



NORTH AMERICA

EADS North America Test and Services

PAWS Studio Release Notes

Version 1.40.2

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1 Paws Developer's Studio



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1.1 Critical Items

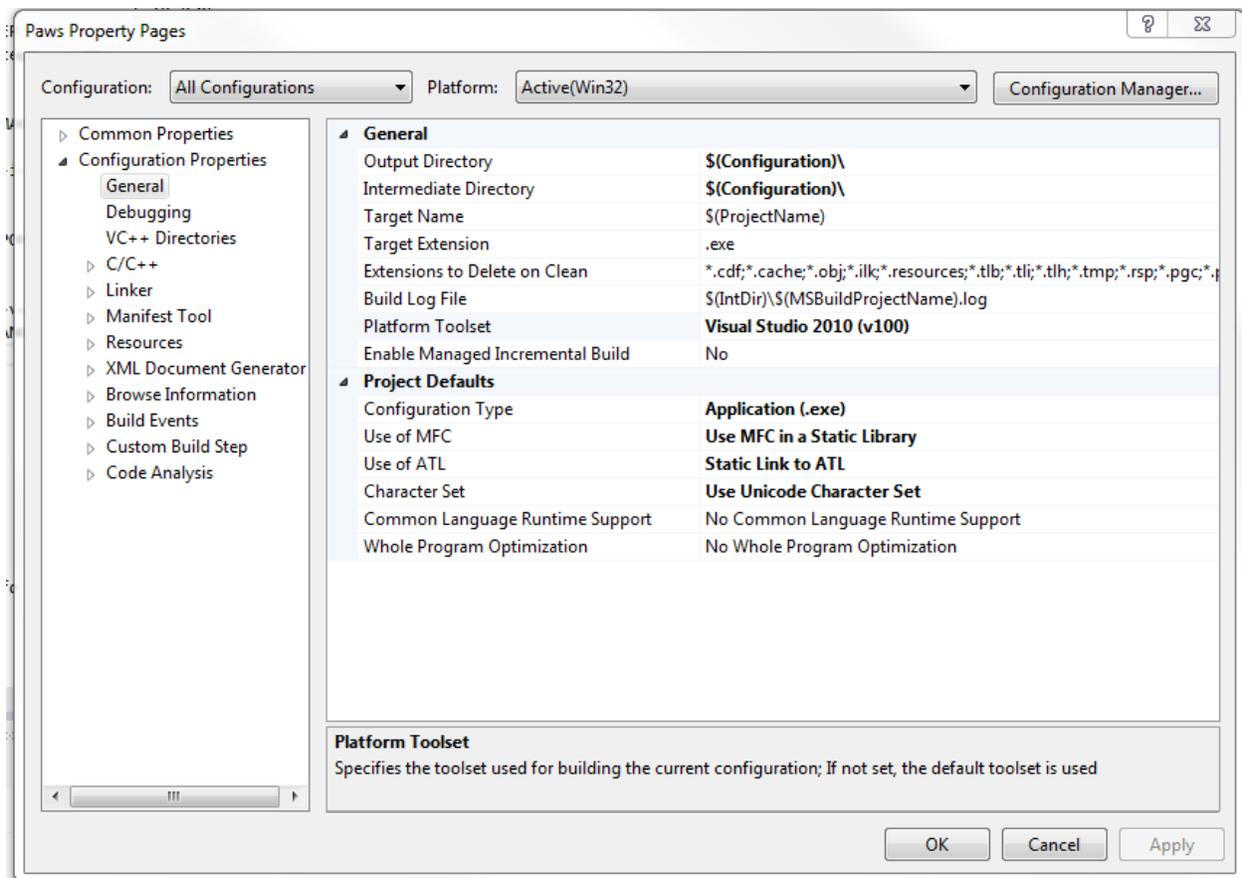
1.1.1 Default Encoding of Text Files Changed from CP 1252 to UTF-8

When the OS has not set up a Multi Byte Code Page, Paws Studio expects and encodes its text files with UTF-8. For the previous versions of Paws Studio, in the same conditions, the default encoding was CP 1252. When the atlas code of older projects contains non-English embedded text (as arguments of the OUTPUT statements, or commented information for example), the encoding of these files has to be changed from ANSI CP 1252 to UTF-8 before user's Paws Project is rebuilt, otherwise the non-English characters will not be displayed properly in Paws Studio editors, RTS Station Display or Ansi Display ActiveX control.

This action does not apply to source files that only contain ASCII English characters. Their binary representation is identical under these encodings.

1.1.2 Paws Studio and RTS Package Built in Visual Studio 2012, Configured With v100 Platform Toolset

Choosing Visual Studio 2010 compilers for all our 1.40.0 or newer binary files assures their portability on Windows XP Operating Systems.



However, the code has been adjusted to successfully resolve the incompatibilities between Visual Studio 2008 compilers (the compilers that built our software up to version 1.39.14) and those belonging to Visual Studio 2010.

All our .NET Portable Executable (including our Interop Assemblies) are built to use .NET Framework 2.0, like our 1.39.x branch.

Our customers are encouraged to report any difference of behavior of new software (1.40.0 or newer) versus old software (1.39.14 or older).

1.2 Known Limitations

1.3 Enhancements

1.3.1 Paws Studio Does Not Display Message Boxes or Dialogs in Hidden Mode (ID 1310)

When Paws Studio is launched through a batch file in order to build TPSs in hidden mode, it is unable to display and receive input from the user through Message Boxes or Dialogs. They may pop up when the user needs to supply a path to the license files, or set the general Paws Environment.

When Paws Studio built TPSs under the control of a web service (like Jenkins environment), it was unable to display the input forms and request user assistance. In these cases it hanged without closing, and without a way to deliver the news of what went wrong.

This version of Paws Studio does not halt its execution in these circumstances. Instead, it reports the missing pieces of information to the output console and quits. In order to have access to the output console as result of the hidden run, Paws Studio has to be invoked like here:

```
C:\Usr\Tyx\Bin\paws.exe SampleTPS.paw -rebuild -hidden > log.txt
```

1.4 Problem Reports

2 Run Time System



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2.1 Critical Items

2.2 Known Limitations

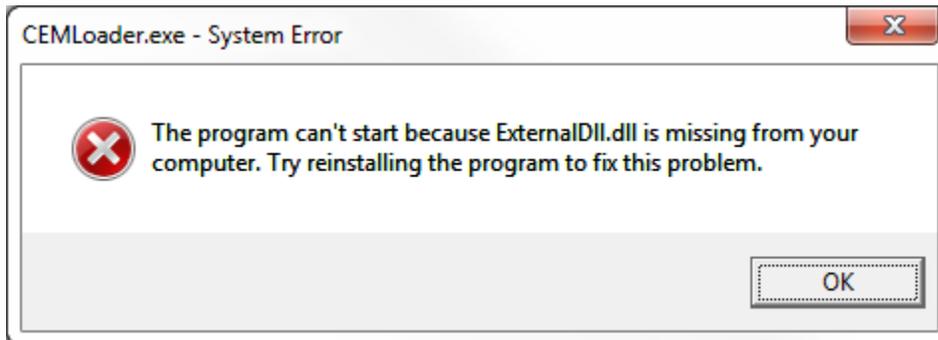
2.3 Enhancements

2.3.1 CEMLoader.exe Identifies Missing Modules of CEM (ID 1309)

When RTS is unable to load its CEM due to a missing dependency, it reports this circumstance as a sequence of the “Specified modifier could not be found” warning followed by the “Incomplete initialization” error:

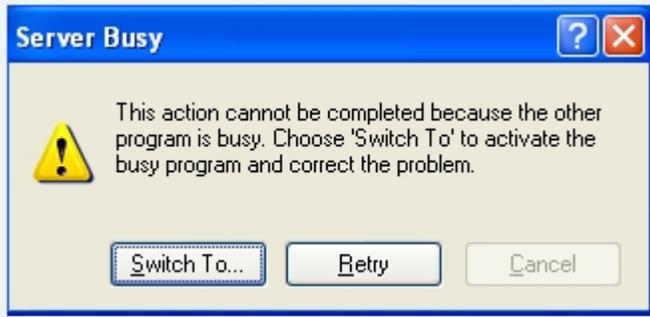
```
Binary files "atlas", version 20131002
Date stamp: Thu Dec 05 10:31:51 2013
Built In LEX Information
WARNING: Failed to load
C:\PawsProject\WCEM.DLL, LoadLibrary API failed, The specified module could
not be found.
ERROR: Incomplete initialization, TPS unloaded
```

When the CEM driver developer or user sees this message, c:\Usr\Tyx\Bin\CEMLoader.exe has to be copied to the place where the target CEM DLL resides, then that DLL has to be renamed to WCEM.dll. When CemLoader.exe is launched from its new place, it displays in a message box the name of the dependent DLL that could not be found:



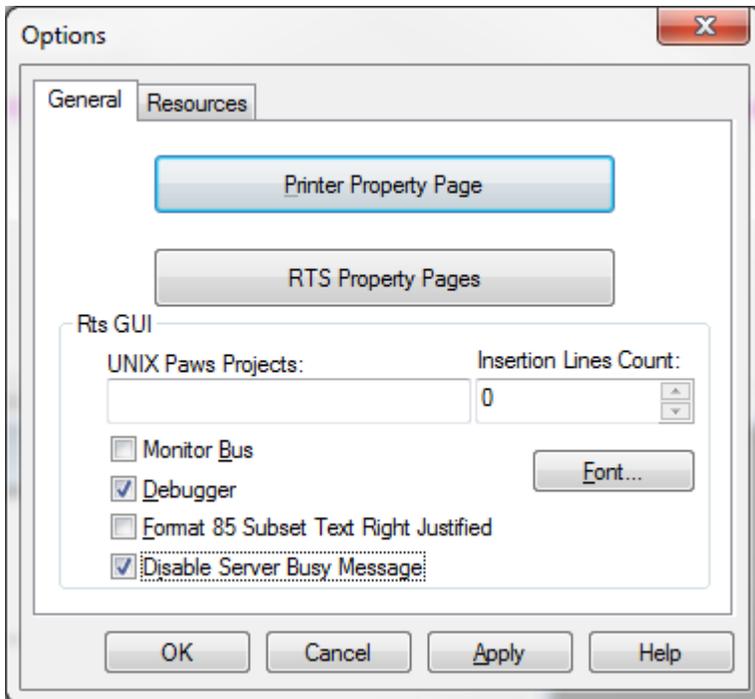
2.3.2 Disable “Server Busy” Message (ID 1318)

The Windows OS displays on behalf of Wrts.exe the Server Busy message when a COM call is performed and that call incapacitates for longer than 10 seconds the message pump of the single threaded apartment that the main thread of the Wrts.exe process belongs to.



These long COM calls can occur in CEM or other COM RTS Resources (like INPUT resource) or dataloggers.

Our current version of RTS is able to turn off these messages, when the user checks the “Disable Server Busy Message” checkbox. This configuration work has to be done once only, and it is active after the following launch of the RTS.



When the RTS is launched from our RTS Adapters (TpsServerLite or Debugger co-classes), the access to this configuration is done like below:

```
// before you call Attach, set the Disable Server Busy Message to true
TYX.ComUtil.RegistryConfigurationClass regcnfg = new TYX.ComUtil.RegistryConfigurationClass();
regcnfg.DisableRTSServerBusyMessage = true;

// attach to the RTS. This is when the wrts.exe process is created
this.debugger.Attach("");
```

2.4 Problem Reports

3 Paws Compilers All Subsets Except CASS



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3.1 Critical Items

3.1.1 ToBeSpecified

ToBeSpecified

3.2 Known Limitations

3.2.1 ToBeSpecified

ToBeSpecified

3.3 Enhancements

3.3.1 ToBeSpecified

ToBeSpecified

3.4 Problem Reports

3.4.1 ToBeSpecified

ToBeSpecified

4 Paws Compilers CASS Subset



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4.1 Critical Items

4.1.1 ToBeSpecified

ToBeSpecified

4.2 Known Limitations

4.2.1 ToBeSpecified

ToBeSpecified

4.3 Enhancements

4.3.1 ToBeSpecified

ToBeSpecified

4.4 Problem Reports

4.4.1 ToBeSpecified

ToBeSpecified