

♣ AR.js has now an official Documentation! ♣

Check it out: AR.js Official Documentation.

If you want to give a first look at AR.js potential, you can continue with this Readme.

♠ AR.js is coming in two, different builds. They are both maintained. They are exclusive.

Please import the one you need for your project, not both:

- AR.js with Image Tracking + Location Based AR:
 - AFRAME version: https://raw.githack.com/AR-jsorg/AR.js/master/aframe/build/aframe-ar-nft.js
 - three.js version: https://raw.githack.com/AR-js-org/AR.js/master/three.js/build/ar-nft.js
- AR.js with Marker Tracking + Location Based AR:
 - AFRAME version: https://raw.githack.com/AR-jsorg/AR.js/master/aframe/build/aframe-ar.js
 - three.js version: https://raw.githack.com/AR-jsorg/AR.js/master/three.js/build/ar.js

You can also import a specific version replacing master keyword with version tag:

<script src="https://raw.githack.com/AR-js-org/AR.js/3.3.3/aframe/build/aframe-ar-</pre>



Get started



Image Tracking

Please follow these simple steps:

- Create a new project with the code below (or open this live example and go directly to the last step)
- Run it on a server

- Open the website on your phone
- Scan this picture to see content through the camera.

```
<script src="https://cdn.jsdelivr.net/gh/aframevr/aframe@1c2407b26c61958baa93967b541</pre>
<script src="https://raw.githack.com/AR-js-org/AR.js/master/aframe/build/aframe-ar-n</pre>
<style>
  .arjs-loader {
    height: 100%;
    width: 100%;
    position: absolute;
   top: 0;
    left: 0;
    background-color: rgba(0, 0, 0, 0.8);
    z-index: 9999;
    display: flex;
    justify-content: center;
    align-items: center;
 }
  .arjs-loader div {
    text-align: center;
    font-size: 1.25em;
    color: white;
 }
</style>
<body style="margin : 0px; overflow: hidden;">
 <!-- minimal loader shown until image descriptors are loaded -->
 <div class="arjs-loader">
    <div>Loading, please wait...</div>
 </div>
  <a-scene
    vr-mode-ui="enabled: false;"
    renderer="logarithmicDepthBuffer: true;"
    embedded
    arjs="trackingMethod: best; sourceType: webcam;debugUIEnabled: false;"
    <!-- we use cors proxy to avoid cross-origin problems ATTENTION! you need to set
    <a-nft
      type="nft"
      url="your-server/https://raw.githack.com/AR-js-org/AR.js/master/aframe/example
      smooth="true"
      smoothCount="10"
      smoothTolerance=".01"
      smoothThreshold="5"
      <a-entity
```

Location Based Example

Please follow these simple steps:

- Create a new project with the following snippet, and change add-your-latitude and add-your-longitude with your latitude and longitude, without the <> .
- Run it on a server
- Activate GPS on your phone and navigate to the example URL
- Look around. You should see the text looking at you, appearing in the requested position, even if you look around and move.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <title>GeoAR.js demo</title>
    <script src="https://aframe.io/releases/1.0.4/aframe.min.js"></script>
    <script src="https://unpkg.com/aframe-look-at-component@0.8.0/dist/aframe-look-a</pre>
    <script src="https://raw.githack.com/AR-js-org/AR.js/master/aframe/build/aframe-</pre>
  </head>
  <body style="margin: 0; overflow: hidden;">
    <a-scene
      vr-mode-ui="enabled: false"
      embedded
      arjs="sourceType: webcam; debugUIEnabled: false;"
    >
      <a-text
        value="This content will always face you."
        look-at="[gps-camera]"
        scale="120 120 120"
        gps-entity-place="latitude: <add-your-latitude>; longitude: <add-your-longit</pre>
      ></a-text>
```

Please follow this simple steps:

- Create a new project with the code below (or open this live example and go directly to the last step)
- Run it on a server
- Open the website on your phone

Marker Based Example

• Scan this picture to see content through the camera.

```
<!DOCTYPE html>
<html>
    <script src="https://aframe.io/releases/1.0.0/aframe.min.js"></script>
    <!-- we import arjs version without NFT but with marker + location based support
    <script src="https://raw.githack.com/AR-js-org/AR.js/master/aframe/build/aframe-</pre>
    <body style="margin : 0px; overflow: hidden;">
        <a-scene embedded arjs>
        <a-marker preset="hiro">
            <!-- we use cors proxy to avoid cross-origin problems ATTENTION! you nee
            <a-entity
            position="0 -1 0"
            scale="0.05 0.05 0.05"
            gltf-model="your-server/https://raw.githack.com/AR-js-org/AR.js/master/a
            ></a-entity>
        </a-marker>
        <a-entity camera></a-entity>
        </a-scene>
    </body>
</html>
```

Important! Be aware that if you are referring to external resources, in any app, especially those using NFT, you will encounter CORS problems if those resources are not in the same server of the code. If you can't see the tracking, please open your Browser Dev Tools and check if you have CORS errors in the console. If so, you have to fix those errors in order to see your content. The correct fix is to place your resources on the same server of your code.

If you cannot do that, you can host a proxy anywhere server to solve that (https://github.com/Rob--W/cors-anywhere). Please note that several hosting services have policies that does not permit to use such server. Always check hosting services policies before using them to avoid account suspensions

Learn more on the AR.js Official Documentation.

Troubleshooting, feature requests, community

You can find a lot of help on the old AR.js repositories issues. Please search on open/closed issues, you may find interesting stuff.

Contributing

From opening a bug report to creating a pull request: every contribution is appreciated and welcome. If you're planning to implement a new feature or change the api please create an issue first. This way we can ensure that your precious work is not in vain.

Issues

If you are having configuration or setup problems, please post a question to StackOverflow. You can also address the question to us in our Gitter chatroom

If you have discovered a bug or have a feature suggestion, feel free to create an issue on Github.

Submitting Changes

After getting some feedback, push to your fork and submit a pull request. We may suggest some changes or improvements or alternatives, but for small changes your pull request should be accepted quickly.

Some things that will increase the chance that your pull request is accepted:

- Follow the existing coding style
- Write a good commit message

Licenses

It is **all open-source**! jsartoolkit5 is under LGPLv3 license and additional permission. And all my code in the AR.js repository is under MIT license. :)

For legal details, be sure to check jsartoolkit5 license and AR.js license.

Full Changelog: AR.js changelog

Releases

14 tags

Packages

No packages published

Contributors 10





















Languages

JavaScript 55.8%

HTML 33.9%

Makefile 2.5%
 GAP 1.9%

● Brainfuck 1.9% ● C 1.9%

Other 2.1%