

Installing Proparse Independent of ProLint

Getting Binaries

To use Proparse, you need three binary files. The original version of these can be found at <http://www.joanju.com/proparse/index.php>, but these provide no support for syntax beyond ABL version 10.2B. A fork from this original version with support for some version 11 syntax can be found at <https://github.com/consultingwerk/proparse>. This link includes all the source as well, so unless you plan on looking at or modifying the source, you will want to download only the following binaries:

- proparse.net.dll in the root directory.
- IKVM.Runtime.dll in the ikvmbin directory.
- IKVM.OpenJDK.Core.dll in the ikvmbin directory.

Installing the Binaries for Use

Where you install these three files for use will depend on your purpose and setup for other purposes. If you are only using them for a special project, they might get installed in a PDSOE workspace. If they are going to be used in a broader context, they might go in a more public location. If you already are using .NET components, they would go in the same place as the other components. In addition to the three binaries, you need an assemblies.xml file. This should have the contents as follows:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<references>
<assembly name="IKVM.OpenJDK.Core, Version=7.2.4630.5, Culture=neutral, PublicKeyToken=13235d27fcbfff58"/>
<assembly name="IKVM.Runtime, Version=7.2.4630.5, Culture=neutral, PublicKeyToken=13235d27fcbfff58"/>
<assembly name="proparse.net, Version=4.0.1.1114, Culture=neutral, PublicKeyToken=cda1b098b1034b24"/>
</references>
```

Of course, if you already have .NET components in your application, then the above three lines should be added to the existing assemblies.xml file. If the version of the components change in future, you will have to modify these references.

If you download all of Proparse and copy the .dlls to the desired location, you should not have to take any further action, but if you download the individual .dlls, you may find that they are blocked. See <http://stackoverflow.com/questions/6746779/error-could-not-load-the-assembly-file> about unblocking.

Setting up PDSOE to Use the Binaries

To use the binaries in sufficiently current versions of PDSOE, go to the Project you want to use them in, right click and select Properties, open the Progress OpenEdge section, and select the Assemblies tab. Unclick "Use default location" and navigate with the Workspace or File System buttons to find the directory in which you installed the binaries in the prior step. The lower panel should then get populated with the three binaries (and any other .NET components you are using). In some older versions of PDSOE, one apparently had to supply a "-assemblies DirectoryName" parameter in the Startup parameters on the main Progress OpenEdge tab, but that is not required in newer versions. Naturally, if you will be using Proparse outside of PDSOE, you will supply the -assemblies parameter to the startup. Note that virtually all uses of Proparse involve "walking the parse tree", an inherently recursive process, so you will need to increase the -nb parameter for execution. You are likely to have to boost -s as well.

Use With Proparse Enabled Application or a New Use

If one is using Proparse with an application which has already been configured for use with Proparse, then the setup above should be sufficient, except for any configuration needed of the application. If one is setting up Proparse to use with a new application, i.e., adding Proparse to an existing application or developing some new tools using Proparse scripting, then see the document on Proparse Usage.
