Topic: JavaFX Media

JavaFX Media refers to a group of classes designed to enrich applications by imbedding media content in them. Media content includes both Audio and Video content, with support for several popular formats such as MP3 and MPEG-4. JavaFX also includes HTTP live streaming support, which allows you to download the playback video or audio on-demand. Resolution and video bitrate can be adjusted as you would expect to save bandwidth. JavaFX supports integrating 3rd party media codecs, which allows for greater control over media size and quality.

The biggest downside to JavaFX Media is that it is not particularly relevant in today’s market. Most media streaming is not down thru GUIs anymore and JavaFX is not the dominant force in browsers. For GUI applications, it is competitive with strong official support.

Christopher,

The ability to import 3rd party encoding standards adds a level of flexibility developers would surely appreciate. However, as you mentioned JavaFX is not the most performant option for video. This is a major issue as it will be competing with platforms like YouTube, which can be easily integrated into webpages with their nearly flawless video controls. JavaFX is likely to never be a dominant force for Media, but the functionality is appreciated none the less.

Anitha,

JavaFX’s most compelling benefit is actually just a benefit of Java in general. The ability to work on every device has been and continues to be Javas greatest strength. However, as you mentioned JavaFX has some performance issues which makes it a tough sell. Consumers have no patience for performance issues these days and companies will not risk using a Media library that is not nearly perfect.