bodymovin

After Effects plugin for exporting animations to sys/canvas/html + js or natively on Android and iOS through Lottie (https://medium.com/airbnb-engineering/lin

V 5.7.5

- FIX: Enable HimageElement to use preloaded images thanks @dbettlini
 FIX: lottle-tight effects breaking on destroy
 FIX: loaded images event fire din restrail
 FIX: onded images event fired in restrail

- FIX: additiventListance method returns function except void
 EXPRESSIONS: added support for tolviloritive, fromWorldvic and getValueAlTime for transforms
 EXPRESSIONS: fixed properfycing represent
 FIX: added deap effects placeholder
 FIX: added deap effects placeholder
 FIX: added theck for wapper on deterly canvas
 EXPORTIER missing layer styles
 EXPORTIER export only work area

V 5.7.3

EXPRESSIONS: Added more expressions support

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

V 5.7.1

- REPORT: Improved animation report
 FIX: Expressions separate dimensions
 FIX: property/sorup for expressions (Dulk bones are supported)
 FEATURE: supported Pucked and Bloat

- V 5.7.0

 - FEATURE: Extension: reports for not supported features
 FEATURE: Extension: baking keyframes for unsupported expressions
 FEATURE: Extension: improved preview and added Skottie preview

- V 5.6.10

FIX: default loop to true
 FIX: removing sanserif and monospace from font preloader to calculate correctly when font is loaded
 FIX: improved image caching when preloading swg image tags
 updated definitions

V 5.6.9

- 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

- reading file extension correctly when copying original assets
 fixed inlined jon objects with carriage returns
 added loop support for banners
 exporting adjustment layers as nutil layers
 added other both select comp names as default
 added debedook to select comp names as default
 added off the size compliants and defaulting to 100%
 added this rais compliants and defaulting to 100%
 Add mixing astimulation event name definitions

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

- added support for using original images as assets
 Improved log error fix
 Fixed missing assets during export

V 5.6.3

- Fix saving json files with special characters
 Improved lottie import V 5.6.2
- Fix lottle importer gradient data without keyframes
 Added hidden layers and hidden properties support for importer
 Improved error messaging
 Added assetbeath configuration for typescript
 fixed mangled lottle declaration

V 5 6 1

- Support new export mode: Rive
 Support new export mode: Barner
 Improved existing export modes
 Improved insign goot modes
 Improved insign goot modes
 Improved insign goot modes
 Improved insign goot modes
 Support for improving Lottle Animations!
 Rised build to prevent politifung global scope
 ideat animation multiplier fix
 Rises #1878 supports id attribute for container

Lottie + Bodymovin

Lottie is the native engine that Airbnb's awesome team built. It uses Bodyn Follow these links to get each player:

- Android's player (https://github.com/airthublottle-android)
 IOS's player (https://github.com/airthublottle-los)
 React Native's wrapper (https://github.com/airthublottle-react-native)

Lottie and AVD

Some animations can be exported for Android using the AVD format. It can fit for some cases 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 limit, Margination blottledied beaut him) with a full comparison of both technologies.

After installing

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

HTML player installation

with npm npm install lottie-web

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

After Effects

- Open, your AE project and select the bodymon's adender on Window. Extensions > bodymovin
 A Parel will upon with a Composition table lains all of your Project Compositions.
 Salect the composition you want to export.
 Salect the composition project
 Click Render
 Look for the apponde jon file (if you had images or AI layers on your animation, there will be an images folder with the exported files)

HTML

get the lottie.js file from the build/player/ folder for the latest build
 include the .js file on your html (remember to gzip it for production)

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

- there an object as a unique poalmin and object with the exported animation data.

 path: the relative path to the animation object, primationData and path are mutually on clopit true falled mamber

 autoplay true false in will dard playing as soon as it is ready

 name: animation name for future reference

 rendere: bug' cannad' frain' to set the rendere

 continuer: the down deterent on with to invade the animation

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

Composition Settings:

Check this wiki page for an explanation for each setting. https://github.com/airbnb/lottie-web/wiki/Composition-Settings

Usage

Animation instances have these main methods

play

stop

setLocationHref(href)

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

setSpeed(speed)

speed: 1 is normal speed

goToAndStop(value, isFrame)

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

- 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.

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)

Aditional methods:

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

Lottie has several global methods that will affect all animations:

Lottie play() — with 1 optional parameter ame to target a specific animation story:

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you can also use addEvent

- can also use adoctivents, before with the tollowing events:

 complete

 loopComplete

 segmentStart

 segmentStart

 data, prady (when initial config is done)

 data, prady (when all parts of the animation have been loaded)

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 DOML condig used by the configuration of the

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

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    If you want to use an edising canvasto draw, you can pass an extre object 'rendemer' with the following configuration:

loction.location.relation...

location.relation...

location.relation...
```

Diright by you will have to handle the canvas clearing after each frame clair.

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

You have to include a div and set it's class to tolle.

If you do to be too per load, it will automatically search for all tags with the class Tollie*.

Cryou can call tolle search Animations() after page load and it will search all elements with the class "lotte".

- ndd the data jion to a folder relative to the him!
 create a div that will contain the animation.
 doi:
 Required
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 a "data samimation-path" stitibute with relative path to the data jion doi:
 done to the state of the sta

<div style="width:1067px;height:600px" class="lottie" data-animation-path="animation/" data-anim-loop="true" data-name="ninja"></div.</pre>

Preview

Files

If you have any images or Al layers that you haven't converted to shapes (il recommend that you convert 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 joon 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-obr>
More optimizations are on their way, but ty not to use huge shapes in AE only to mask a small part of it-obr>
Too many nodes will also affect performance.

Help

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.

'br' my email is hernantorrisi@gmail.com

AE Feature Support

- The script supports precomps, shapes, solids, images, null objects, texts
 It supports made and inverted made. Maybe other modes will come but it has a huge performance hit.
 It supports images emapping
 The script supports mages, rectangles, ellipses and data.
 Expressions Check the will page for trace into finite sighths combinite the web-wisit expressions?

 No regative layer stretching No idea why, but diretching a layer messes with all the data.

Development

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

Notes

- If you want to modify the parsor or the player, there are some gulp commands that can simplify the task
 looks at the great animation seported on codepan <u>Properties on codepan . Properties on the Properties on the Properties of the Prope</u>

Issues

For missing mask in Safari browser, please anim.setLocationHref(locationHref) before animation is generated. It usually caused by usage of base tag in html. (see above for description of setLocationHref)