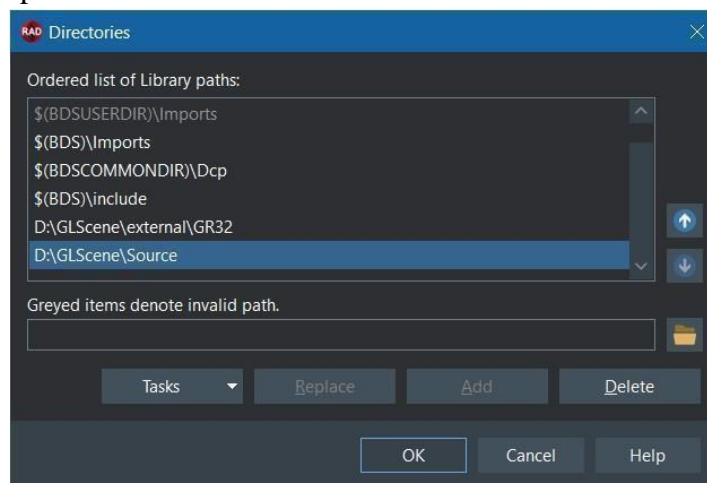


# The Installation of GLScene in Embarcadero RAD Studio

1. Download the latest version of GLScene from Github at page <https://github.com/glscene/GLScene/releases> or as ZIP from repository <https://github.com/glscene/GLScene.git> to your disk, e.g. D:\GLScene.
2. You can also use TortoiseGit or TortoiseSvn clients, Github Desktop or RAD Studio's embedded github control system from menu File|Open From Version Control... to Git clone and then update the current code.
3. Run \_setupDLL.cmd in directory ..\GLScene\external as administrator before compiling and installing packages in IDE to copy into C:\Windows\System32 and C:\Windows\SysWOW64 directories third party dynamic libraries to support 3D sounds (BASS, FMOD, OpenAL), game API (SDL2), nVidia CG shaders and physics (ODE, Newton).
4. Setup Delphi Library Paths in Options|Language dialog. Open Delphi Options Library page and add paths to source files.



5. Setup C++ Options for C++Builder to include autogenerated hpp files. Open Cpp Options dialog in Paths and Directories menu and add paths in "System include path" to headers for Win32 and Win64 platforms. The same for modern compiler.

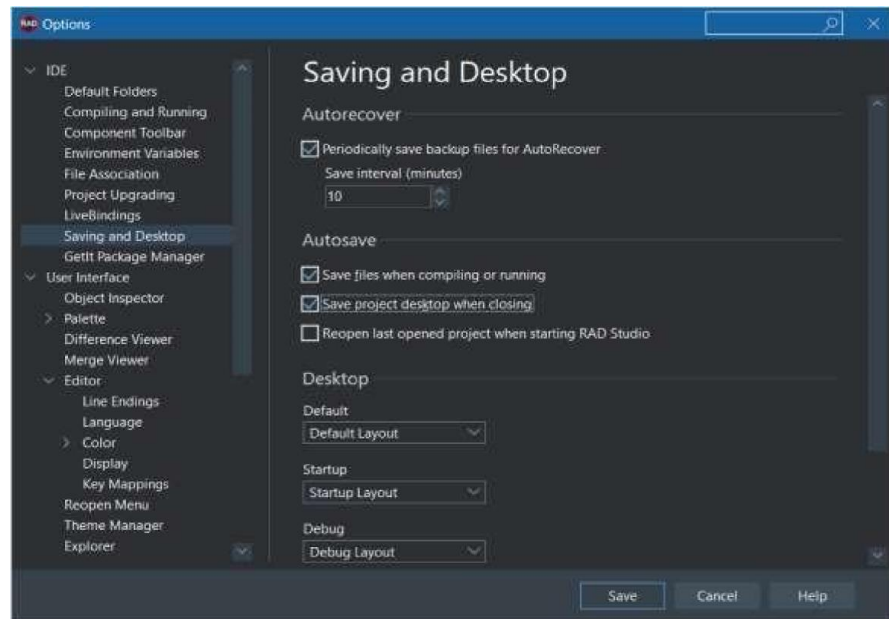




8. Compile GLScene's packages for Win32/Win64 using "Compile All From Here" and install components by choosing every DT (DesignTime) package in GLScene.groupproj to RAD Studio component palette. Then you should get an information for GLScene\_DT.bpl as shown below



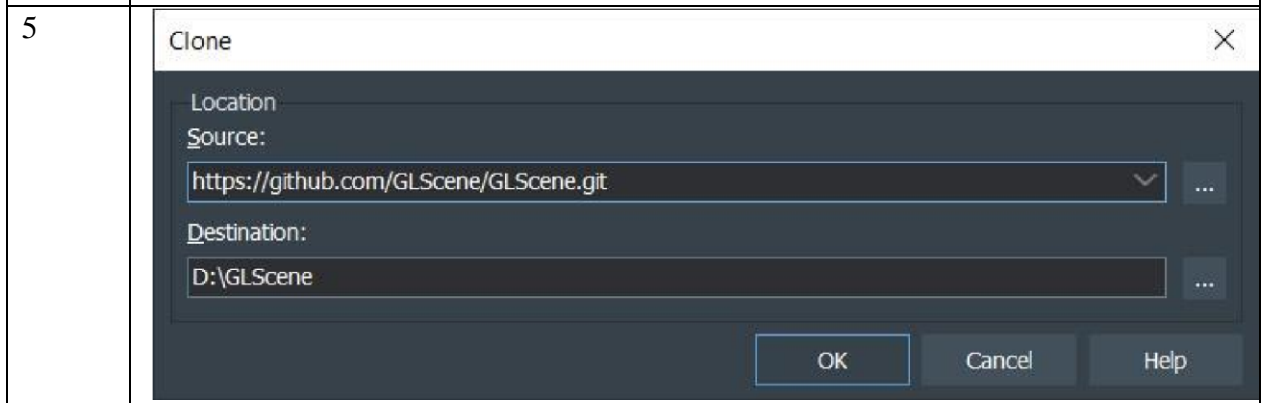
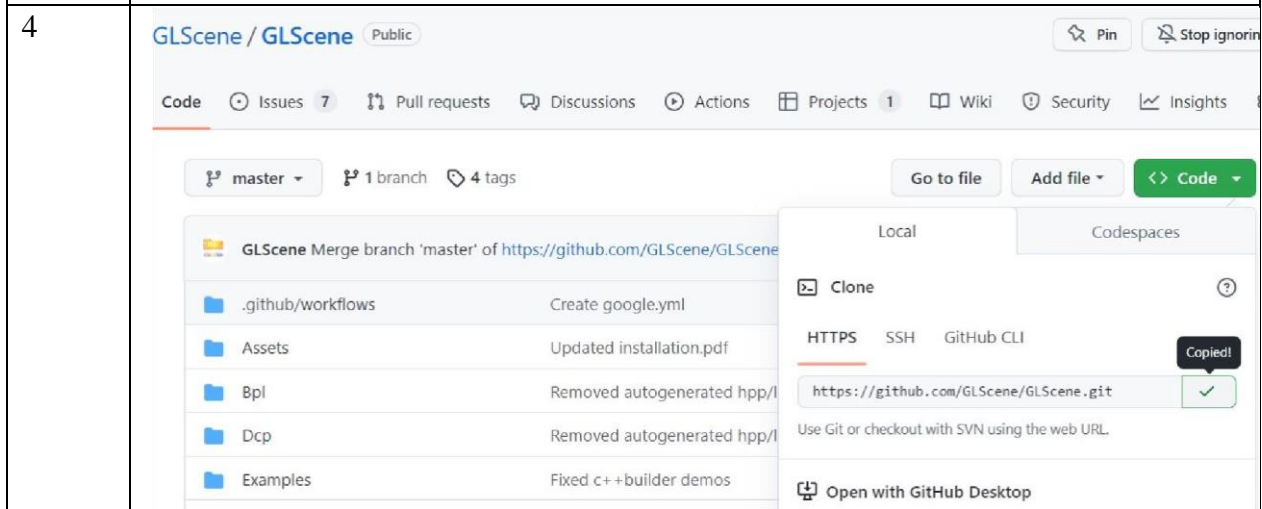
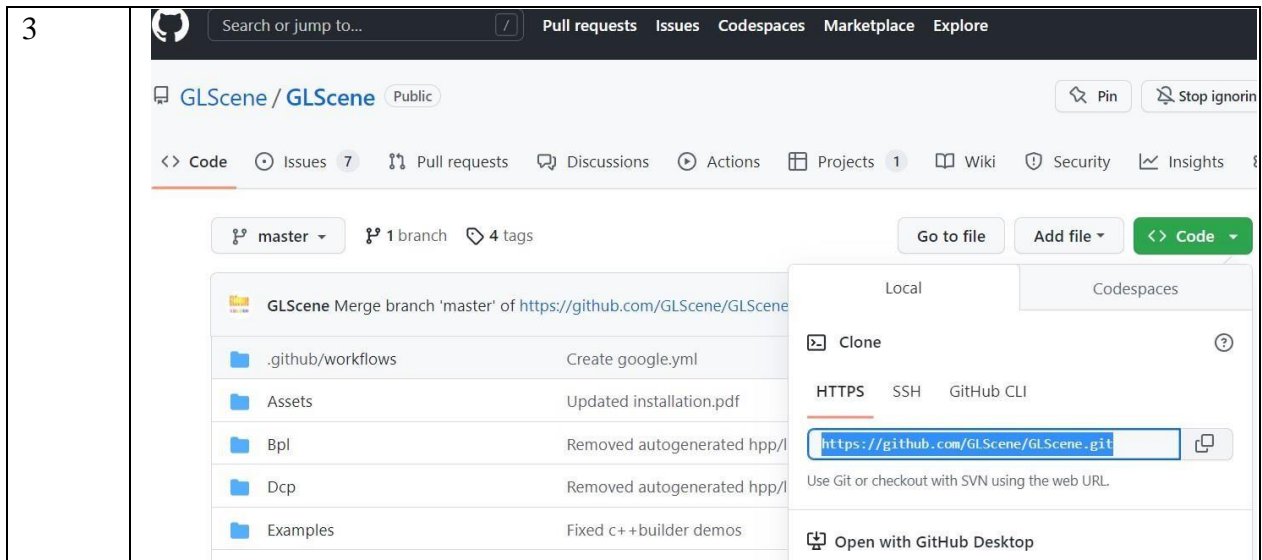
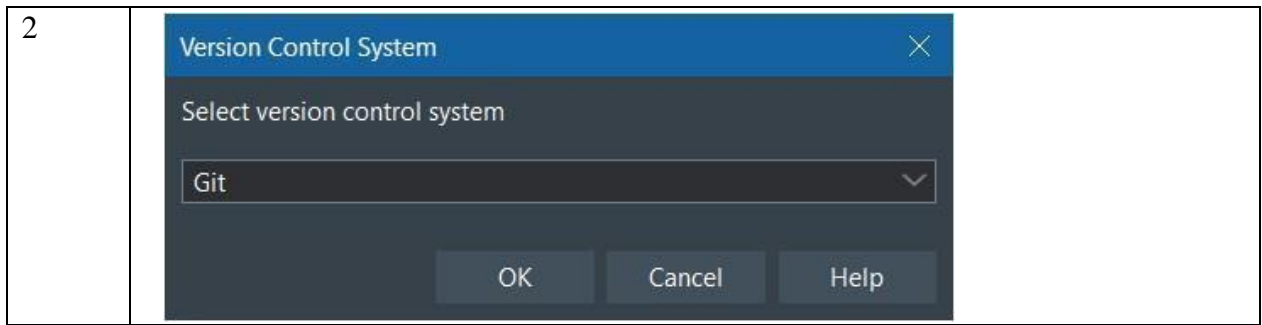
9. Setup the same options for cross- platform compilations in IDE, open the GXScene.groupproj and install GXScene components for FMX.
10. Run Examples for Delphi & C++Builder in ..GLScene\Examples directory to learn demos and advdemos projects.




































## SETUP IN IDE

Setup of GLScene's components in Embarcadero Rad Studio and running AdvDemos Earth

















Open IDE	
1	



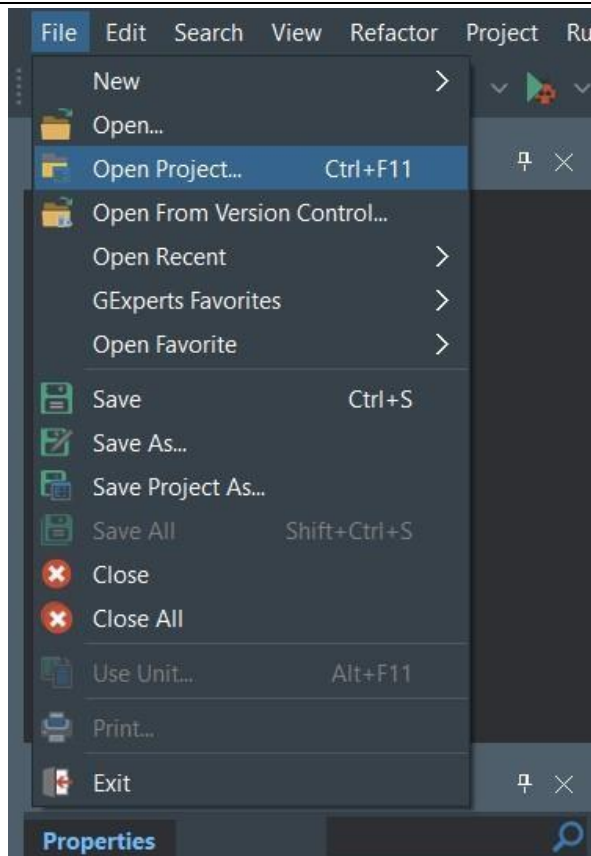
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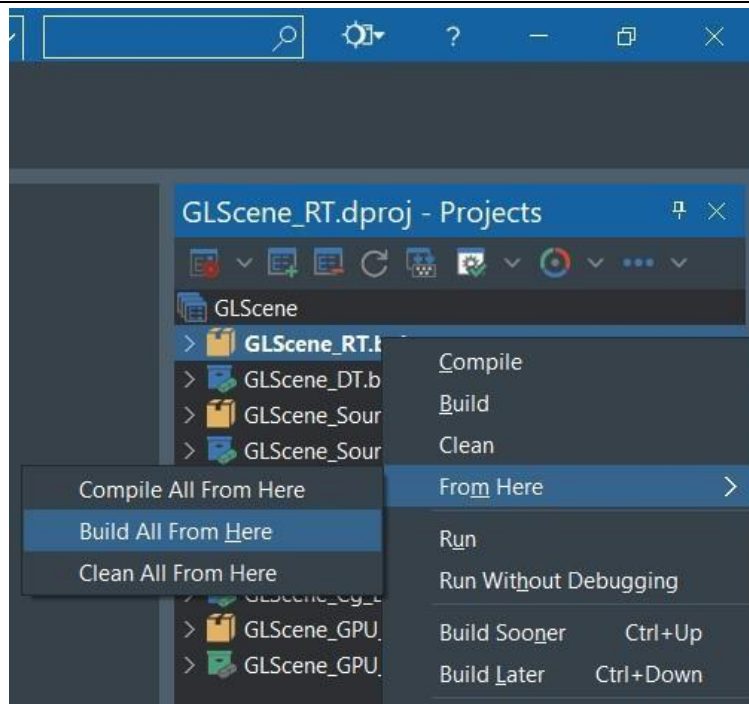
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 Bpl	24.03.2023 6:50
 Dcp	24.03.2023 6:50
 Examples	24.03.2023 6:50
 external	24.03.2023 6:50
 Help	24.03.2023 6:50
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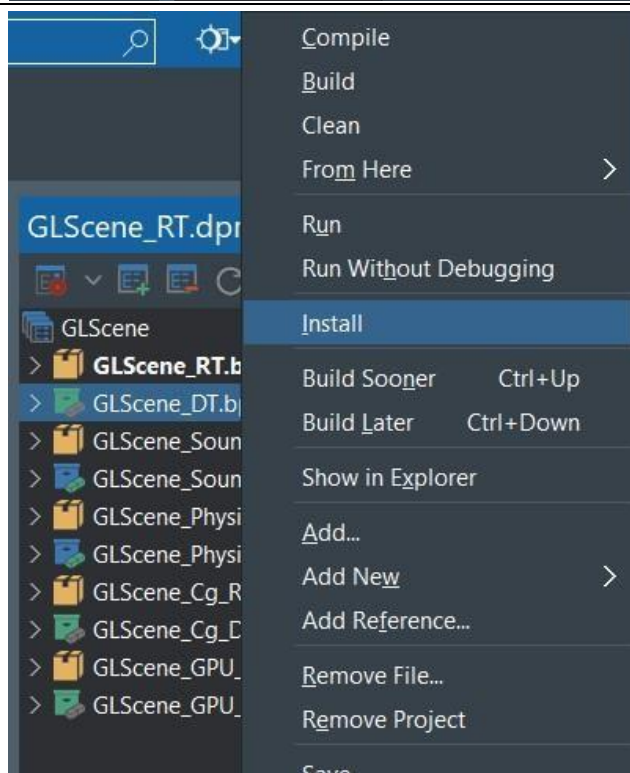
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11





12

## Information



## Package

C:\Users\Public\Documents\Embarcadero\Studio\22.0\Bpl\GLScene\_DT.bpl has been installed.

The following new component(s) have been registered: TGLAnimationController, TGLApplicationFileIO, TGLAsmShader, TGLAsynchHDS, TGLAsynchTimer, TGLAVIRecorder, TGLBitmapFont, TGLBitmapHDS, TGLBumpmapHDS, TGLBumpShader, TGLCadencer, TGLCameraController, TGLCelShader, TGLCollisionManager, TGLCustomHDS, TGLCustomPFXManager, TGLCustomSpritePFXManager, TGLDCEManager, TGLEParticleMasksManager, TGLFireFXManager, TGLFPSMovementManager, TGLFullScreenViewer, TGLGizmo, TGLGuiLayout, TGLHeightTileFileHDS, TGLHiddenLineShader, TGLJoystick, TGLLinePFXManager, TGLMaterialLibrary, TGLMaterialLibraryEx, TGLMaterialScripter, TGLMemoryViewer, TGLMultiMaterialShader, TGLNavigator, TGLOutlineShader, TGLPerlinHDS, TGLPerlinPFXManager, TGLPhongShader, TGLPointLightPFXManager, TGLPolygonPFXManager, TGLSArchiveManager, TGLScene, TGLSceneViewer, TGLScreenSaver, TGLScriptLibrary, TGLShaderCombiner, TGLShadowHDS, TGLSimpleNavigation, TGLSLanguage, TGLSLBumpShader, TGLSLDiffuseSpecularShader, TGLSLLogger, TGLSLPostBlurShader, TGLSLPostDreamVisionShader, TGLSLPostFrostShader, TGLSLPostNightVisionShader, TGLSLPostPixelateShader, TGLSLPostPosterizeShader, TGLSLPostThermalVisionShader, TGLSLPostTroubleShader, TGLSLShader, TGLSmoothNavigator, TGLSmoothUserInterface, TGLSoundLibrary, TGLSSynHiMemo, TGLStaticImposterBuilder, TGLTexCombineShader, TGLTexturedHDS, TGLTextureSharingShader, TGLThorFXManager, TGLTimeEventsMGR, TGLUserInterface, TGLUserShader, TGLVfsPAK, TGLWindowsBitmapFont.

OK

13



## Directories



## Ordered list of Library paths:

\$(BDSUSERDIR)\Imports  
\$(BDS)\Imports  
\$(BDSCOMMONDIR)\Dcp  
\$(BDS)\include  
D:\GLScene\external\GR32  
D:\GLScene\Source



Greyed items denote invalid path.

D:\GLScene\Source



Tasks



Replace

Add

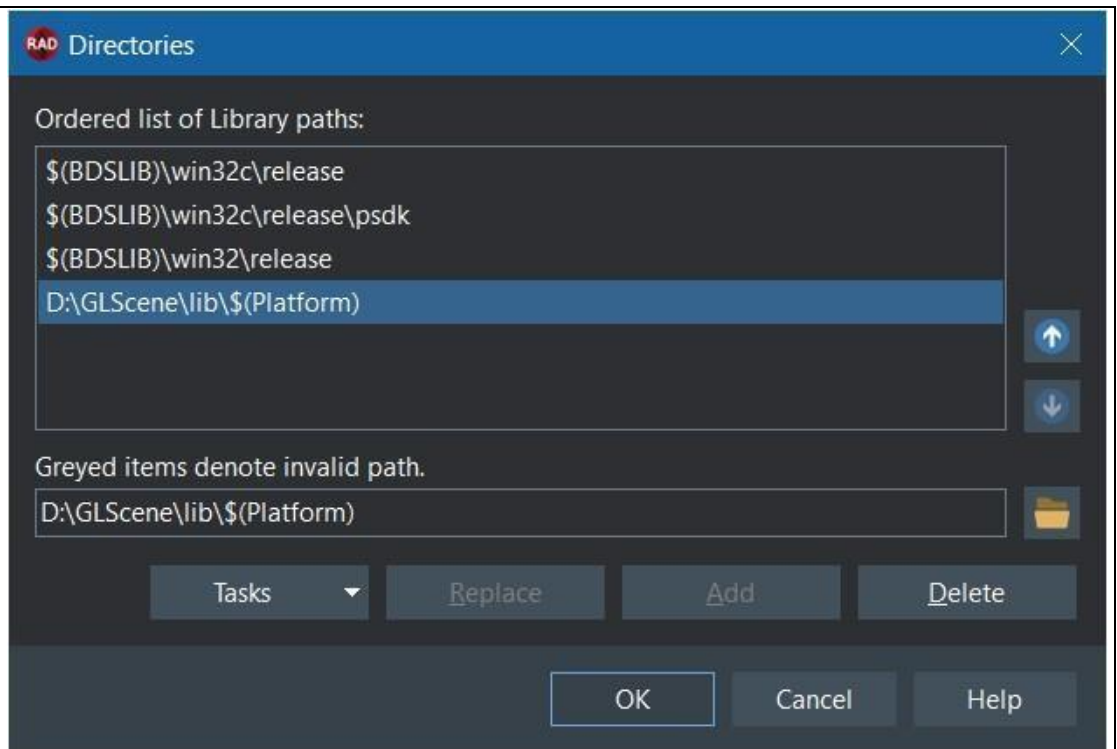
Delete

OK

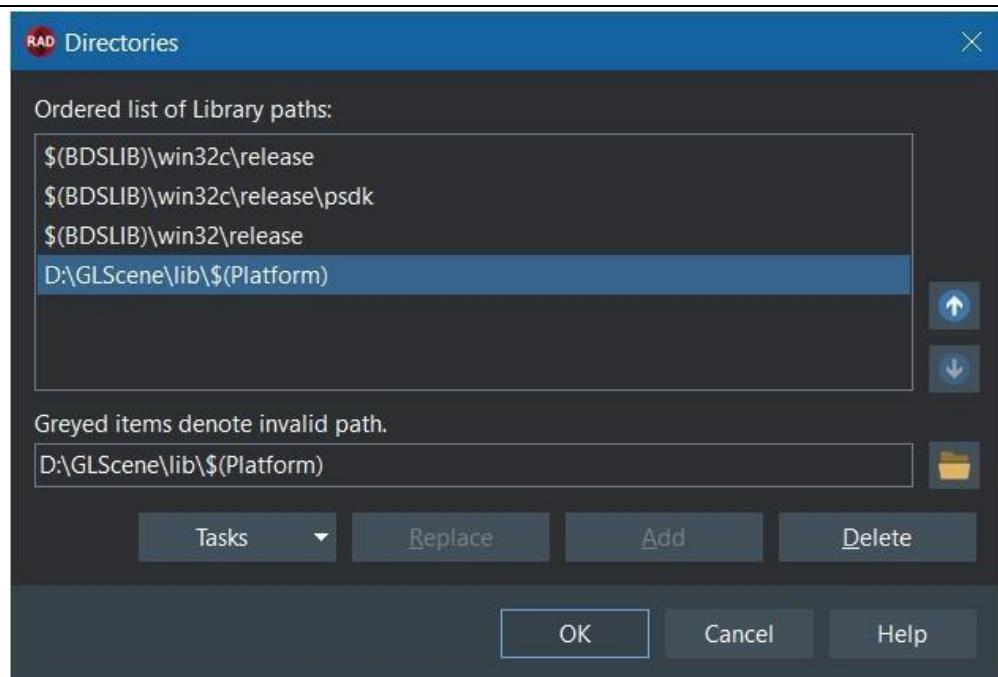
Cancel

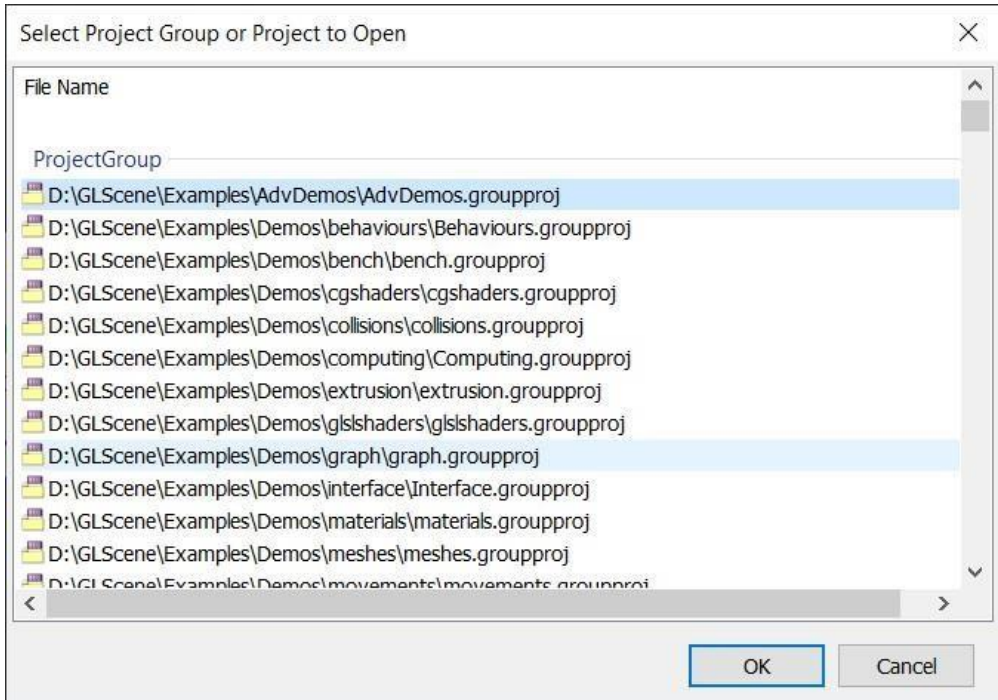
Help

14



15



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17	