

Voxel Importer



Version 1.1.8

Introduction

Thank you for purchasing "Voxel Importer".

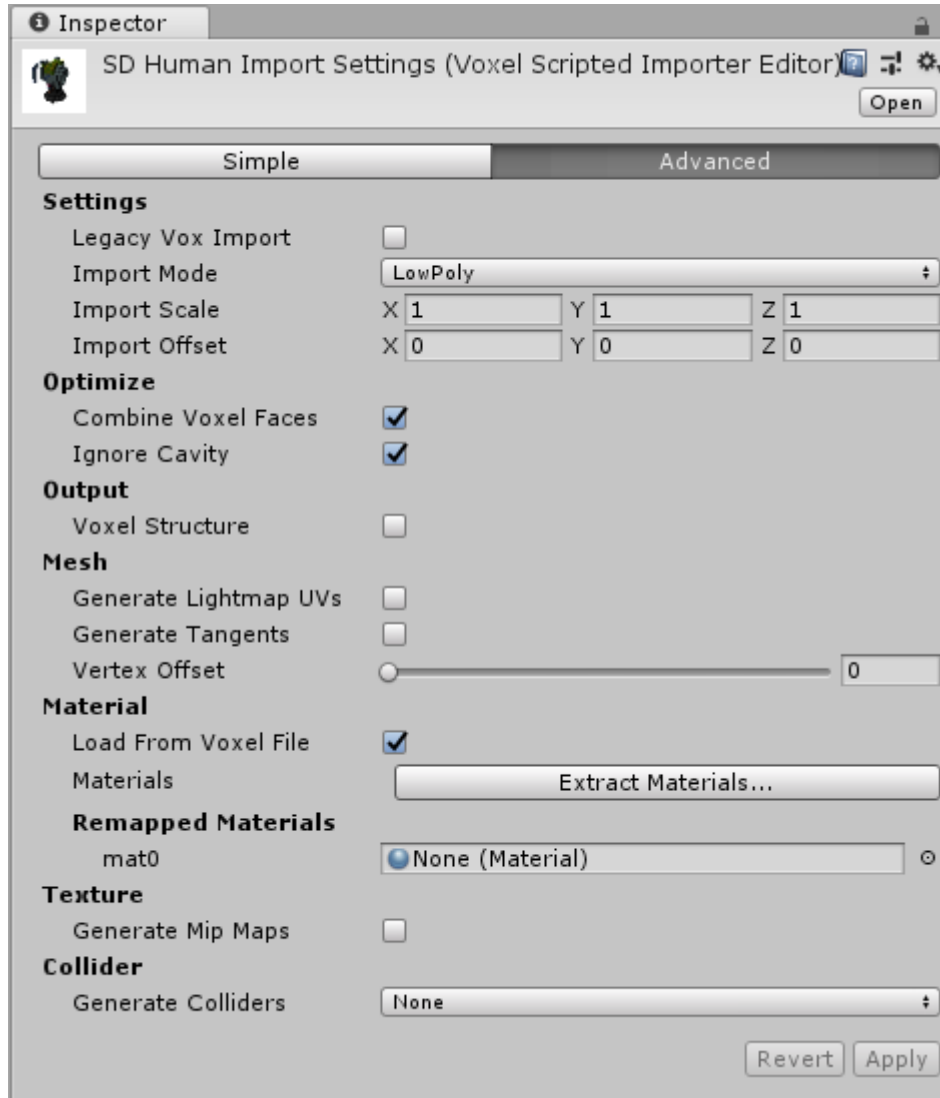
Table of contents

Voxel Importer.....	1
Introduction.....	2
Table of contents.....	2
Scripted Importer.....	3
Material change.....	3
Voxel Object.....	4
Procedure.....	5
Note.....	5
Voxel Skinned Animation Object.....	6
Procedure.....	7
Tutorial.....	9
Note.....	9
Voxel Chunks Object.....	10
Procedure.....	11
Note.....	11
Voxel Frame Animation Object.....	12
Procedure.....	13
Tutorial.....	14
Note.....	14
Extra.....	15
Explosion.....	15
Exporter.....	16
Import material stored in MagicaVoxel file.....	16
Video.....	17
Support.....	17

Scripted Importer

Importing vox and qb files into the Unity project automatically automatically converts to Voxel Object and can be used as Prefab.

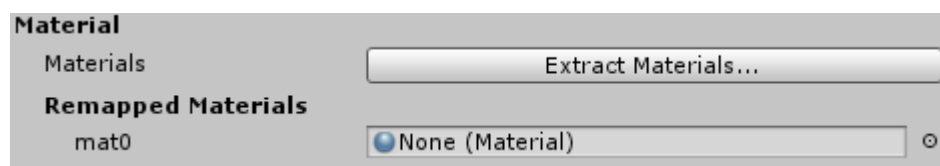
This function is valid only for Unity 2017.1 and later.



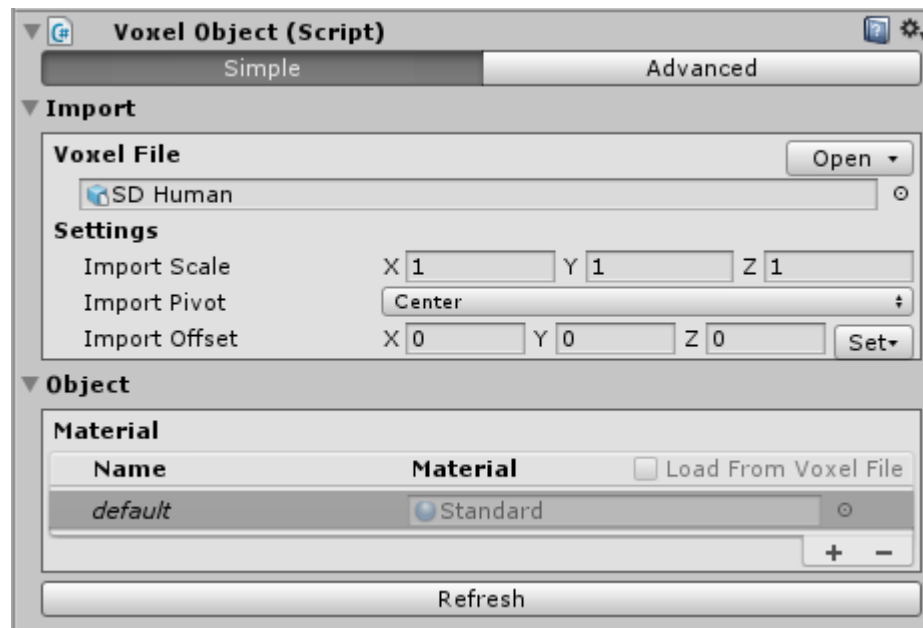
Material change

To change the material, you need to save the material as a single asset by pressing the button.

This function is available in Unity 2017.4.1 and later with bug (Issue ID 1012200) fixed.



Voxel Object



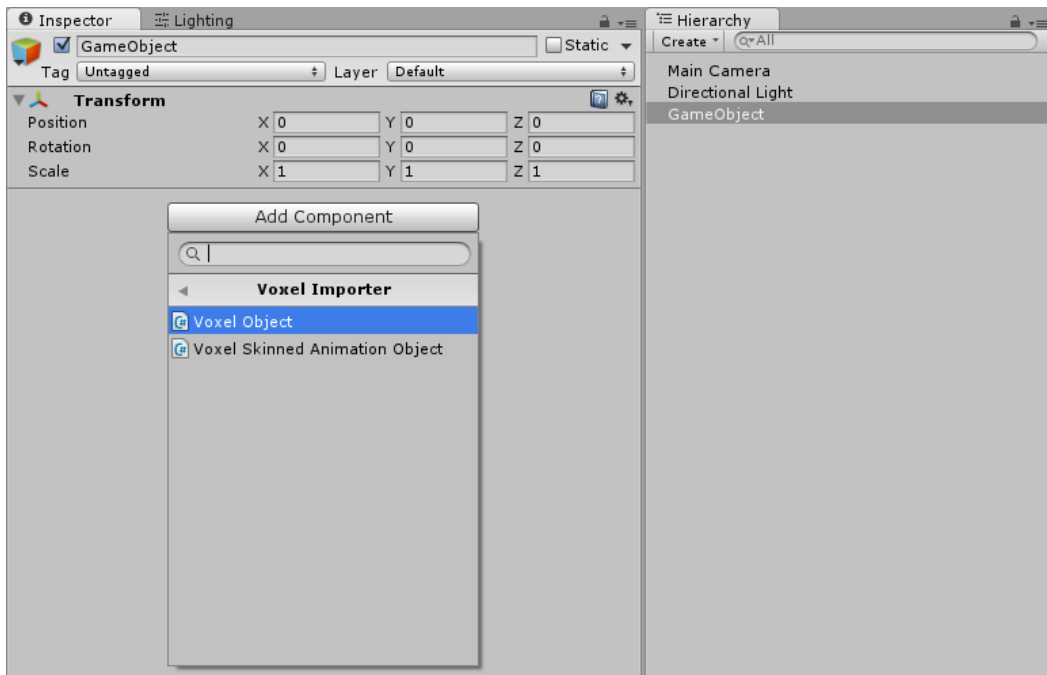
**It applies to the basic fixed object.
And it generates an optimized mesh.**

Component/Voxel Importer/Voxel Object

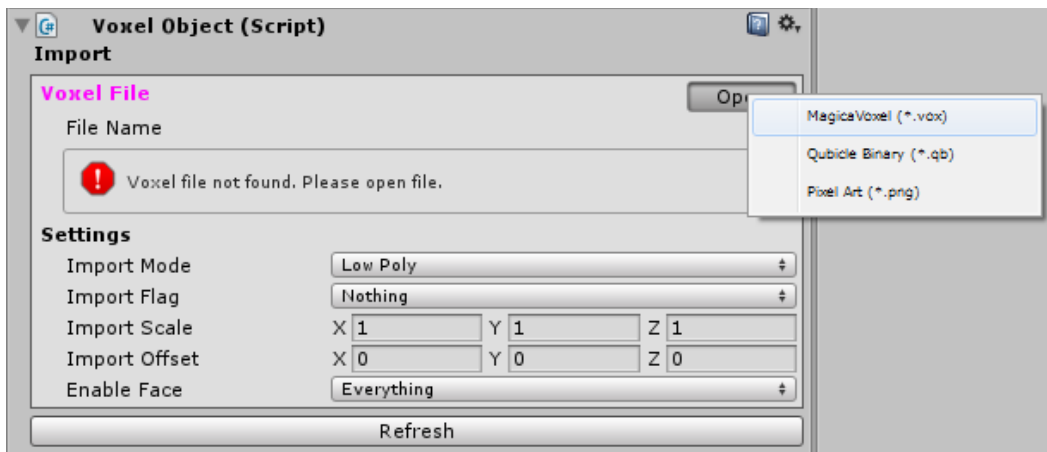
Procedure

Create an empty GameObject.

Add the "Voxel Importer / Voxel Object" component.



Opening a voxel file



Complete the creation of optimized mesh.

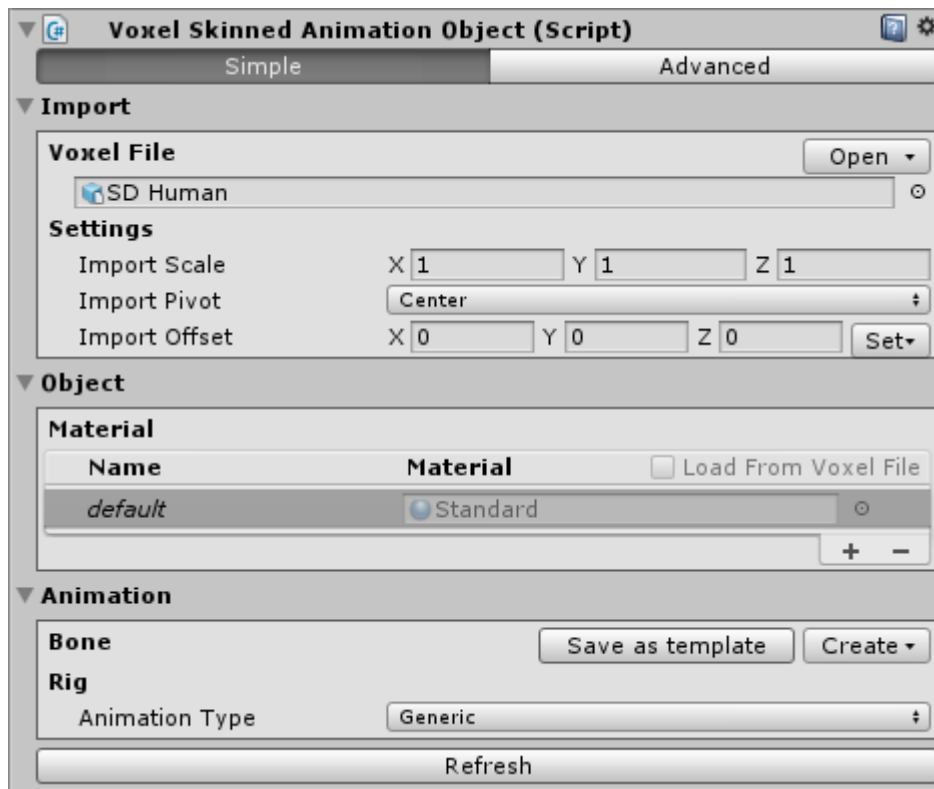
Note

This script only works in the editor.

The mesh is generated pre-build and therefore does not require additional resources at runtime.

In the case of build, it does not retain substantially all of the information.

Voxel Skinned Animation Object



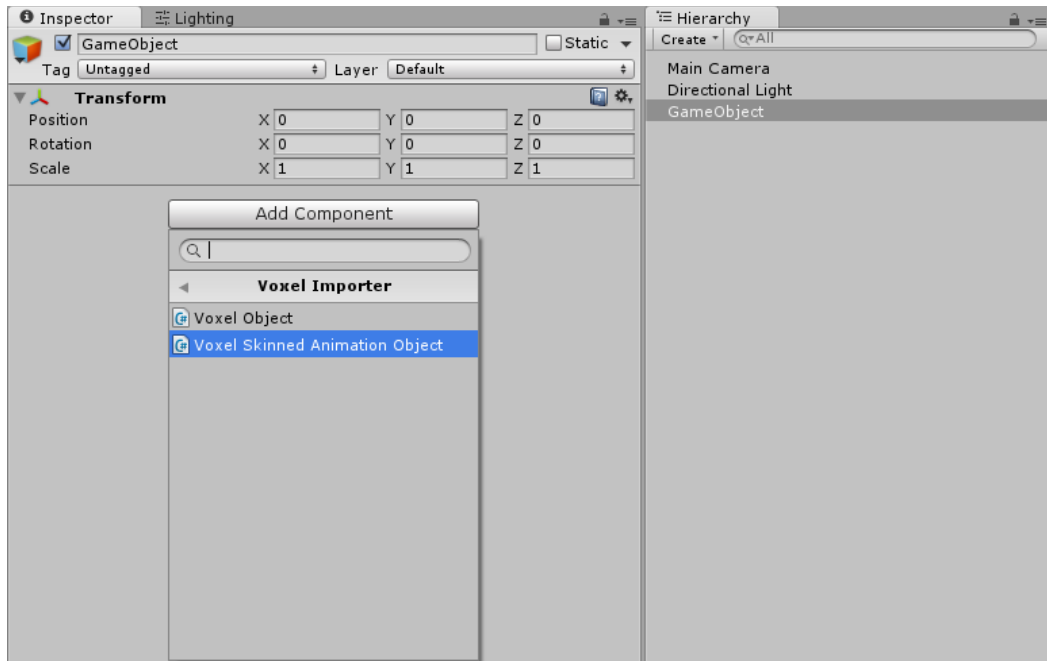
Apply to the animation object.
And it generates an optimized mesh.

Component/Voxel Importer/Voxel Skinned Animation Object

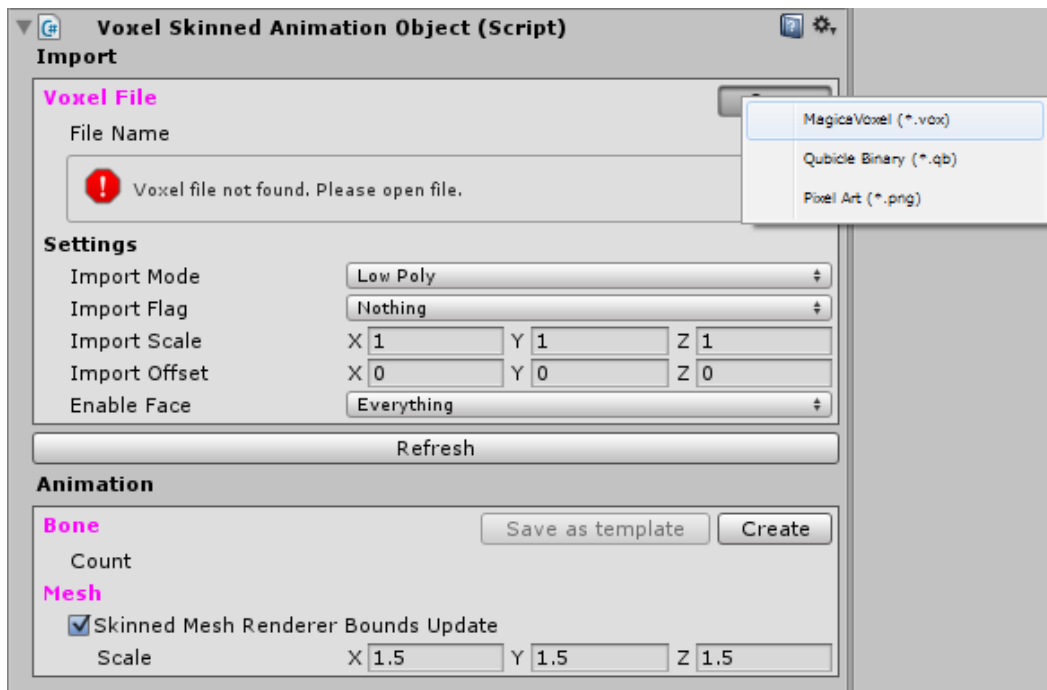
Procedure

Create an empty GameObject.

Add the "Voxel Importer / Voxel Skinned Animation Object" component.

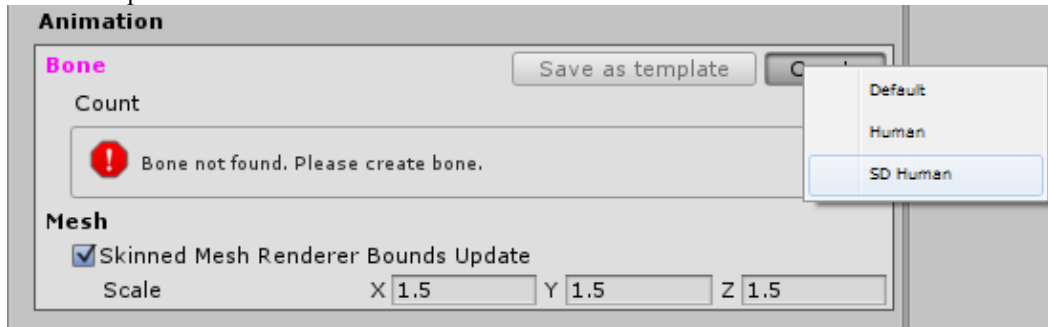


Opening a voxel file.



To change the center position "Import Offset" adjustment.

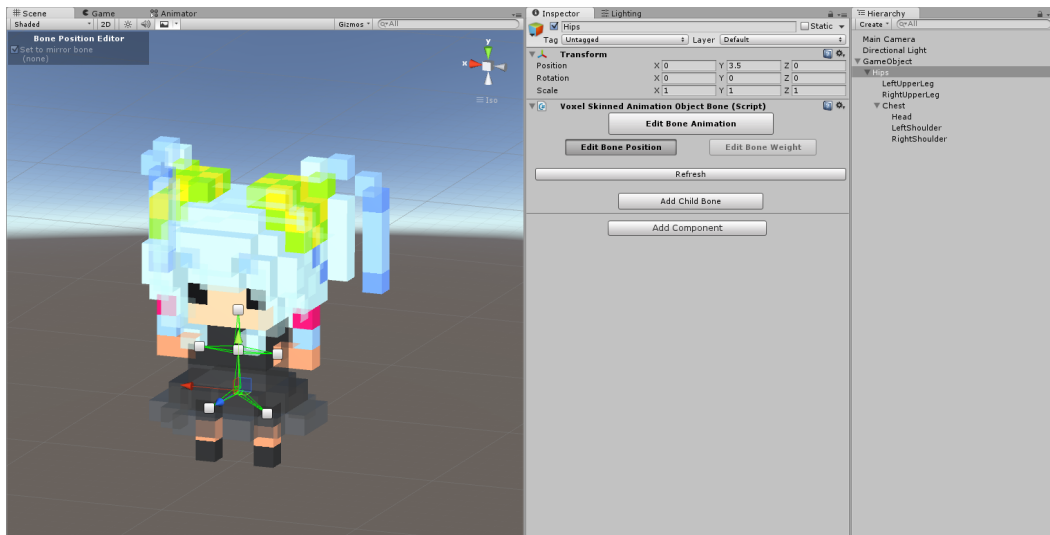
Create bones from a template.



Select the bone.

Press the "Edit Bone Position" button.

Adjust the bone in the proper position.

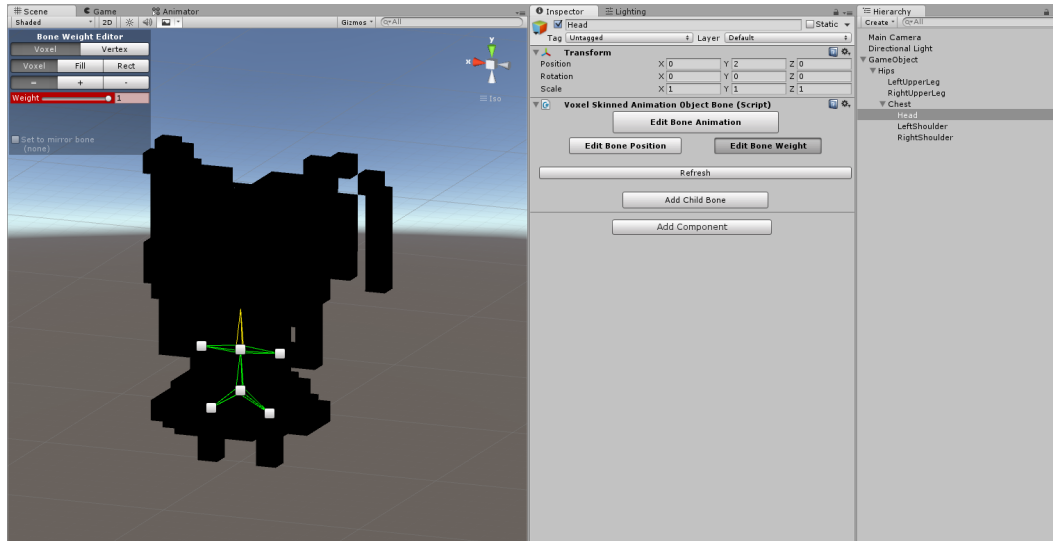


If necessary, add a bone in the "Add Child Bone" button.

Select the bone.

Press the "Edit Bone Weight" button.

Do the weight painting.



Complete the creation of skinned mesh.

Tutorial

[Character setup tutorial](#)

[Character setup tutorial2](#)

[Non-humanoid setup tutorial](#)

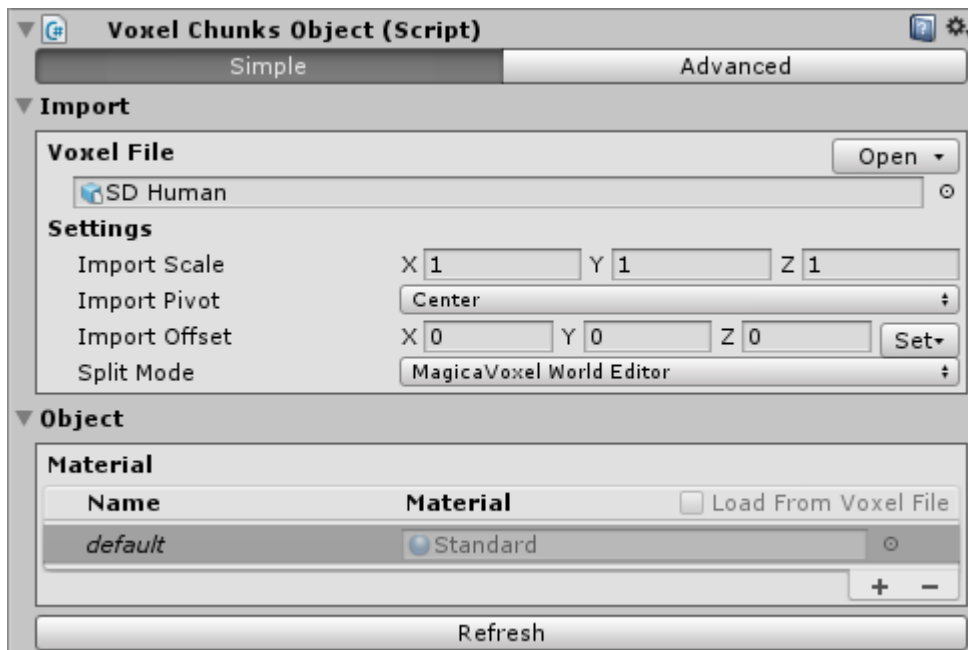
Note

This script only works in the editor.

The mesh is generated pre-build and therefore does not require additional resources at runtime.

In the case of build, it does not retain substantially all of the information.

Voxel Chunks Object



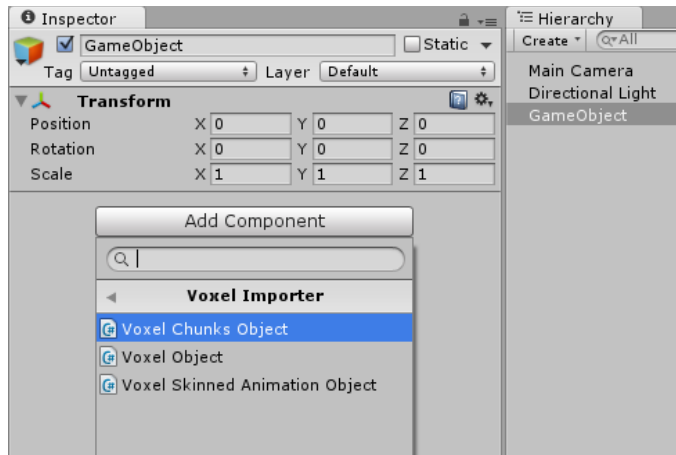
To split the voxel to create a mesh.
It is used for cases such as exceeding a huge 65,000 vertex.
In addition, you can split in Qubicle Matrix.

Component/Voxel Importer/Voxel Chunks Object

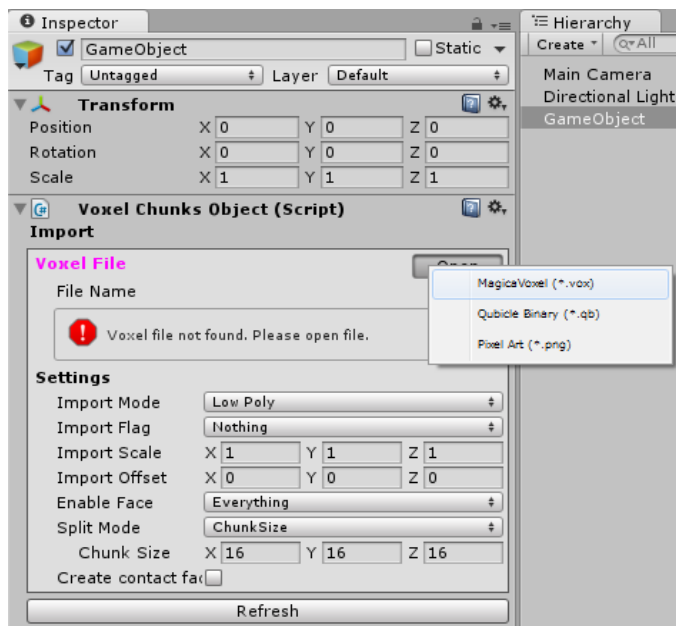
Procedure

Create an empty GameObject.

Add the "Voxel Importer / Voxel Chunks Object" component.



Opening a voxel file.



Complete the creation of optimized mesh.

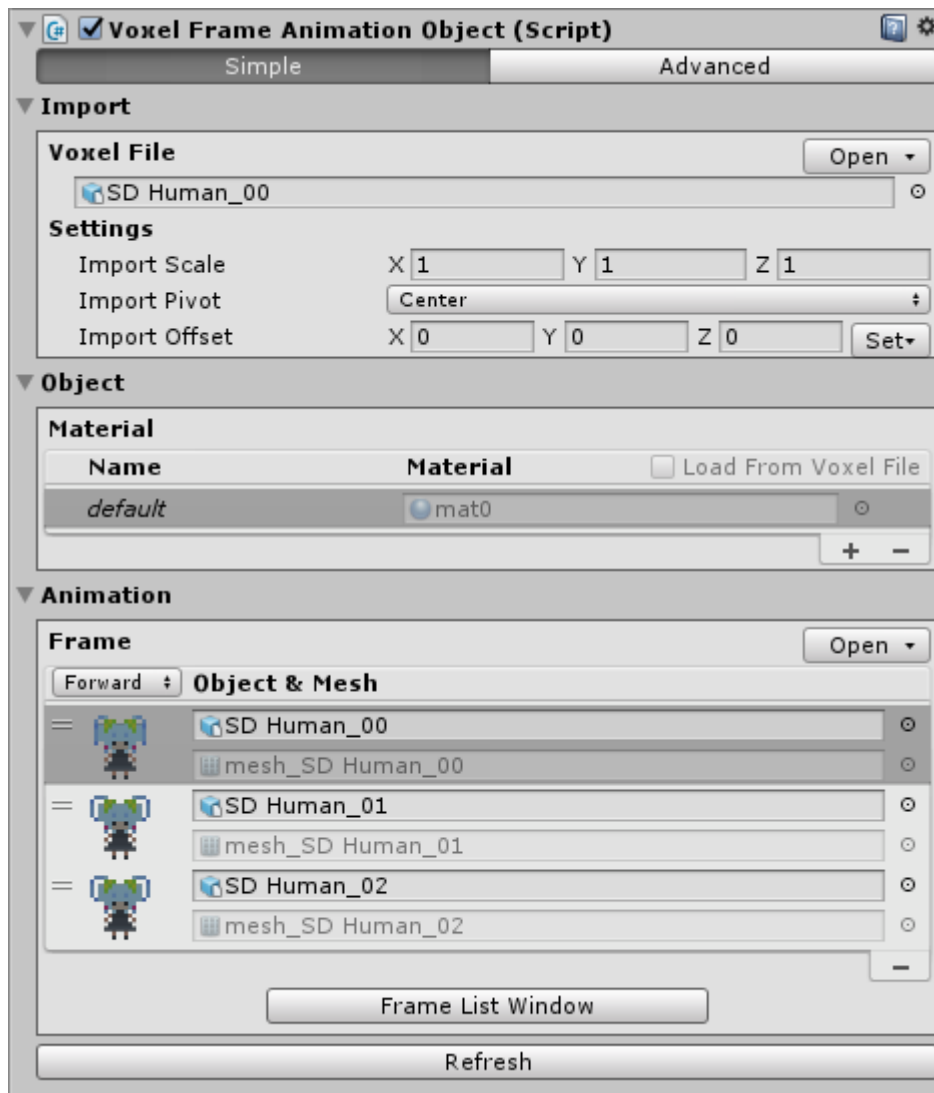
Note

This script only works in the editor.

The mesh is generated pre-build and therefore does not require additional resources at runtime.

In the case of build, it does not retain substantially all of the information.

Voxel Frame Animation Object



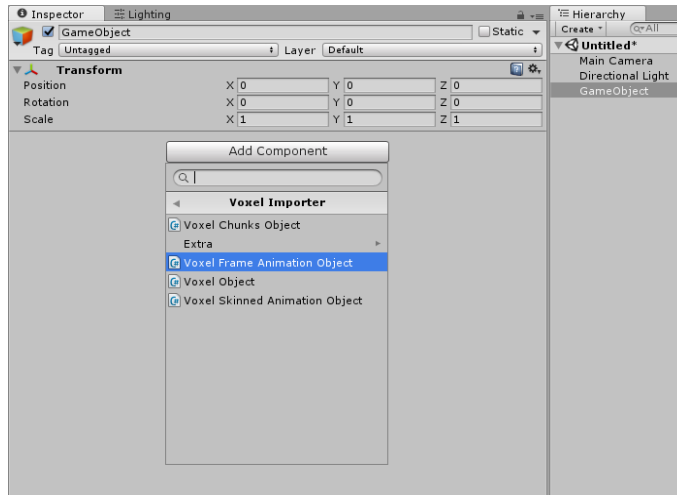
Frame animation object.

Component/Voxel Importer/Voxel Frame Animation Object

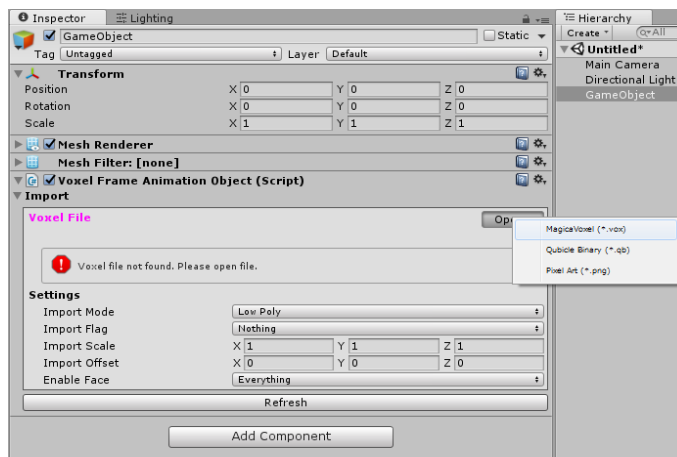
Procedure

Create an empty GameObject.

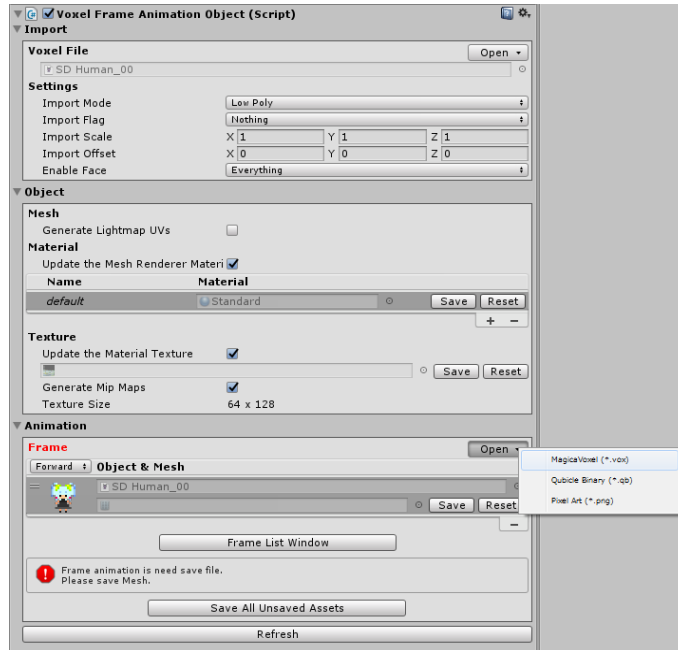
Add the "Voxel Importer / Voxel Frame Animation Object" component.



Opening a voxel file.



To add all of the voxel files necessary to Frame.



It creates an Animator to create the animation.

Tutorial

[Frame animation tutorial](#)

Note

This script only works in the editor.

The mesh is generated pre-build and therefore does not require additional resources at runtime.

In the build done only switching of Mesh and Material.

Extra

“Voxel Importer/Extra”

Expansion feature.

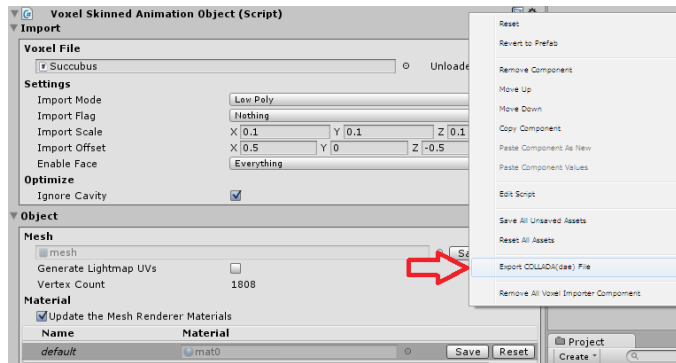
Explosion

“Voxel Importer/Extra/Explosion”

To represent the explosion production by adding to each object.

Exsample Path : “Voxel Importer/Exsample/VoxelExplosion”

Exporter



Export the Collada file.

We are checking the import in Unity, Blender.

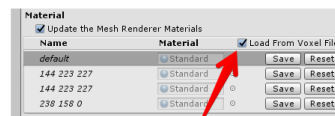
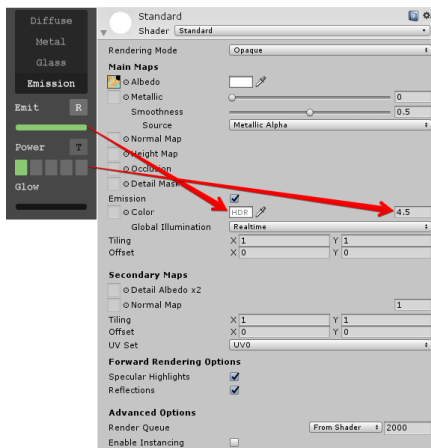
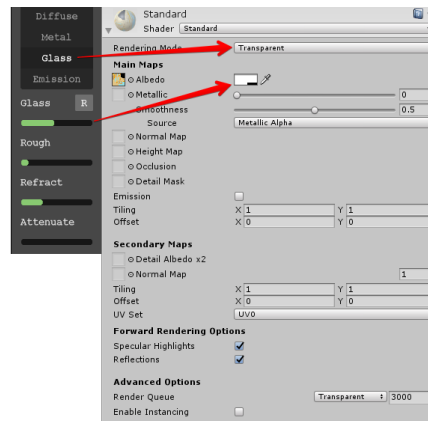
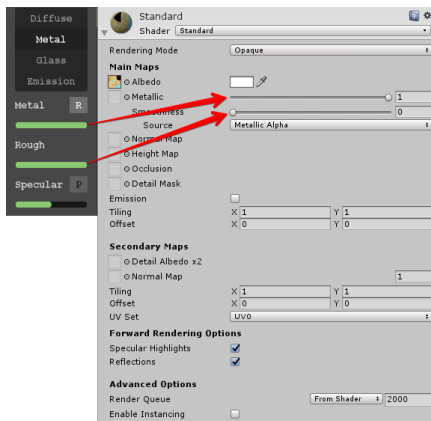
You can import it in Blender and export it in another format (such as fbx).

https://youtu.be/-CAMILxhd_E

Import material stored in MagicaVoxel file

It will not be exactly the same, but you can import the material so that it is as equal as possible.

It is reflected only in Standard Shader. The following contents are reflected.



Material is updated only when this flag is enabled.

Video

Mecanim Quick Start

<https://youtu.be/hkudVsxtxn4>

Sample of optimization

<https://youtu.be/4MXL7StGkgI>

Voxel Chunks Object

<https://youtu.be/9Fh5WRbrIGE>

Frame Animation

<https://youtu.be/rg6KhqDq-bU>

Support

Twitter

<https://twitter.com/AlSoSupport>

Mail

support@alonesoft.sakura.ne.jp