bodymovin

After Effects plugin for exporting animations to syg/canvas/html + js or natively on Android and iOS through Lottle (https://m.

- Extract content and search for the .zxp file from '/build/extension'
 Use the ZXP installer (http://sescripts.com/leam/zxp-installer/) from sescripts.com.

V 5.7.3

EXPRESSIONS: Added more expressions support

V 5 7 2

- FIX: Trusted Types compliance by removing calls to .innerHTML
 FIX: make callback parameter of removeEventListener optional
 FEATURE: Audio Support

V 5.7.0

V 5.6.10

- FIX: default loop to true
 FIX: removing sans-serif and monospace from font preloader to calculate correctly when font is lost.
 FIX: improved image caching when preloading svg image tags updated definitions.

V 5.6.9

- fix compression options
 initialization improvement

V 5.6.8

- not using non breaking spaces for text spaces
 added support for exporting video layers (only export, players don't support them)
 fix for path properties open without nodes

V 5.6.7

- use original comp name as export name
 added default filter values for banner template
 added option to load local file as lottie player
 initial Segment set before animation configuration

- V 5.6.6

 - mading file extension correctly when copying original assets fixed inlined jon objects with cartaige returns a added loop support for hannes exporting adjustment layers as null layers a dead check book to select comp names as default added checklook to select comp names as default added titler ziz configuration and defaulting to 100% Add missing animation event man definitions

V 5.6.5

- added initial Segment property
 fix for zip file without root folder
 support for including json in banner html template
 Export "blur" text animator property

V 5.6.4

V 5.6.3

- Fix saving json files with special characters
 Improved lottle import

- Fix lottle importer gradient data without keyframes
 Added hidden layers and hidden properties support for importer
 Improved error messaging
 Added assetErlat configuration for typescript
 fixed mangled lottle declaration

V 5.6.1

Fix on the exporter for older AE versions when a new project didn't have a saved destination vet

V 5 6 0

- Support new export mode: Rive
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 Improved existing export modes
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Lottie + Bodymovin

Lottle is the native engine that Airbnb's awesome team built. It uses Bodymovin as the animation exporter and is the ideal complement for getting animations to play natively everywhere. Follow these links to get each player:

- Android's player (https://qithub.com/airbnb/lottie-android)
 iOS's player (https://qithub.com/airbnb/lottie-ios)
 React Native's wrapper (https://qithub.com/airbnb/lottie-react-native)

Lottie and AVD

Some animations can be exported for Android using the AVD format. It can fit for some case where you'll gain a performance improvement. But Lottle brings much more features, a level of animation control and dynamic loading that couldn't be achieved with avd. Here's a <u>link http://aintenb.io/lottle-lottle-avd-html</u> with a full comparison of both technologies.

After installing

Go to Edit > Preferences > General > and check on "Allow Scripts to Write Files and Access Ne

HTML player installation

with npm npm install lottie-web

with bower bower install bodymovin

Or you can use the script file from here:
https://cdnjs.com/libraries/bodymovin
Or get it directly from the AE plugin clicking on Get Player

Demo

Examples

How it works

be.com/watch?v=5XMUJdji0L8) a video tutorial explaining how to export a basic animation and load it in an html page
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After Effects

- Open your AE project and select the bodymovin extension on Window > Extensions > bodymovin
 A Panel will open with a Compositions tab listing all of your Project Compositions.
 Select the composition you want to export.
 Select a Destination Folder
 Select a Destination Folder
 I click Pender
 I cook for the exported jonn file (if you had images or Al layers on your animation, there will be an images folder with the exported files)

You can call lottie.loadAnimation() to start an animation. It takes an object as a unique param with:

- animationData: an Object with the exported animation data.
 path: the relative path to the animation object, (animationData and path are mutually exclusive) tolop: true i false in number
 autoplay; true i false it will start playing as soon as it is ready
 name: animation name for future reference
- renderer: 'svg' / 'canvas' / 'html' to set the renderer

 container: the dom element on which to render the animation

It returns the animation instance you can control with play, pause, setSpeed, etc.

Usage

stop

pause

href: usually pass as location.href. Its useful when you experience mask issue in safari where your unidoes not have # symbol

setSpeed(speed)

value: numeric value.
 isFrame: defines if first argument is a time based value or a frame based (default false).

goToAndPlay(value, isFrame)

- value: numeric value.
 isFrame: defines if first argument is a time based value or a frame based (default false)

setDirection(direction)

direction: 1 is forward. -1 is reverse

playSegments(segments, forceFlag)

- segments: array. Can contain 2 numeric values that will be used as first and last frame of the animation. Or can contain a sequence of arrays each with 2 numeric values
 forceFlag: boolean. If set to false, it will wait until the current segment is complete. If true, it will update values immediately.

setSubframe(useSubFrames)

useSubFrames: If false, it will respect the original AE fps. If true, it will update on every requestAnimationFrame with intermediate values. Default is true.

destroy()

getDuration(inFrames)

inFrames: If true, returns duration in frames, if false, in seconds

Aditional methods:

updateTextDocumentData – updates a text layer's data <u>More Info (https://github.com/airbnb/lottie-web/wiki/TextLa</u>

Lottie has several global methods that will affect all animations:

Lottle has several global methods that will affect all animations:

lottle play) – with 1 optional parameter name to target a specific animation don's

oldes apply—with 1 optional parameter name to target a specific animation don's

oldes apploaded boy value, in France, name) – Mores an animation with the specified name playboak to the defined time. If name is omitted, mores all animation indances of the content of the play of the pla

Events

- onsegmentStart
 you can also use addEventLidener with the following events:
 complete
 complete

Other loading options

if you want to use an existing canvas to draw, you can pass an extra object: 'renderer' with the following configuration:

```
• if you want to use an existing cannots of draw, you can pass an extra object 'rendeer' with the following configuration:

Interface the container: element, // the dom element renderer: 'rendeer' interface the container and autoplays traw, animationbata; // the animation data renderers' interface the context cannotation that context contex
```

Disign this you will have to handle the canvas clearing after each frame cure.

Another way to load animations is adding specific attributes to a don element.

You have to include a div and set it's clear to lottle.

If you do it before gape load, it will automatically search for all bags with the class "folie".

Or you can call lottle searchAnimation(s) sher page load and it will search all elements with the class "lottle".

Preview

You can preview or take an avg snapshot of the animation to use as poster. After you render your animation, you can take a snapshot of any frame in the animation and save it to your disk. I recommend to pass the avg through an avg optimizer like https://jakearchibald.github.io/svgomg/ and play around with their settings

Recommendations

If you have any images or All agers that you haven't convented to shapes (I recommend that you convent them, so they get exported as vectors, right click each layer and do: "Create shapes from Vector Layers"), they will be saved to an images folder relative to the destination json folder. Beware not to overwrite an exiting folder on that same location.

This is real time rendering. Although it is pretty optimized, it always helps if you keep your AE project to what is necessary-brit More optimizations are on their way, but by not to use huge shapes in AE only to make a small part of it-derivation many contains a small part of it-deriv

If you have any animations that don't work or want me to export them, don't hesitate to write.

I'm really interested in seeing what kind of problems the plugin has.

'my email is hernantorrisi@gmail.com

AE Feature Support

- The script apports mecomes, shapes, solids, images, null objects, texts

 It apports made and invented made. Maybe other modes will come but it has a huge performance hit.

 It apports made managing

 The script supports shapes, rectangies, et eligible and data.

 Expression, Check the wife page for more willo, filtractivitus, consistentialistic webbinis Expressions)

 It is supported, image sequences, video and data are not supported.

 No register leyer setterfulligh for some yout deficiency is play memors with all the data.

Development

npm install **or** bower install **first** npm start

Notes

- If you want to modify the parser or the player, there are some gulp commands that can simplify the task.
 looks it the great an imitation exported on codepen <u>See examples on codepen. This livedopen infoliation(original for projection)</u>
 gipping the animation joins and the player have a higher eduction on the filezze. I recommend doing it if you use it for a project.

Issues