

Dave's Development Blog

Software Development using Borland / Codegear / Embarcadero RAD Studio

Fatal Mistake in DLL... Doh!

By David | September 6, 2011

0 Comment

I've made a mistake in the code that I've been attaching to the last few OTA chapter. I was positive at the time that it all worked but I've found an issue that needs to be resolve and will appear in the next chapter.

The issues is the difference between how a DLL wizard and a Package wizard **MUST** be initialised. My mistake is that for a DLL I've allowed the main wizard to be registered twice and the IDE complains and stops loading and initialising the experts. The main wizard can only be added to the system in a package. Its better to show you than try and explain it as below:

```
Function InitialiseWizard(WizardType : TWizardType) : TWizardTemplate;

Var
    Svcs : IOTAServices;

Begin
    ...
    If WizardType = wtPackageWizard Then // Only register main wizard this way if PACKAGE
        iWizardIndex := (BorlandIDEServices As IOTAWizardServices).AddWizard(Result);
    ...
End;
```

The above is **ONLY** called for a Package as the DLL is register with the IDE differently as will be shown below.

I've defined a new enumerate to help with this as follows:

```
Type
    TWizardType = (wtPackageWizard, wtDLLWizard);
```

This therefore means a number of changes in the way the Package and the DLLs are called as follows:

```
procedure Register;

begin
    InitialiseWizard(wtPackageWizard);
end;

Function InitWizard(Const BorlandIDEServices : IBorlandIDEServices;
    RegisterProc : TWizardRegisterProc;
    var Terminate: TWizardTerminateProc) : Boolean; StdCall;

Begin
    Result := BorlandIDEServices <> Nil;
    If Result Then
        RegisterProc(InitialiseWizard(wtDLLWizard));
End;
```

As you can see the DLL **InitWizard** procedure calls the **RegisterProc** internal IDE procedure. I've tried not to call this and it fails so you **MUST** register your DLLs in this way.

All I can say is Doh! Should have checked better.

Dave.

Category: Open Tools API Tags: Borland, BorlandIDEServices, CodeGear, Delphi, Embarcadero, Experts, IOTAWizard, OTA, RAD Studio