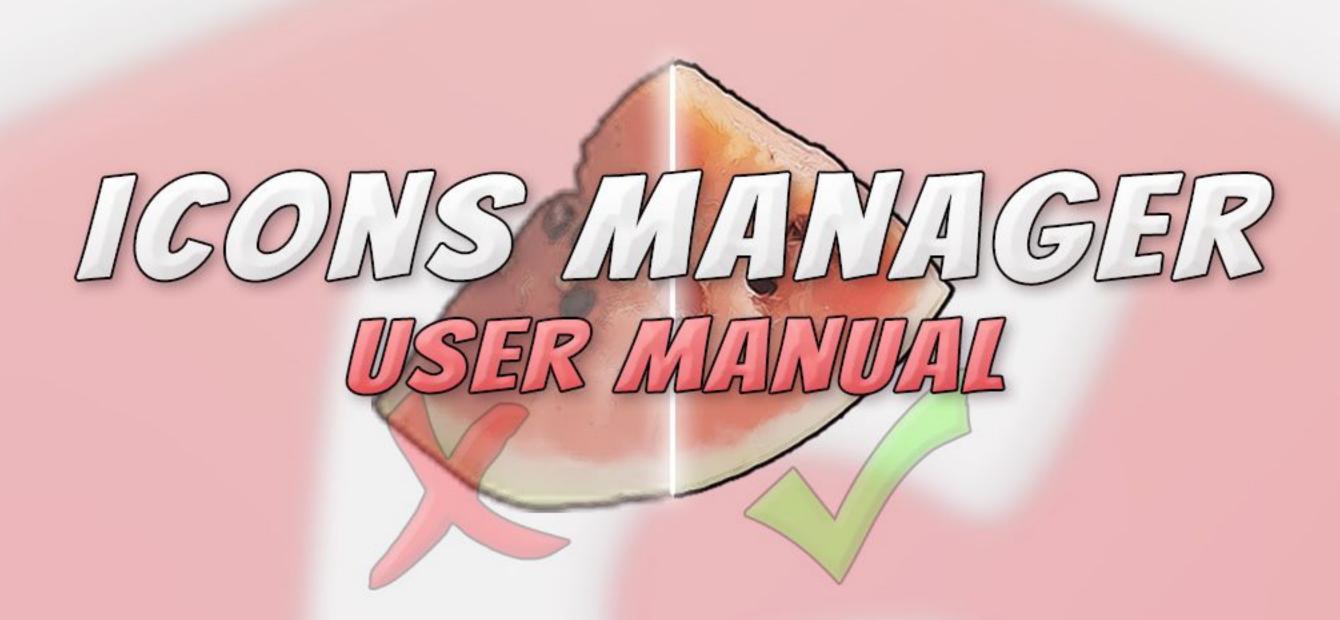
FINDOSSIBLE GANES



7. BASE MOULEDGE 2. USING IGONS MANAGER 3. BONUS TOOLS

INTRODUCTIONS

ICONS MANAGER IS SYSTEM WHIGH IS
LOADING SPRITES, RESCALING THEM WITH
SMART ALGORITHM AND MANAGING MEMORY.
IT'S DEDIGATED TO USE WITH UI IMAGES.

YOU GAN GHOOSE IMAGE FILES TO BE RESCALED AND USED AS SPRITES BY PROUDING PATH TO STREAMING ASSETS, ONLINE ADRESS, RESOURGES DIRECTORY PATH OR PROUDING TEXTURE FILE FROM PROJECT'S ASSETS DIRECTORY.

SUPPORT FOR ADDRESSABLES IS ALSO PROVIDED, JUST IMPORT ADDRESSABLES SYSTEM TO YOUR PROJECT

IF YOU WILL LINE THIS PAGNAGE PLEASE WISH PAGE ON ASSET STORE AND RATE OR WRITE REWEW D



7/3-BASE MOMEDGE

IGONS MANAGER IS LOADING TEXTURE FILES AND USING THEM TO GENERATE SCALED SPRITES.
FOR EXAMPLE YOU GAN USE ONE FILE IN 253X253 SIZE.
IGONS SCALER GAN GENERATE DIFFERENT, GREAT LOOKING SPRITES IN DIFFERENT DIMENSIONS LIKE
32X52 OTHER IN GOXGO OTHER IN TGOXTGO



FOR EAGH ICON SIZE, THERE IS GENERATED ONE SPRITE, THEN UI IMAGES
GAN USE THIS ONE SPRITE IN A SHARED WAY.

ON THE LEFT - GENERATED SPRITE IN SOXISO FROM 512X512 SOURGE FILE ON THE RIGHT - UI SCALED 512X512 FILE

IGONS MANAGER SYSTEM IS MANAGING MEMORY IN EFFICIENT WAY.
YOU GAN DEFINE HOW MUGH MEMORY GAN BE USED UNTIL NOT USED SPRITES SHOULD BE
UNLOADED. MEPING NOT USED SPRITES IN MEMORY IS IMPORTANT BEGAUSE WHEN FOR
EXAMPLE YOU GLOSE AND OPEN WHOLE INVENTORY WINDOW FEW TIMES IN ABOUT MINUTE,
SPRITES WILL NOT NEED TO REALOAD EAGH TIME BUT WILL BE WEWED RIGHT AWAY.

WITH DEBUGGING WEW YOU GIN EASILY GHEGK WHAT IS GOING ON WITH YOUR LOADED SPRITES AND TEXTURES, HOW MANY IMAGES ARE USING GERTAIN SPRITES AND HOW MUGH MEMORY THEY TAKE.

Draw Details

YOU GAN DEFINE IF IMAGES WITH UNAGINE GAME OBJECTS SHOULD BE TREATED AS NOT NEEDED THEN UNLOADED WHEN MEMORY UMIT IS EXGEEDED AND LOADED AGAIN WHEN GAME OBJECT BECOMES ACTIVE AGAIN.

VOU DON'T MEED TO READ THIS IF VOURE MOT GURIOUS

EAGH TEXTURE CONTAINER HAVE OWN ID
STORED AS HASH OF IT'S PATH TO TEXTURE
FOR MANAGER TO QUIGMY NAVIGATE BETWEEN
THEM AND TO IDENTIFY THEM WHEN NEEDED.

EAGH SPRITE HAVE OUT ID FOR IT'S TEXTURE CONTAINER TO QUIGNLY NAVIGATE AND IDENTIFY THEM.

TO GENERATE SPRITE, ALGORITHM NEEDS TEXTURED DATA WITH READ/WRITE ENABLED, THIS OPTION IS TAKING MORE MEMORY BUT AFTER WE GET PIXEL ARRAY OF TEXTURE, SYSTEM IS UNLOADING TEXTURE

WITH READ/WRITE ENGBLED SO WE USE LOWEST AMOUNT OF MEMORY.

Containers Sprites cloaks.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 14 gloves.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 15 ingots.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 16 Loaded book.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 17 Unloaded | RPG_inventory_icons/book.PNG | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 helmets.png 54x54 F: Silinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 18 oaded f.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 19 oaded coins.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 20 apple.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 5 References | Active: 5 | Last Use: 21 boots.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 4 References | Active: 4 | Last Use: 22 Loaded necklace.PNG 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 23 Unloaded | RPG_inventory_icons/necklace.PNG | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 shield.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 24 Unloaded | RPG_inventory_icons/shield.png | ID: 304688 137x137 | References: 1 | Filter: Bilinear | Active: 0 Loaded sword.png 54x54 F: Bilinear | ID: 120096 | 0.01mb | 3 References | Active: 3 | Last Use: 25

WHEN LOADING TEXTURE WHIGH DON'T HAVE READ/WRITE ENABLED (ONLY WHEN LOADING FROM RESOURCES OR ASSETS FOLDER TEXTURE FILE) WE RENDERING READABLE TEXTURE WITH RENDER TEXTURE GETTING PIXELS ARRAY THEN UNLOADING RENDERED TEXTURE.



2/3-USING IGONS MANAGERE

TO USE ICONS MANAGER, ADD FICONS MANAGER
COMPONENT TO NEW EMPTY GAME OBJECT ON THE SCENE.

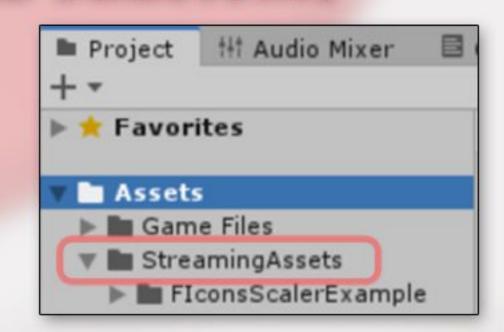
TO GENERATE SPRITE IN NEW SIZE YOU GAN USE FIGURE LOADER COMPONENT, OR YOU GAN LOAD EVERYTHING FROM GODE WITH METHODS WITH

```
□using UnityEngine;
 using UnityEngine.UI;
                                        USING ICONS SCALER NAMESPACE
 using FIMSpace.FIcons;
■public class TestLoading : MonoBehaviour
                                         IMAGE TO WHICH WILL BE ASSIGNED NEW SPRITE
     public Image myUIImage;
     void Start ()
                                                                     It also can be any number like 60
                                PATH TO STREAMING ASSETS
        int imageSize = (int)myUIImage.rectTransform.sizeDelta.x; // Size of UI image
        FIcons_Manager.Get.LoadSpriteManaged("FIconsScalerExample/Mask 1.png", myUIImage, imageSize);
                                REQUESTING IMAGE TO BE LOADED
```

FICONS_MANAGER WILL TAKE CARE OF THE REST. TO UNLOAD IMAGE VOU DESTROY GAME OBJECT WITH IT, OR DISTIBLE IT IF YOU DEFINED TO UNLOSD DESCRIPTING OBJECTS IN IGONS MANAGER INSPECTOR WINDOW. (IMAGES WILL BE UNLOADED WHEN MEMORY USE UMIT EXGEEDS))

TO BE ABLE TO LOAD FROM STREAMING ASSETS, YOU NEED TO HAVE STREAMINGASSETS DIRECTORY INSIDE YOUR ASSETS FOLDER, AFTER MAKING BUILD UNITY IS AUTOMATICALLY MOUNG FILES FROM THIS DIRECTORY TO BUILD DIRECTORY.

MITTE LOUDSPRITE MANAGED (O) METILIOD VOU GIN DEFINE FROM WHERE YOU WANT TO LOAD TEXTURE GLOOSE MAGE TO WHIGH SPRITE SHOULD BE ASSIGNED AFTER LOADING SUGGESS. DEFINE DESIRED WIDTH AND HEIGHT OF SPRITES DEGIDE IF USE OR NOT ANIMATION WHEN SPRITTE IS BEING GENERATED.



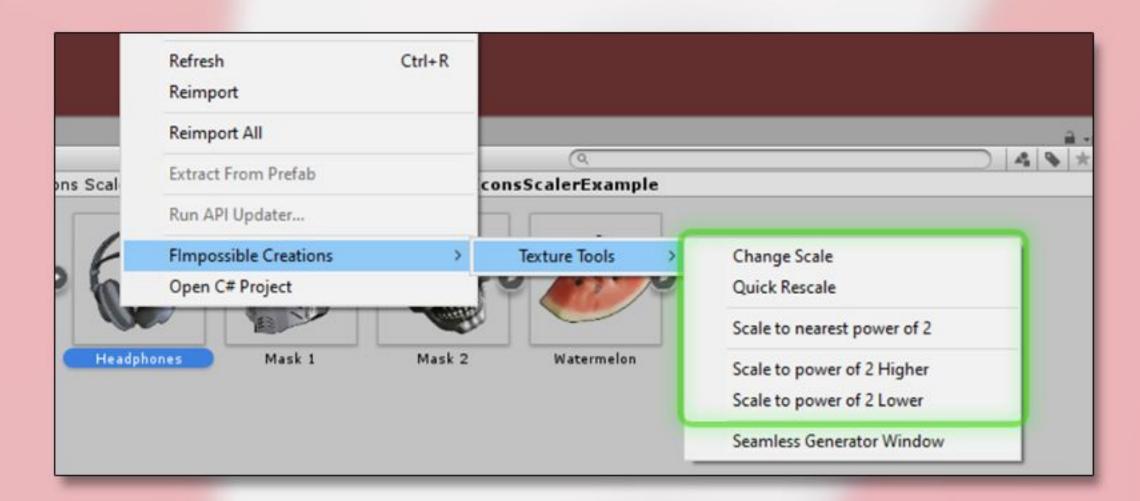
STREAMING ASSETS FOLDER IN ASSETS DIRECTORY OF THE PROJECT

FILTER OPTION IS UNITY'S WAY TO WEW IMAGES WITH POUT YOU GET SHARPEST LOOK BUT WHEN YOU MOUE IMAGE IN VIEW SLOWLY, MOTION WILL BE LESS SMOOTH THAN WHEN YOU USE BUNGER OR TRUMER, ALSO THIS TWO OPTIONS ARE NIGE WHEN YOU NEED TO SCALE SPRITE A BIT AFTER RESCALING WITH IGONS SCHLER SET NATIVE SIZE WILL SET IMPGE COMPONENT SIZE TO BE THE SAME AS CENERATED SPRITE.



3/3-BONUS TOOLSH

IGONS MANAGER GOMES WITH ADDITIONAL HANDY TOOLS TO BE USED JUST INSIDE UNITY EDITOR, RIGHT GUGK ON ANY SPRITE FILE INSIDE YOUR PROJECT, THEN ENTERS



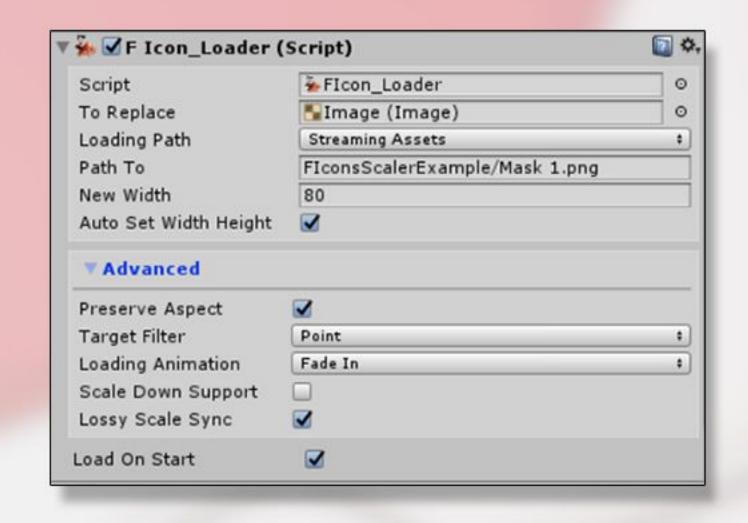
YOU GAN SCALE MULTIPLE FILES TO ANY RESOLUTION. (SUPPORTING JPG PNG JERR. TGA FORMATS)

TEXTURES WITH RESOLUTION POWER OF TWO ARE ENSULY COMPRESSED BY UNITY MAKING BUILD MUCH SMALLER IN SIZE.

UNITE THIS TOOLS YOU GAN SCALE SOURCE IMAGE FILES.

WITH ICON LOADER COMPONENT YOU CAN
EASILY LOAD IMAGES INTO YOUR UI WITHOUT
ANY CODING, COMPOENNT PROVIDES ALL
NEGESARY FUNCTIONS FOR MANAGING SPRITES.

ENTER ON UNRABUES (NOT DURING PLAYMODE)
TO DRAW TOOLTIPS FOR PARAMETERS WHIGH
GAN BE HARDER TO UNDERSTAND IT'S
FUNGTIONALITY.



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