bodymovin
After Effects plugin for exporting animations to svg/canvashtml + js or natively on Android and iOS through Lottie (https://medium.com/airbnb-engine

FEATURE: added more methods available for the lottie worker player

V 5 8 0

- FEATURE: lottle player as a worker support
 FEATURE: added content-visibility prop support
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 FEATURE: added content-visibility prop support
 FEATURE: added folia: untiveNewNewn reflect of a support dangle file on a separatic web worker (different than the first feature)
 FEATURE: added faismer sits to comp on export (not supported by payers yet)
 FIX: machine seed expression fix.
 FIX: machine seed expression fix.

V 5.7.14

- FEATURE: added support for masked strokes line cap and line join
 FIX: callbacks list executing beyond index list
 FIX: missing TextExpressionSelectorPropFactor
 FEATURE: exporter improvements

V 5.7.11

V 5.7.10

FIX: exporter fix

V 5.7.9

- FEATURE: added support for prefixig ids
 FEATURE: security updates
 FIX: fix image sequencing preloading
 FEATURE: added support for gradient fill expressions

V 5.7.8

- FIX: disable screen reader visibility of created font-nodes (thanks @)
 FEATURE: added FootageElement that supports json data layer types with expressions

- V 5.7.7
- FIX: whr open order
 FEATURE: added markers support
 FIX: repeater with reduced copies
 FIX: repeater with reduced copies
 FIX: repeater with reduced copies
 FIX: in 1 against with reduced copies
 FIX: repeater calling tim buce

- FIX: Enable HimageElement to use preload
 FIX: lottie-light effects breaking on destroy
 FIX: loaded_images event fired in safari
 FIX: original asset names for audios

- FIX additivant.Listurier method neturns function except void
 EXPRESSIONS; added support for toWorldVer, fromWorldVer, and getValueAlTime for transforms
 EXPRESSIONS; fixed properfyCore premion
 FIX added and effects placeholder
 FIX added and tok viruspper on destroy carvas
 EXPORTER; mixing layer gives
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 EXPORTER; mixing layer gives

V 5.7.3

EXPRESSIONS: Added more expressions support

V 5.7.2

- REPORT: Improved animation report
 FIX: Expressions separate dimensions
 FIX: propertySroup for expressions (Duik 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

Lottie + Bodymovin

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

- Android's player (https://github.com/airbnbllottie-android)
 iOS's player (https://github.com/airbnbllottie-ios)
 React Native's wrapper (https://github.com/airbnb/lottie-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 light high visionab locational great Atlant) with a fill 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

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
or/>

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.
 Click Render
 look for the exported json file (if you had im ges or Al 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:

- altes an object as a unique param with:

 a ministrolibitat or object with the exported animation data.

 path: the relative path to the animation object, (primistrolibita and path are mulually exclusive)

 loops true if late furnisher

 autoplay true if bater it will earl playing as son as it is ready

 rame, animation animate for future element

 container: the dom element on which to render 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

play stop

setLocationHref(href)

setSpeed(speed)

goToAndStop(value, isFrame)

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

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()

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

Lottie has several global methods that will affect all animations:

Lottle play() — with 1 optional parameter name to target a specific animation style
lottle play() — with 1 optional parameter name to target a specific animation style
lottle apblowd5 topicy alue, is/Frame, name) — Moves a naimation with the specified name playback to the defined time. If name is omitted, moves all animation indiances -ter/o
lottle apblowd5 topicy alue, is/Frame, name) — Moves an animation with the specified name playback to the defined time. If name is omitted, moves all animation indiances -ter/o
lottle aedblowd3 — in a symmetry and in indiances of the indian

Events

- you can also use addEventListener with the following events:

- Leave the same and the same and

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 canvasto draw you can pass an extra object 'rendeer' with the following configuration:

Containers alement, // the dom element

containers alement, // the dom element

loops traw,

animationData: animationData, // the animation data

rendeerseafficings; (
    context; canvasContext, // the canvas context

context; canvasContext, // the canvas context

progressiveLoad: false, // Boolsan, only way renderer, loads dom elements when needed. Hight speed up initialization for large indedofficersearch traw, // Boolsan, only way renderer, hiddes elements when needed. Hight speed up initialization for large indedofficersearch traw, // Boolsan, only way renderer, hiddes elements when opening reaches 0 (defaults to true)

classManes: *some-cas*-class-name*

}
```

Doing this you will have to handle the canvas clearing after each frame

Activity
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 lottle.
You do it before gape load, it will suntantically search for all tags with the class "lottle".
Or you can call lottle searchAnimations() after page load and it will search all elements with the class "lottle".

add the data join to a folder relative to the html

crosste a div that will contain the animation.

darb

Required

darb

a data animation joint

a data canimation-path* attribute with relative path to the data join.

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

Preview

You can preview or take an seg 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 seg through an seg optimizer like https://jakeacrhibald.github.io/segorag/ and play around with their settings. <a href="https://pickeacrhibald.github.io/segorag/and-play around with their settings-through-pickeacrhibald.github.io/segorag/and-play around with their settings-through-pickeacrhibald.github.io/segorag/and-play around with their settings-through-pickeacrhibald.github.io/segorag/and-pickeacrhibald.github.io/segora

Files

If you have any images or Al layers that you haven't converted to shapes (I 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 overnite an exiting folder on that same location.

Performance

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 ty not to use huge shapes in AE only to mask a small part of it-brit-Too many nodes will also affet 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 empapting
 The script supports hapes, redungles, ellipses and stars.
 Expressions Onche the wild page for non info, fitter solids have not supported.
 Not supported, image sequences, videos and saudo are not supported.
 No negative syst settlening for local with out settlening a super-means with all the data.

Development

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

Notes

- If you want to modify the passer or the player, there are some gulp commands that can simplify the task
 look at the great animations exported on codepon See examples on codepon. (http://codepon.lo/collection/n/YYM2R)
 gripping the animation jzons and the player have a huge reduction on the filedze. I recommend doing it if you use it for a project.

Issues

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