson responded to the message and acknowledged that strong copy protection **can't be implemented in an open source Web browser**. He deflected the issue by saying that **copy protection mechanisms can be implemented in hardware**, and that such hardware can be used by open source browsers.

Some examples of features that would be in scope for the updated HTML specification:

- additions to the HTMLMediaElement element interface, to support use cases such as live events or **premium content**; for example, additions for:
    - facilitating adaptive streaming (Media Source Extensions)
    - **supporting playback of protected content**
- adaptive images
- additions to the HTML Canvas 2D Context (HTML Canvas 2D Context, Level 2)
- additional new elements and attributes for Web Components

On Tue, 29 Nov 2011 10:09:54 GMT
In Requirements for Home Networking Scenarios
At http://www.w3.org/TR/2011/NOTE-hnreq-
20111201/#content-protection

4.3.10 Content Protection

Conforming specifications should support the content protection mechanism for a content item used by a content server in order to play back that content item. Conforming specifications must provide a graceful failure model when a content protection mechanism is not supported.

"W3C standards do not normatively require proprietary components. Neither does EME. But in practice, the motivating use-case for EME (let's just say Hollywood content) does require proprietary components."

– Mark Watson

"You can certainly implement EME and
a CDM under whatever open source terms you
choose."

– Mark Watson

Keeping DRM out of the web?

It's already there...

Netflix – Google Chrome OS
Netflix – Microsoft "PlayReady"

What can we do?

Pressure W3C to refuse the stamp of approval of the "open Web"... if you care.