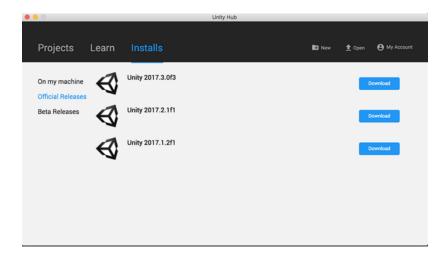
STEP BY STEP PROCEDURES FOR MAKING A PROFESSIONAL AUGMENTED REALITY

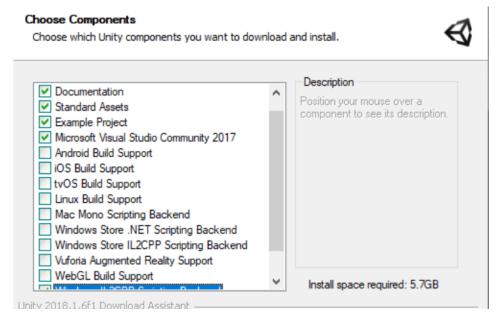
Powered By: Mohammad Sefidgar

Installation of Unity and Unity Hub.

Install Unity Hub

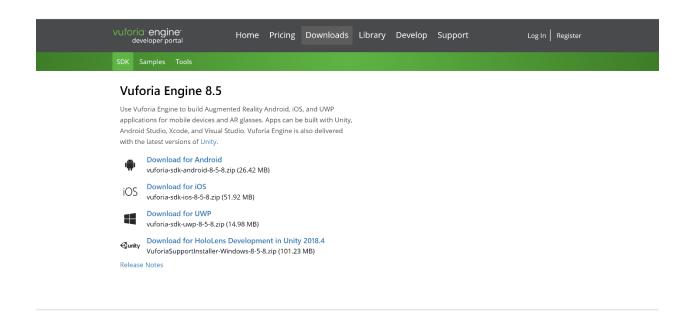


Important Notice: Make sure Unity is installed in Unity Hub direction and WebGL Build Support is checked when choosing installation components during the installation of Unity.



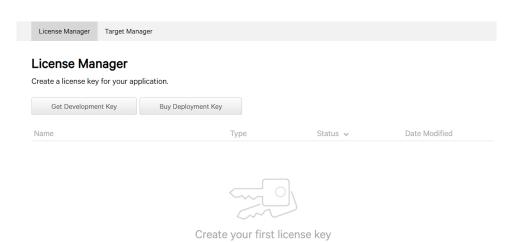
Download Vuforia extension for unity and Perform essential steps to make Target Image detectable with application.

• Download and install executive file from Vuforia download website.



Generating a License Key

1. Go to the License Manager page and click the "Get Development Key" button.



2. Add a desired name for your app in the "App Name" box. Check the confirmation box to accept the Vuforia Developer Agreement.

License Manager

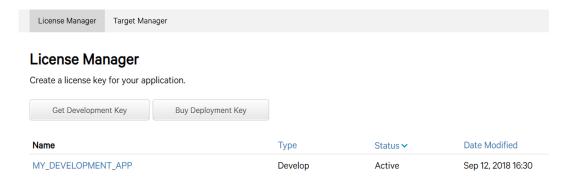
Target Manager

Back To License Manager

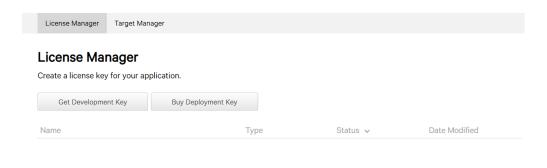
Add a free Development License Key

App Name | You can change this later License Key Develop Price: No Charge Reco Usage: 1,000 per month Cloud Targets: 1,000 VuMark Templates: 1 active VuMarks: 100 By checking this box, I acknowledge that this license key is subject to the terms and conditions of the Vuforia Developer Agreement. Cancel Confirm

3. Press "Confirm". Your new license will appear in the License Manager.

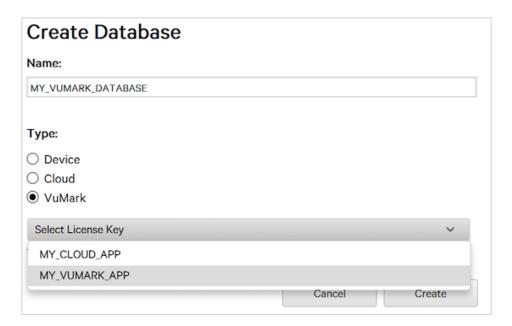


4. Uploading Image Targets inside Vuforia

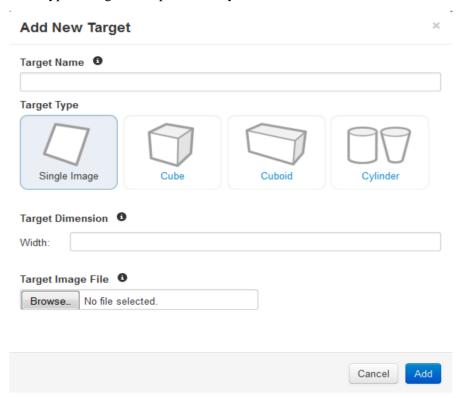


Create your first license key

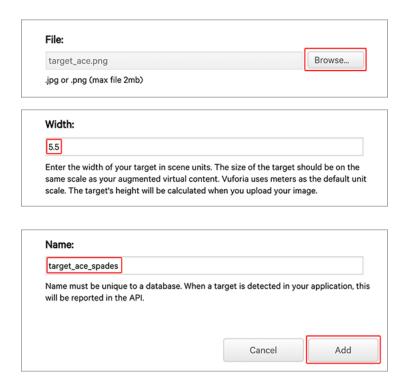
5. Tab Target management and click create Database button.



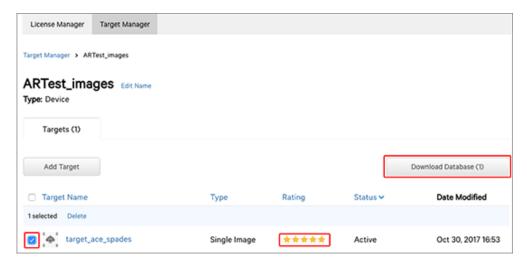
6. Choose type of target to be processed by Vuforia.



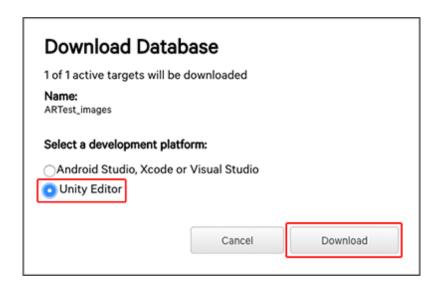
7. Upload target image and set width of the object.



8. Check the Rating to make sue the application will recognize target image correctly.

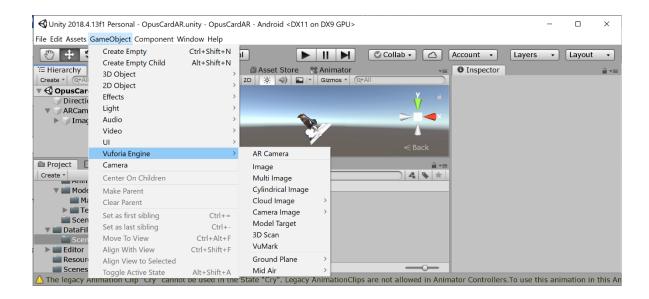


9. Click Download Database set the "select a development platform" to "Unity Editor".



Setting Vuforia Engine for Augmented Reality.

1. Delete the defaults camera view and add AR camera from GameObject>Vuforria Engine.

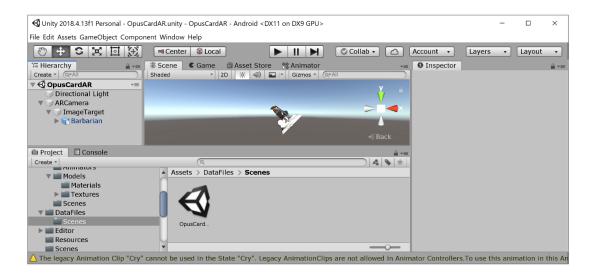


Importing 3d Model and corresponding tuning for AR

1. Projecting Barbarian 3D Model on Image Target from Unity Asset Store:



2. Make the Image target the child of ARCamera and the 3D barbarian model child of ImageTarget.



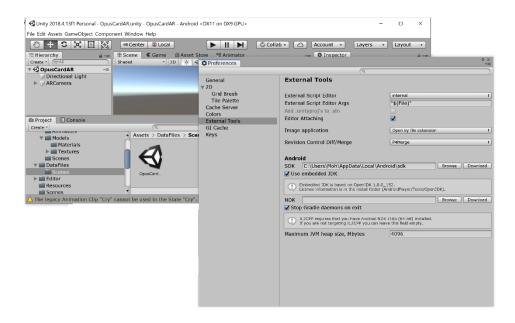
Installation of Android Studio Software

Download android studio SDK and follow procedures for installation.



Setting Unity for building process.

From EDIT>PREFERENCES>EXTERNAL TOOLS>SDK set the write link between Android Studio and Unity.



Building the apk file for App

With carrying out some setting and pressing Build Button the Android app will be made.

