Dave's Development Blog





Software Development using Borland /

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Getting the up to date project source code from the IDE

By David | January 5, 2018 0 Comment

There may be instance where you want to get the source code for all your project's files in the IDE in order to parse them for some reason. Surprisingly for me I haven't done this before but now needed to do this in order to produce Check and Metric reports in Browse and Doc It for the entire active project.

You could get a list of all the files in the project and read those files from disk but if you do that you'll not have any of the in memory changed that you've made in the IDE's editors. The second option would be to ask the IDE to open all of your files in the IDE buffer (opening an IOTAModule loads it into memory but doesn't necessarily show the file in the editor). If you have a very large project this will be a problem and is unnecessary.

Below are a couple of methods from one of my editor views which reports coding checks on the whole project (I've removed code that's not necessary for this example).

Procedure TBADI Modul eChecksEdi torVi ew. Sel ectVi ew;

Const
setModul eTypesToParse = [omtForm, omtDataModul e, omtProj Uni t, omtUni t];

Var
P: IOTAProj ect;

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```
iModule: Integer;
  ModuleInfo: IOTAModuleInfo;
Begin
  P := ActiveProject;
  If Assigned(P) Then
    Begi n
        For i Module := 0 To P. GetModuleCount - 1 Do
             ModuleInfo := P. GetModule(i Module);
             If ModuleInfo.ModuleType In setModuleTypesToParse Then
               Begi n
                 ProcesModul e (Modul el nfo);
               End
          End;
    End;
End:
Procedure TBADI Modul eChecksEdi torVi ew. ProcesModul e(Const Modul eInfo: IOTAModul eInfo);
Var
  Module: IOTAModule;
Begi n
  Module := (Borl and DEServices As IOTAModuleServices). FindModule(ModuleInfo. FileName);
  If Assigned (Module) Then
    ExtractSourceFromModul e (Modul e, Modul el nfo)
  El se
    ExtractSourceFromFile(ModuleInfo);
End;
```

Hope this is useful.

Regards

Dave.

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