Google Cloud Vision

• Intro:

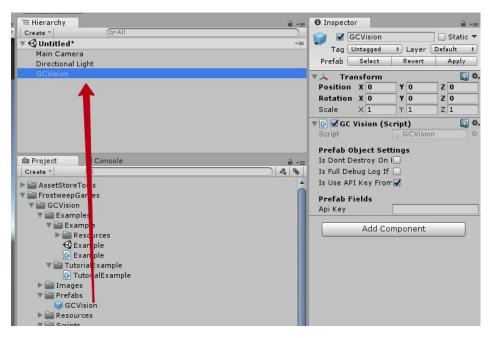
Google Cloud Vision enables developers to understand the content of an image. It quickly classifies images into thousands of categories (e.g., "sailboat", "lion", "Eiffel Tower"), detects individual objects and faces within images, and finds and reads printed words contained within images. You can build metadata on your image catalog, moderate offensive content, or enable new marketing scenarios through image sentiment analysis. Analyze images uploaded in the request or integrate with your image storage on Google Cloud Storage.

How to use:

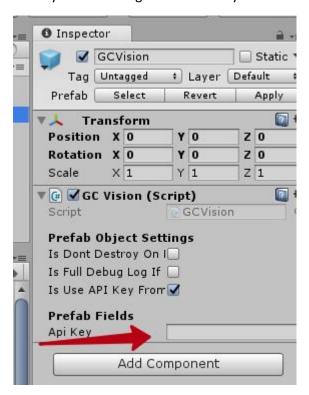
Create you first an app example:

Create the script with and name it 'TutorialExample':

Drag n Drop the Prefab of GCVision into the scene:



Insert your own Google Cloud API Key into this field:



Create the variable for the GCVision and get an instance of an object:

```
TutorialExample.cs  

Assembly-CSharp  

Dusing System.Collections;

using System.Collections.Generic;
using UnityEngine;
using FrostweepGames.Plugins.GoogleCloud.Vision;

Oreferences

public class TutorialExample : MonoBehaviour

private GCVision _gcVision;

// Use this for initialization
Oreferences

void Start ()

gcVision = GCVision.Instance;
```

Then you should subscribe on the events:

Create the Annotation request:

With one Feature – TEXT_DETECTION and maximum results = 50, where ImageSource->imageUri is the our link to the image.

Then you can call the method with link to the image:

```
void Start ()
{
    _gcVision = GCVision.Instance;

    _gcVision.AnnotateSuccessEvent += _gcVision_AnnotateSuccessEvent;
    _gcVision.AnnotateFailedEvent += _gcVision_AnnotateFailedEvent;

AnnotateImage("http://fabricjs.com/article_assets/2_7.png");
}
```

When the Annotation request will be successful, will be fire the AnnotateSuccessEvent.

Handle the Text Detection:

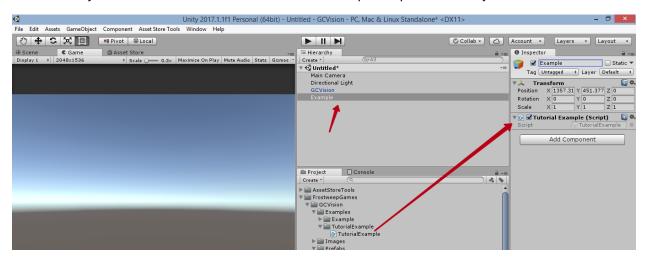
```
private void _gcVision_AnnotateSuccessEvent(VisionResponse arg1, long arg2)
{
    foreach (var response in arg1.responses)
    {
        Debug.Log(response.fullTextAnnotation.text);
    }
}
```

When the Annotation request will be failed, will be fire the AnnotateFailedEvent.

Handle the event:

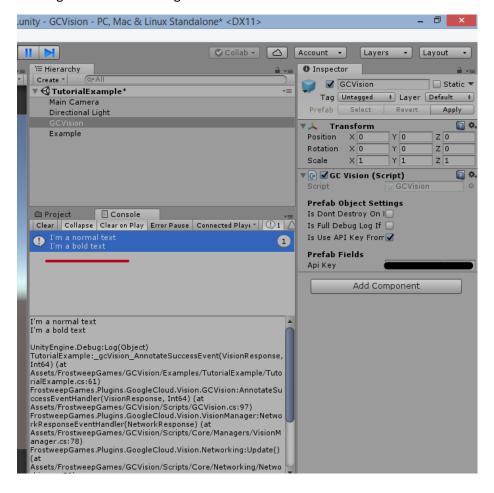
```
1reference
private void _gcVision_AnnotateFailedEvent(string arg1, long arg2)
{
    Debug.Log("Error: " + arg1 + " - " + arg2);
}
```

Create an object in the scene and attach the TutorialExample script into this object:



Then click on the Play button.

Waiting for the result and get:



That's all! So you can make your own image recognition using our plugin!

• Note:

- 1) The plugin does not cover the cost of the Google Cloud Service
- 2) Be sure to read the terms of service of Google Cloud Vision API

Versions changes:

1.0 – Implemented Google Cloud Vision API