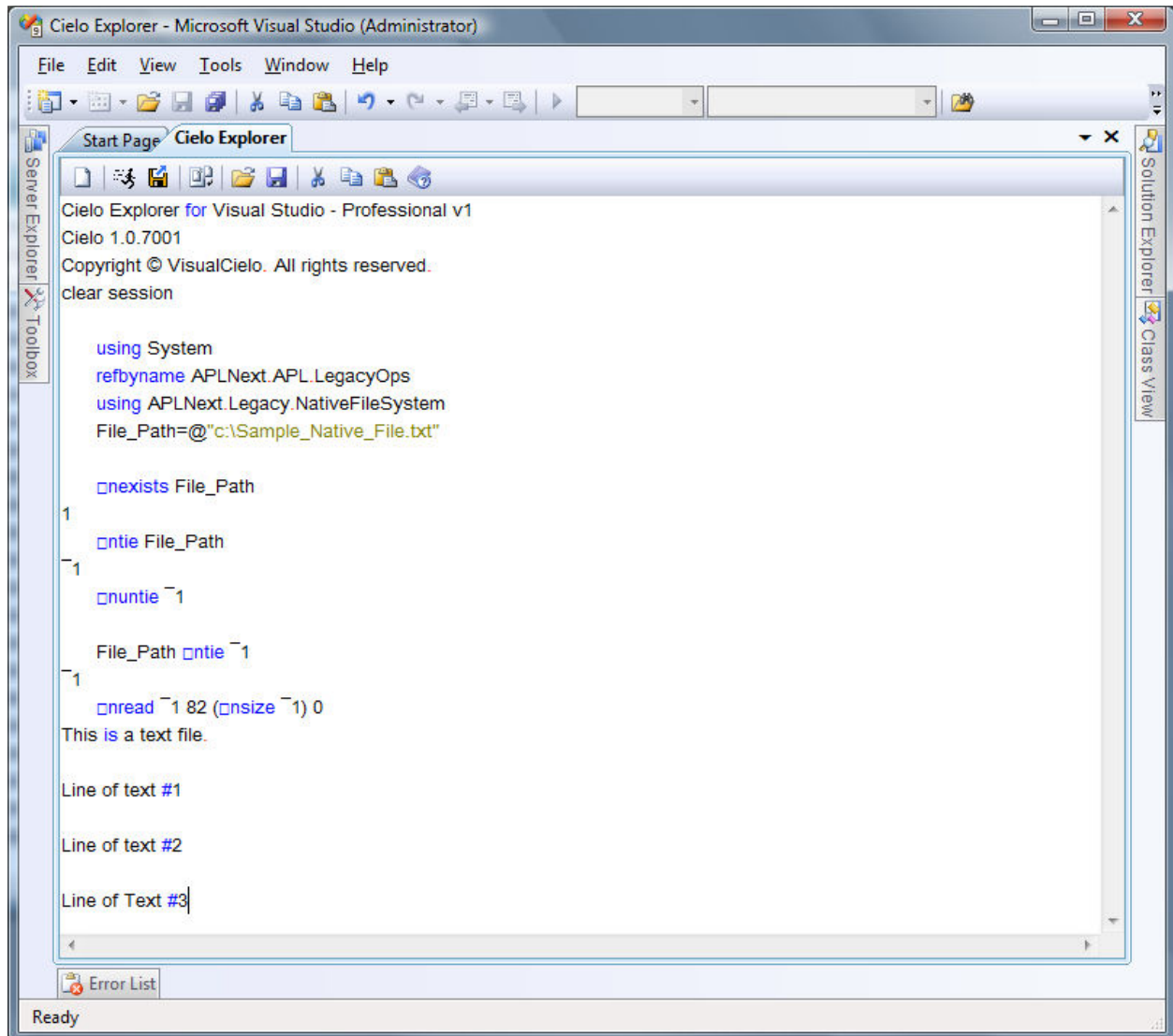


## VisualAPL: Legacy APL Native File Tools

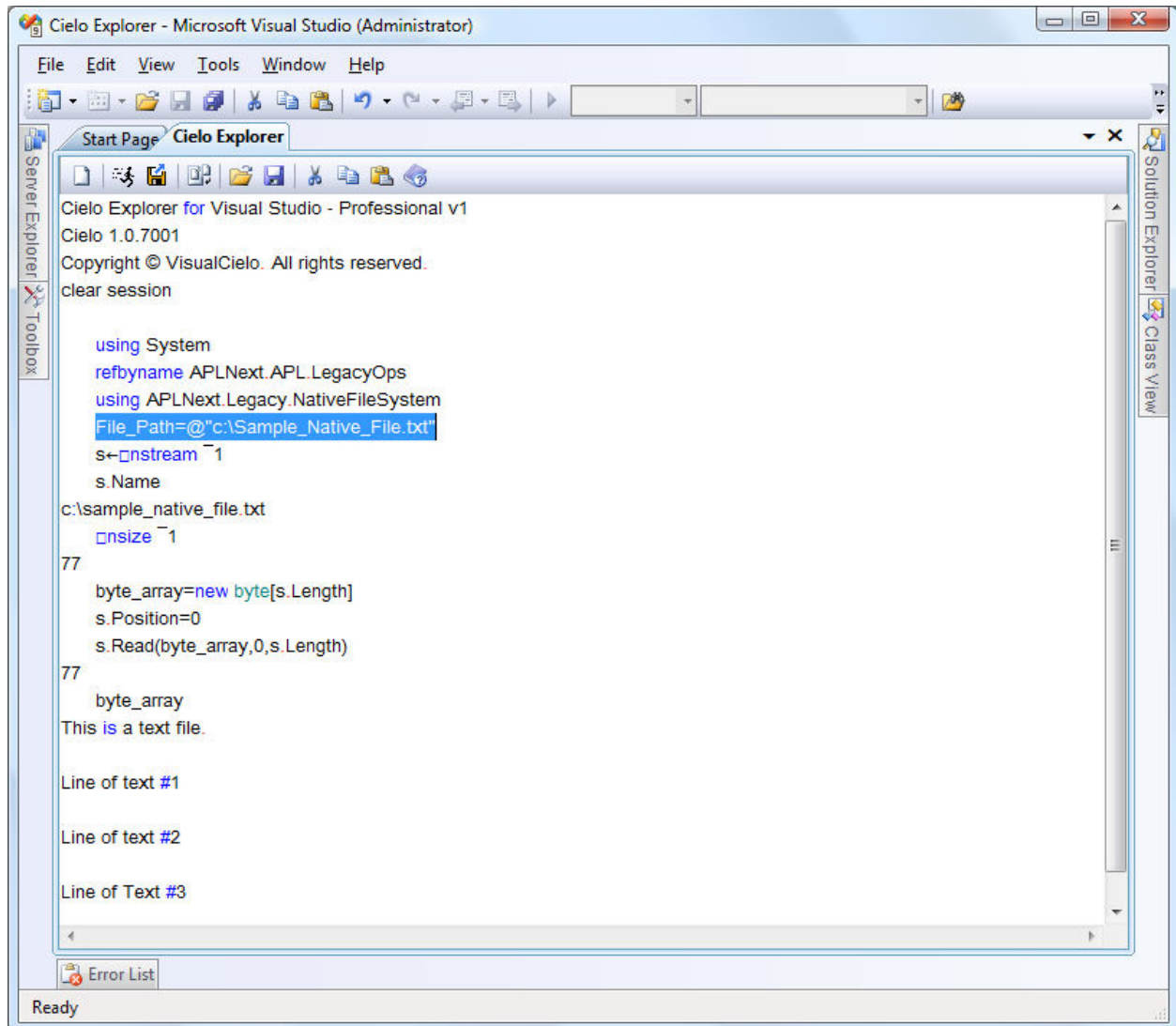
For compatibility with legacy APL, VisualAPL provides a programmer-includable .Net assembly which implements the native file tools of APL+Win. These legacy native file tools are fully documented in the “Visual\_APL\_Help.chm” file which is installed when VisualAPL is installed.

To use these legacy APL native file tools they must be properly referenced in a Cielo Explorer session, Cielo Explorer script or VisualAPL class library. In the Cielo Explorer example below, the “using System”, “refbyname APLNext.APL.LegacyOps” and “using APLNext.Legacy.NativeFileSystem” are the required references.

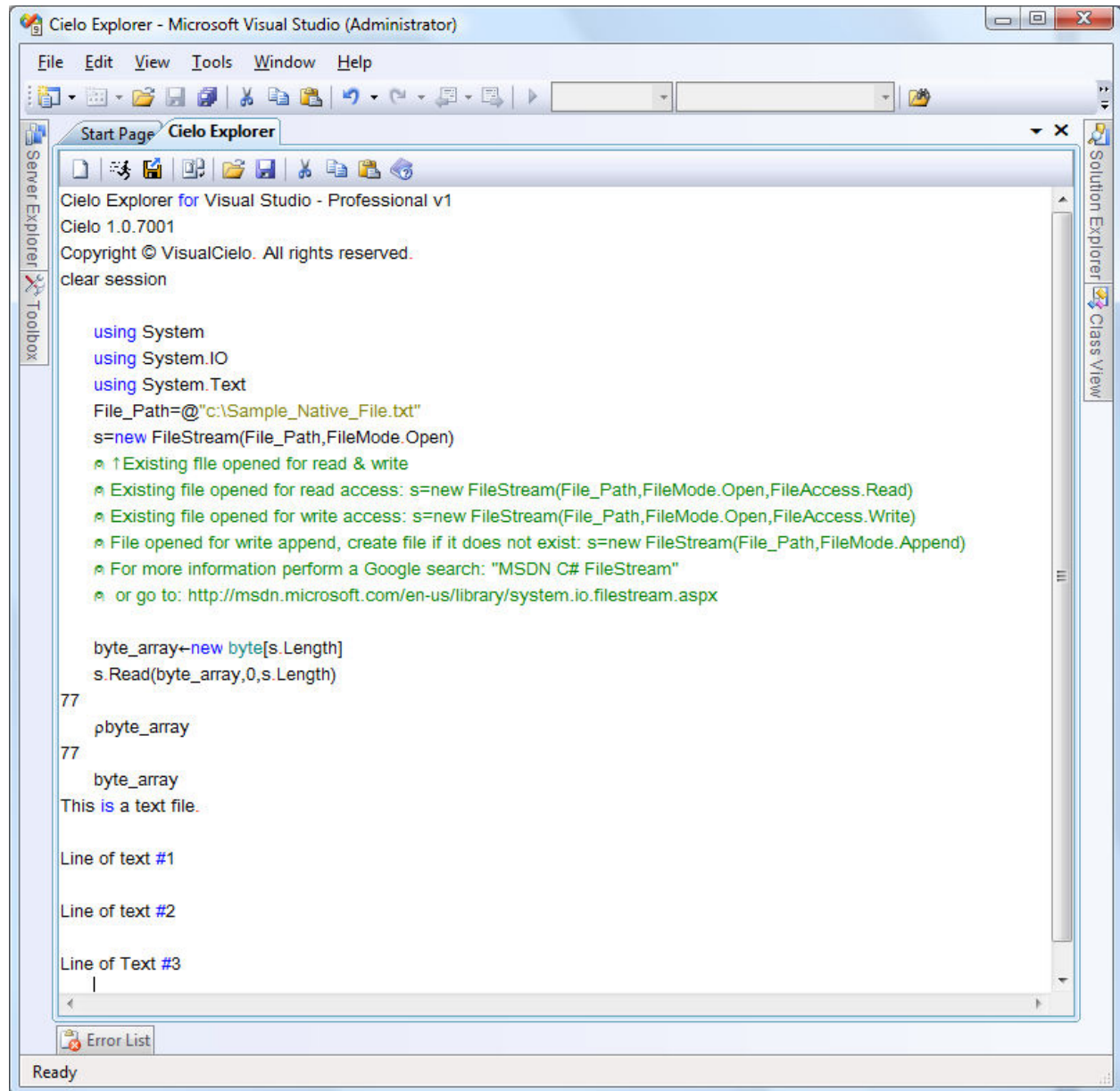


Observe the ‘[]nexists’ enhancement to determine if a file exists, as well as the alternate syntax of ‘[]ntie’ which selects the next available (negative) native file tie#. Additional enhancements to the legacy native file tools are the eponymous system functions “[]ncopy” and “[]nmove”.

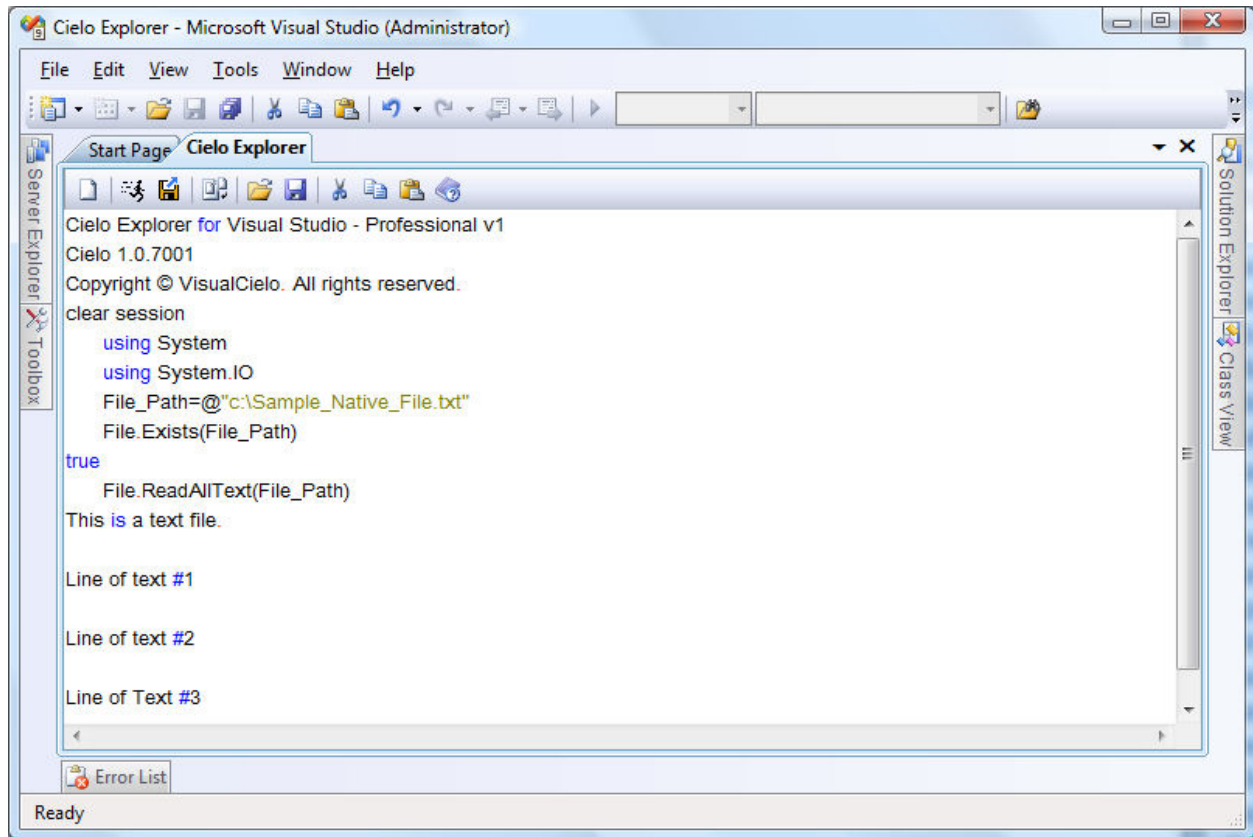
The Microsoft .Net Framework provides a large set of native file handling tools which are available in any .Net programming language, including VisualAPL. One more VisualAPL enhancement to the legacy native file tools is “[]nstream” which is closely related to the .Net “FileStream” class which is a member of the very extensive .Net Framework tools for native files:



If the legacy APL native file tools are not needed and only the .Net Framework tools will be used, then only “using System.IO” will be needed to perform the same work.



The System.IO.File class also includes many other interesting capabilities:



VisualStudio 'Intellisense' provides additional documentation. The MSDN (Microsoft Developer Network) provides extensive documentation and code examples. Many C# programmer-oriented web sites provide code 'snippets', e.g.

[http://www.nicecleanexample.com/ViewSnippet.aspx?TID=dotnetio\\_fileexists](http://www.nicecleanexample.com/ViewSnippet.aspx?TID=dotnetio_fileexists)

File Edit View Tools Window Help



Server Explorer  
Toolbox

Start Page Cielo Explorer



Cielo Explorer for Visual Studio - Professional v1

Cielo 1.0.7001

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clear session

```
using System
```

```
using System.IO
```

```
File_Path=@"c:\Sample_Native_File.txt"
```

```
File.Exists(File_Path)
```

```
true
```

```
File.ReadAllText(File_Path)
```

This is a text file.

Line of text #1

Line of text #2

Line of Text #3

```
System.IO.File.
```

- GetType
- Move
- Open
- OpenRead
- OpenText
- OpenWrite
- ReadAllBytes
- ReadAllLines
- ReadAllText**
- Replace
- SetAccessControl
- SetAttributes
- SetCreationTime
- SetCreationTimeUtc
- SetLastAccessTime
- SetLastAccessTimeUtc
- SetLastWriteTime
- SetLastWriteTimeUtc
- ToString
- WriteAllBytes
- WriteAllLines
- WriteAllText

ReadAllText