FINDOSSIBLE CREATIONS

OPTIMIZESS USER MANUAL

To COUGH GOUDE

2. COMPONENTS DESCRIPTION

3 USING OPTIMIZERS

43 OPTIMIZATION METHODS & PRESETS

5 ADMINGED FEATURES

INTRODUCTIONS

OPTIMIZERS IS PAGRAGE WITH COMPONENTS WHICH WILL GIVE YOU POSSIBILITY TO CHANGE QUALITY SETTINGS OF DIFFERENT COMPONENTS WHEN THEY ARE FAR FROM CAMERA, WHEN GAMERA IS NOT LOOKING AT THEM, OR WHEN OBJECTS ARE BEHIND WALLS

THIS SYSTEM IS USING CULLING GROUPS API AND OTHER SMART WAYS TO DETECT MOMENTS IN WHICH SETTINGS SHOULD BE CHANGED TO GIVE YOU MORE FPS!

IF YOU WILL LINE THIS PAGNAGE PLEASE WATT PAGE ON ASSET STORE AND RATE OR WRITE REVIEW &



7/5-QUICK GUIDE

TO USE OPTIMIZERS SIMPLY Add component TO YOUR CAME OBJECT. AFTER THAT OPTIMIZER IS AUTOMATICALLY TRYING TO FIND COMPONENTS FOR OPTIMIZATION ATTACHED TO THIS OBJECT. IF THERE IS NO COMPONENT TO OPTIMIZE IT IS TRYING TO FIND THEM IN CHILDREN.



BASIC OPTIMIZER IS THE MOST UNIVERSAL COMPONENT TO USE ON THE OBJECTS.

IF YOU WANT OPTIMIZE OBJECT WHEN BEHIND OBSTAGUES THEN USE ONE WITH DETECTION.

WITH OPTIMIZERS MANAGER VOU GAN DEFINE SOME WORLD RULES HELPING GORREGT OPTIMIZING.

INSPECTOR WINDOW FOR OPTIMIZER COMPONENT IS CAREFULLY DESIGNED TO MAKE YOU FOCUS ON RIGHT MODULES STIEP BY STIEP.

AT FIRST THERE ARE PARAMETERS FOR DETECTION THEN SELECTING COMPONENTS TO OPTIMIZE AND FINALLY LODS/QUALITY SETTINGS.

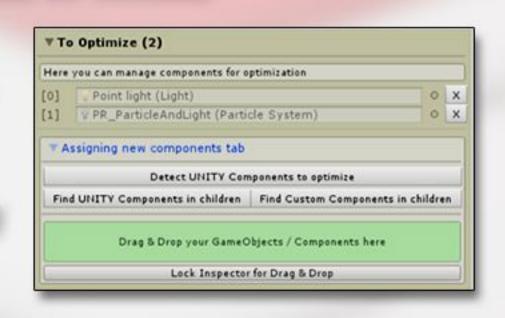
GHOOSE YOUR OPTIMIZATION METHOD, DETECTION BEHAVIOUR AND CONFICURE TO FIT WITH YOUR OBJECTS

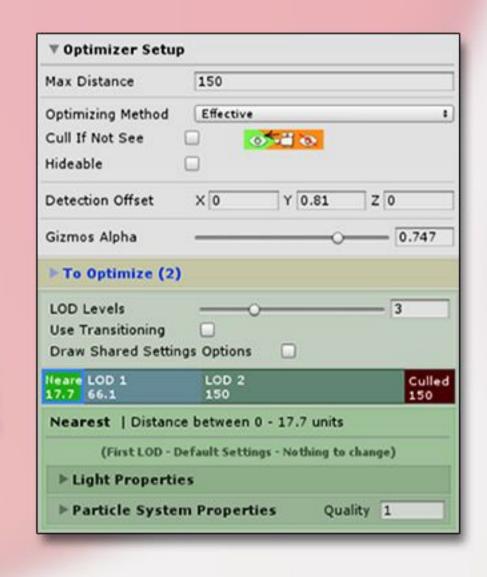
DEFINE HOW MANY LOD (QUALITY) LEVELS YOU WANT TO USE. YOU GAN GHANGE LOD LEVELS SMOOTHLY WITH TRANSITIONS.

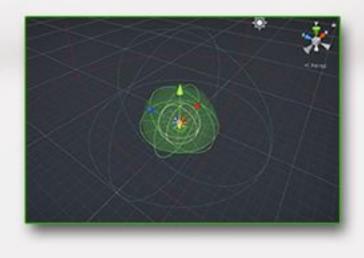
EVERY TIME YOU GHANGE COUNT OF LOD LEVELS THERE ARE AUTOMATICALLY GENERATIED QUALITY SETTINGS FOR THIS COUNT WHIGH YOU GAN FREELY MODIFY

CLOUD IS SHORTGUT FOR LEVEL OF DETAILS

BY DEFENUE OPTIMIZER IS
SEARCHING ONLY FOR UNITY
COMPONENTS BUT YOU CAN
PUT HERE CUSTOM
MONOBEHAVIOURS BY
DRAGSDROP TO FIELD INSIDE
"TO OPTIMIZE" TABLE









215-COMPONENTS DESCRIPTIONS



OPTIMIZERS MANAGER THIS COMPONENT DON'T NEED TO EXIST WHEN YOU USE ONLY STATIC OPTIMIZERS AND NOT USING LOD TRANSITIONS.

IT'S HANDLING UPDATE OF DYNAMIC OPTIMIZATION, ADAPTING TO GAME PERFORMANCE AND SMOOTH TRANSITIONING BETWEEN LOD LEVELS.

IT'S RECOMMENDED TO USE PERSIST THROUGH SCENES' SO IT WILL STILL EXIST WHEN YOU WILL CHANGE SCENES DURING CAMERLAY BUT IT WILL BE CENERATED AUTOMATICALLY ANYWAY WHEN NEEDED AND NOT EXISTING VET.

THERE ARE SOME PARAMETERS INSIDE IT YOU NEED CONFIGURE TO MAKE IT FIT TO YOUR GAME WORLD.



OPTIMIZER BASIC OPTIMIZER COMPONENT WITH POSSIBILITIES TO CULLO OBJECT OR CHANGE LOD QUALITY SETTINGS IN DEFINED DISTANCE LEVELS OR HIDE WHEN CAMERA WILL LOOK IN DIFFERENT DIRECTION.

THIS COMPONENT HAVE ALL OPTIMIZING METHODS AVILABLE TO USE. YOU GAN GULL STATIC AND DYNAMIC OBJECTS AND DEFINE WISIBILTIV DETECTION (WHEN CAMERA LOOKING AWAY) WITH ONE SIMPLE SHAPE.

CHILDE MEANS APPLYING ADDITIONAL COD CEVEL WHERE YOU CAN SET IF YOU WANT TO DEAGUVANE FULL OBJECT OR JUST SINGLE COMPONENTS



OPTIMIZER GOMPLEX SHAPE SAME LIKE DEFAULT OPTIMIZER BUT OPTIMIZER BUT OPTIMIZATION METHODS LIKE DYNAMIC OR TRIGGER BASED ARE NOT AVAILABLE (METHOD TELLEGIJUE IS ANYWAY THE BEST FOR DYNAMIC OBJECTS)
THIS COMPONENT CIVES POSSIBILITY TO BUILD DETECTION SHAPE FROM MULTIPLE SPHERES FOR MORE DETAILED WORK, IT FEATURES TOOLS TO EASILY CREATE SPHERE SURUCTURE ON MESHES SHAPE.



OPTIMIZER OBSTRUE DETECTIONS SAME LIKE DEFAULT OPTIMIZER BUT OPTIMIZER BUT OPTIMIZER BUT OPTIMIZER BUT

THIS COMPONENT CIVES POSSIBILITY OF HIDING OBJECT WHEN IT IS BEHIND WALL (YOU GAN DEFINE IF HIDDEN OBJECT SHOULD BE DEACTIVATED OR STILL MOVE ETC.)

IT CAN BRING BIG PERFORMANCE BOOST BUT USE IT VISELY.
DON'T USE IT ON OBJECTS WHICH PUTS ONLY TINY PRESSURE OVER CAME
PERFORMANCE BECAUSE DETECTION COULD TAKE MORE GPU THAN OBJECT ITSELF.
DEFINE COUNT AND SHAPE OF DETECTION RAYS TO BE MOST EFFECTIVE FOR YOUR OBJECT.



THERRAIN OPTIMIZERS COMPONENT DESIGNED TO SUPPORT OPTIMIZATION OF UNION TERRAINS. IT HAVE UNIQUE CIZMOS VISIBLE ON SCENE WIEW TO HELP YOU SET IT UP TO YOUR PROJECT NEEDS.

TO SHOULD BE USED ONLY WHEN YOUR CAME IS USING MULTIPLE TERRAINS WHEN IT'S YOU GAN ELLEGUVELY SWITCH QUALITY SELVINGS OF TERRAINS WHEN IT'S OUT OF CAMERA WIEW OR IN CERTAIN DISTANCE FROM NEAREST POINT OF IT.

QUALITY SELVINGS FOR DIFFERENT LEVELS ARE CENTERATED AUTOMATICALLY BUT YOU GAN FREELY MODIFY THEM.

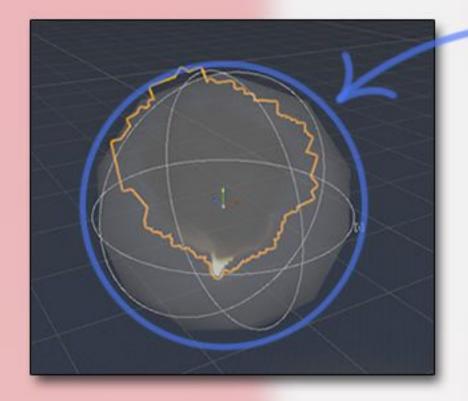


3/5-USING OPTIMIZERSH

AFTIER ADDING OPTIMIZER TO YOUR OBLECTS
YOU MUST CONFIGURE IT'S BEHAVIOURS

FIRST SET MAN DISTANCE, IF CAMERA WILL BE OUT OF RED SPHERE WHICH IS WISIBLE IN GEAMOS, OBJECT CAN BE DEACHWATED AND NOT USED ANYMORE UNTIL CAMERA STEPS AGAIN INTO DISTANCE RANGE SPHERE.



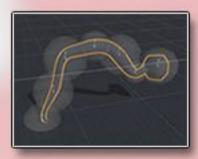


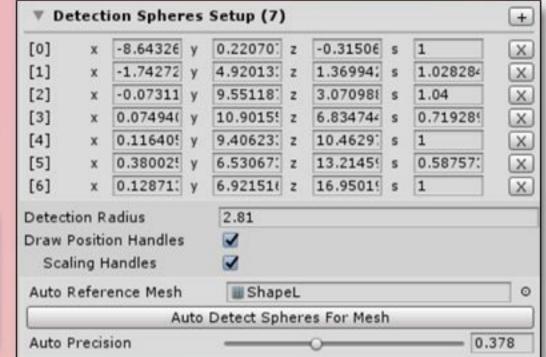
IF YOU WANT TO GHANGE QUALITY SETTINGS
WHEN OBJECT IS NOT WISIBLE IN CAMERA WIEW,
(VERY USEFUL FOR PARTICLE SYSTEM OPTIMIZATION)
THEN USE GULL IF NOT SEE TOCCCLE.
NOW YOU HAVE TO DEFINE DETECTION SHAPE.
IF THIS SHAPE WILL BE WISIBLE IN CAMERA WEW,
THEN OBJECT WILL USE LODS, IF NOT - HIDDEN

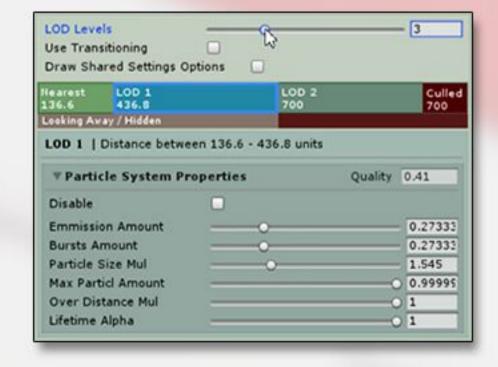
CHIDDEN MEANS APPLYING ADDITIONAL GOD GEVEL WHERE YOU GAN SET IF YOU WANT TO DEAGTIVATE FULL OBJECT OR JUST SINGLE COMPONENTS

IF SINGLE SPHERE GANFT DESGRIBE SHAPE OF YOUR OBJECT ENOUGH, YOU GAN USE OPTIMIZER COMPLEX SHAPE COMPONENT TO GREATE SHAPE FROM MULTIPLE SPHERES OR DO IT AUTOMATICALLY BASING ON GERTAIN MESH.

(UPGOMING FEATURE)
YOU GAN GREATE DYNAMIC SHAPE
USING TRANSFORM TOGGLE, THEN ONLY
"EFFECTIVE" METHOD WILL BE AVAIABLE.
YOU GAN USE IT FOR EXAMPLE ON
BONES OF SKINNED MESHES.







GHANGE LOD LEVELS GOUNT FROM TO TO SO WITH GOUNTED THERE WILL BE ONLY ACTIVE AND GULLED STATES (EVERY TIME YOU GHANGE LOD LEVELS AUTOMATIC SETTINGS WILL BE GENERATED)

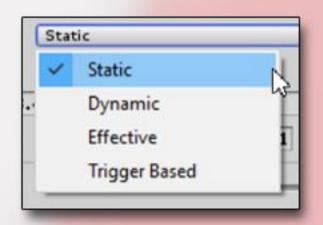
CLICIS ON LOD SQUIRES TO WELL SETULIOS FOR CERTAIN DISTANCE LEVEL, IF YOU HAVE ENABLED "CULL IF NOT SEE" OR "HIDEABLE" YOU GAN ACCESS ADDITIONAL "HIDDEN" SLOT.

VOU GAN DEFINE IN WHIGH DISTANGE HIDDEN SETTINGS SHOULD BE APPLIED WHEN GONDITIONS ARE META



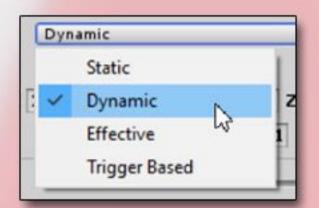


4 / 5 - OPTIMIZATION METHODS & PRESETSE



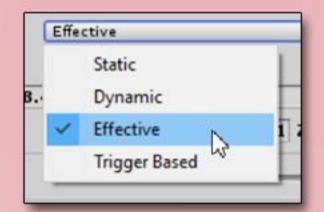
STATICE THIS METHOD IS USING JUST GULLING GROUPS APIL VOU GAN HIDE OBJECT IF IT IS NOT UISIBLE IN GAMERA VIEW AND SET UP DISTANCE LEVELS FOR LODS. (OPTIMIZERS MANAGER IS NOT NEEDED)

CAME OBJECT DON'T NEED TO BE MARKED AS STATIC, OBJECT CAN MOVE AROUND BUT SHOULDN'T LEAVE DELECTION SHAPE (SPHERE)



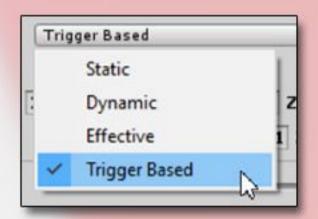
DVNAVIOGE GAN BE USED ON OBJECTS WHIGH ARE MOVING IN WORLDS SPACES.
DETECTION SHAPE THIS TIME ISN'T SPHERE BUT BOXS.

THIS OPTIMIZATION METHOD GAN GIVE THE BEST PERFORMANCE BUT ENABLING OBJECTS BACK WHEN CAMERA SEES IT AGAIN OR WHEN OBJECT ENTERS NEW LOD RANGE GAN BE DEVAMED WHICH GOULD BE UNWANTED!



THE COURS REGEOMENDED METHOD TO USE UNIVERSALLY WITH OPTIMIZERS.
IT IS USING GULLING GROUPS API AND UPDATES IT WITH DYNAMIC'S METHODS.

UT'S QUICK, CAN BE USED WITH DVNAMIC OBJECTS AND SOLVES PROBLEM WITH DELAYED SWITCHING OF LOD LEVELS AND HIDING.



TRICOLD (EXPERIMENTAL): DIFFERENT APPROACH FOR OPTIMIZATION USING JUST TRICOLD GOLLIDERS. IF YOU DON'T NEED DETECT IF OBJECT IS VISIBLE IN GAMERA VIEW THEN OPTIMIZERS MANAGER WILL BE NOT NEEDED ("GULL IF NOT SEE" UNTOGGLED) WITH THIS METHOD, THEORETICALLY IT SHOULDN'T PUT ANY PRESSURE OVER GPU WHEN USED LIKE THAT.

PREFILE GREATING PREFILE SETTINGS DONE BEFORE GREATING PREFILE.

BUT WHEN YOU AUREADY HAVE PREFAB, AUG GHANGES WILL BE STORED INSIDE PREFAB ASSET FILE.

TOU GAN SAUE LOD SETTINGS FOR GERTAIN
GOMPONENT INSIDE FILE AND ASSIGN IT TO
OTHER OPTIMIZER, THEN YOU ARE ABLE TO
SHARE SAME SETTINGS OVER WHOLE PROJECT
AND MODIFY ALL SIMULTANEOUSLY.

USE "DRAW SHARED SETTINGS" TOCCUE TO SEE SPECIAL PRESETS OPTIONS.

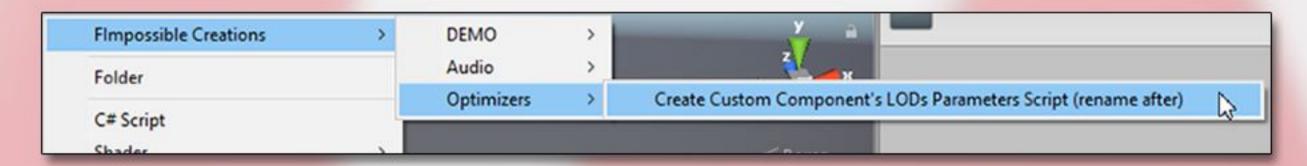
LOD Lev	els		· ·	- 4
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LOD 2	Distance	between 46.8	- 75.4 units	
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200	Size Mul			1.375



5/5-ADUANCED FEATURES

IF YOU ARE CODER YOU CAN EASILY IMPLEMENT CUSTOM COMPONENTS SUPPORT TO OPTIMIZERS SYSTEM!

SIMPLY HIT RIGHT MOUSE BUTTON SOMEWHERE IN YOU PROJECT AND



NAME NEW FILE WITH YOUR TARGET COMPONENT'S NAME

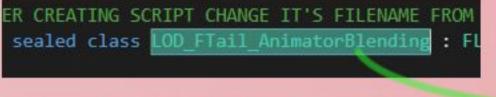
THERE WILL BE GENERATED GODE USING NAME OF YOUR GOMPONENT AS PART OF IT SO YOU WILL HAVE ONLY FEW GODE-EDIT THINGS TO DO.



INSIDE SCRIPT FILE THERE WILL BE A LOT OF CUIDE TEXTS AND DESCRIPTIONS WHAT AND WHERE YOU HAVE TO DO.

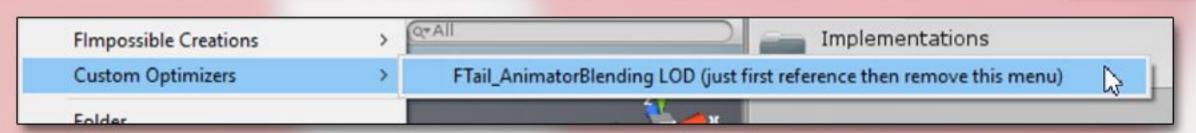
DEFINE VARIABLES VOU WANT TO GHANGE INSIDE VOUR LOD SETTINGS.
FILL GODE WITH THEM TO GORREGILY IMPLEMENT ALL NEEDED FEATURES.

NOW RENAME GREATED FILE
WITH GLASS NAME INSIDE FILE

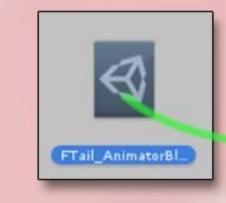




AFTER THAT HIT RIGHT MOUSE BUTTON AGAIN AND SELECTE



VOU WILL GREATE REFERENCE FILE WHIGH NEEDS TO BE PLAGED IN OPTIMIZERS MANAGER "GUSTOM COMPONENTS DEFINITION" LIST.





THEN AFTER DETECTING YOUR COMPONENT ADDED TO OBJECT OPTIMIZERS WILL USE YOUR GUSTOM GUISS TO SERVE IT!

