



JW PLAYER 6

Project Overview

IN A NUTSHELL

- ▶ Slicker User Experience
- ▶ Improved Player Performance
- ▶ Better Media Support
- ▶ Improved Testing
- ▶ Improved Documentation
- ▶ More Integrated AddOns

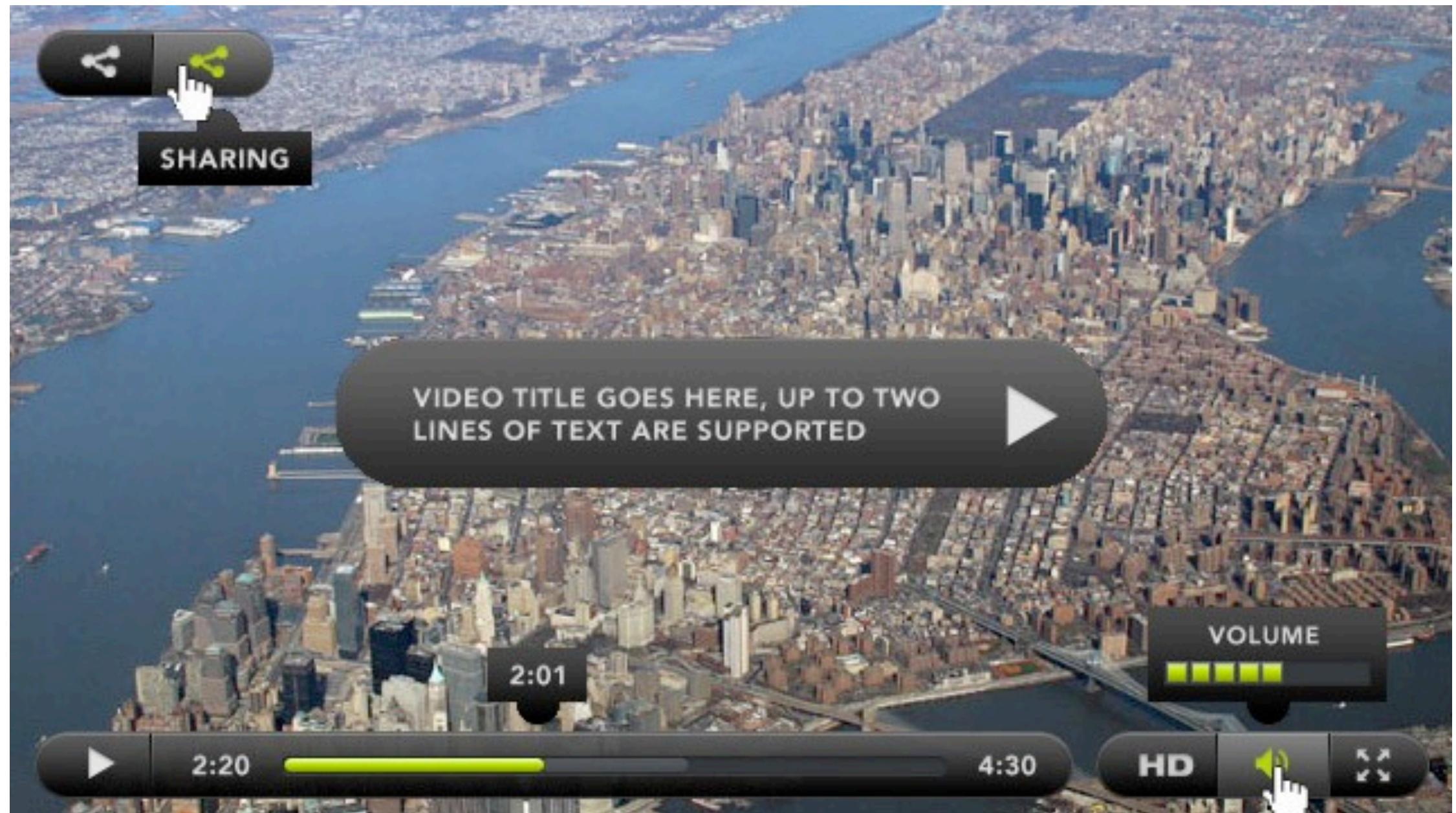
<https://trac.longtailvideo.com/trac/wiki/Player60Spec>



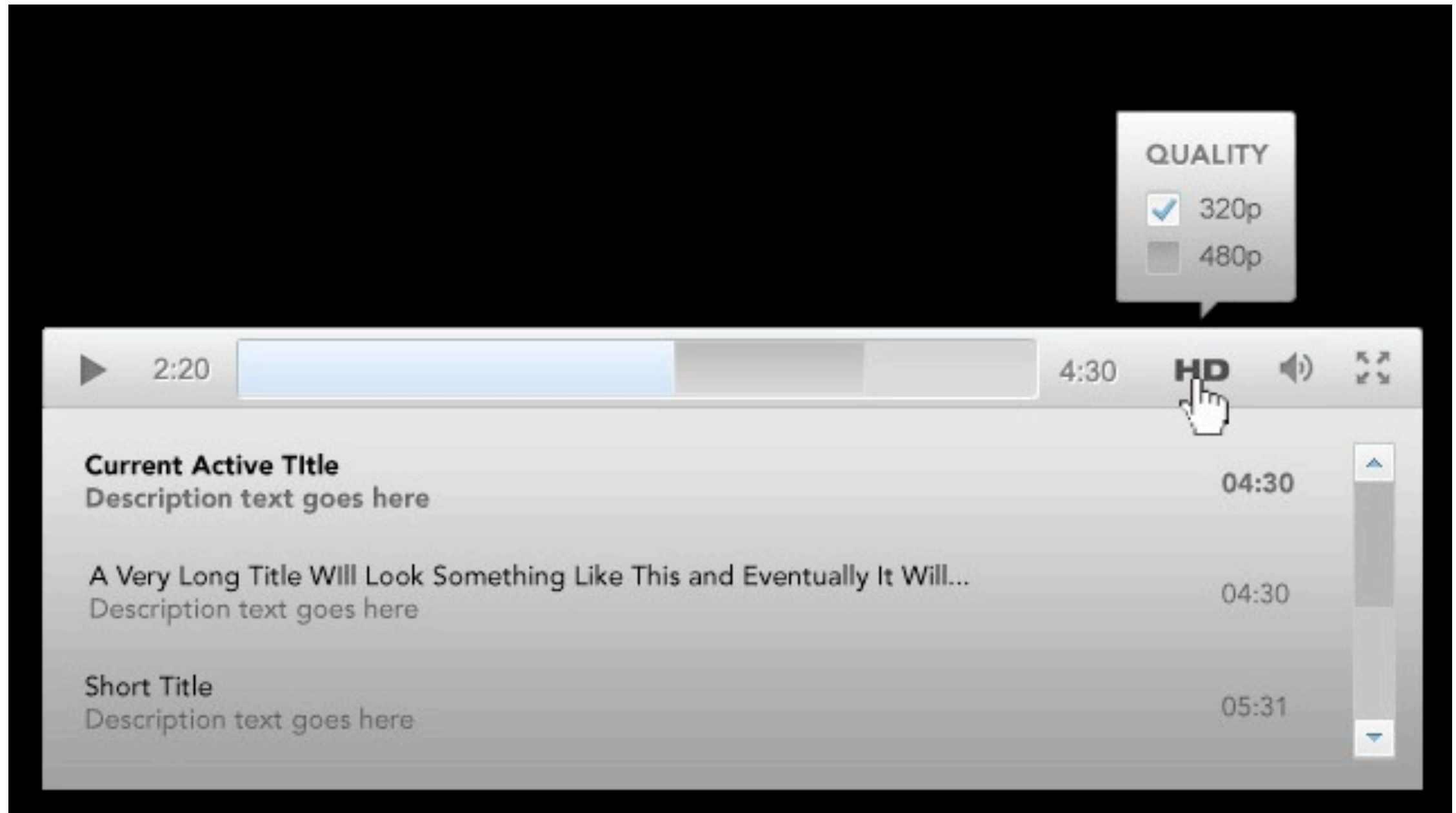
SLICKER USER EXPERIENCE



SLICKER USER EXPERIENCE



SLICKER USER EXPERIENCE



SLICKER USER EXPERIENCE

- ▶ Guidelines: wireframes, transitions, designs
- ▶ Playlist layouts: basic, extended, thumbnails
- ▶ Title/error inside play icon, new replay icon
- ▶ HD & CC menus in the controlbar
- ▶ Vertical volume slider
TBD: deprecate or remove horizontal slider?
- ▶ Updated dock design & API (TBD)
- ▶ New modal API (TBD)



IMPROVED PLAYER PERFORMANCE

- ▶ HTML5 player now responsive to video tag
- ▶ HTML5 refactor: much smaller file
- ▶ HTML5 Fullscreen API support
- ▶ Semantic HTML, style by CSS
- ▶ Separate Embedder/API (player loaded as JS)
- ▶ StageVideo for Flash Video/RTMP/HLS
- ▶ Removed deprecated features...



DEPRECATED FEATURES

- ▶ Media: Ogg video, Images, HTTP pseudo
- ▶ Embedding: <embed>, SWFObject, <video>
- ▶ V4 stuff: SWF skins, JS API, v4 plugins
- ▶ Colorization & config XML
- ▶ Video “trimming” with start/duration
- ▶ Non RSS feeds (ASX, XSPF, ATOM, SMIL)



BETTER MEDIA SUPPORT

- ▶ Video: MP4, FLV, WebM
- ▶ Audio: AAC, MP3, Vorbis
- ▶ Youtube (Flash only)
- ▶ Streaming: RTMP, HLS (TBD)

No other format is officially supported (Theora, Shoutcast, WAV).



BETTER MEDIA SUPPORT

- ▶ Support for multiple formats
- ▶ Support for multiple levels
- ▶ Support for multiple formats + levels

Both inline (currently difficult with “modes” blocks) and in RSS feeds (currently impossible).



BETTER MEDIA SUPPORT

```
jwplayer("myElement").setup({  
  playlist: [{  
    image: "/assets/sintel.jpg",  
    sources: [  
      { file:"sintel.mp4", label: "360p", type:"mp4" },  
      { file:"sintel-hd.mp4", label:"720p", type:"mp4" },  
      { file:"sintel.webm", label:"360p", type:"webm" },  
      { file:"sintel-hd.webm", label:"720p", type:"webm" },  
    ],  
    title: "Sintel Movie Trailer"  
  }  
});
```



BETTER MEDIA SUPPORT

- ▶ “primary”: HTML5 (default) or Flash
- ▶ “fallback”: true (default) or false

YouTube in HTML5 is part of fallback, as is rendering a setup error. With fallback disabled, we won't touch the original HTML.



BETTER MEDIA SUPPORT

New “quality” plugin/javascript API, for YouTube style selection menu:

- ▶ Sound: not supported
- ▶ YouTube: proxying YT quality API
- ▶ Video: reloads different file (w/offset)
- ▶ RTMP: force quality or “auto” for adaptive
- ▶ HLS: force quality or “auto” for adaptive (TBD)



BETTER MEDIA SUPPORT

HLS provider in the works by Courtenay

- ▶ Supports live + vod
- ▶ Currently working on performance fixes, improved format support (e.g. B-frames)
- ▶ Hopefully done for 6.0, but separate project

Additionally, Alex is working on HDS support. Is progressing swiftly.



IMPROVED TESTING

- ▶ Single set of representative test cases
- ▶ Cases include browser, fail/pass instructions
- ▶ Cleanup of old “testing” tool and pages

Separately, automated testing tool is developed by Risoft (India). V1 is for desktop browsers only, using javascript API.



IMPROVED TESTING

Clear list of supported browsers/devices:

- ▶ Desktop: IE8, IE9, Chrome, Firefox, Safari
- ▶ Mobile: iOS5, Android 2.3, Android 4
- ▶ 2nd tier: FF 3.6, IE7, Opera, iOS 4, WP7.5, Blackberry, Kindle Fire, Android 3.2

Second tier devices do not participate in all tests.



IMPROVED DOCUMENTATION

- ▶ Guiding principle: “1 way” to setup something
- ▶ Only JW6 docs on site (JW4 & JW5 hidden)
- ▶ Docs of LT addons included in JW6 docs
- ▶ Emphasis on JavaScript API
- ▶ Plugin docs moved to developer site
- ▶ Developer site cleanup (wiki, svn, tickets)
- ▶ New, simple version of wizard

<http://developer.longtailvideo.com/player/branches/jw6/doc/>



MORE INTEGRATED ADDONS

- ▶ Fold addons in JW Player (product + support)
- ▶ Configs for “key” plugins move to top (TBD)
- ▶ Update plugins for new design guidelines (overlays, modals, instream, dock)
- ▶ Update skins for new options (tooltip, CC/HD, extended icons, dock, etc)
- ▶ Update modules for new embedding options and hosting of player + skins (TBD)

