

Base Language - Bug #2872

IOException in Windows

11/20/2015 03:44 PM - Ovidiu Maxiniuc

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Cleanup and Stablization for Server Features	case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 11/20/2015 04:12 PM - Ovidiu Maxiniuc

- Subject changed from Windowd to Windows OS support for P2J

This task is dedicated to track encountered issues that prevent P2J to run on Windows OS, other than those related to SQL Server. Normally, Java is not OS dependent, so there shouldn't be such issue except when it comes to native or file system.

At this moment, there are two known issues that need to be addressed:

- some IOException thrown is some very particular case (I accidentally discovered this when using a cfg file not suited to my system so the E: disk was an empty CD drive).
- the (newly introduced and with higher priority, I guess): native console initialization. The work on this issue is documented in task #2583.

#2 - 03/30/2016 07:56 AM - Greg Shah

- Target version set to Milestone 11

- Start date deleted (11/20/2015)

- Subject changed from Windows OS support for P2J to IOException in Windows

- Assignee set to Eugenie Lyzenko

Ovidiu: please post details of the IOException and how to recreate the problem.

The native console init will be worked separately in #2583.

#3 - 04/01/2016 07:07 AM - Ovidiu Maxiniuc

The exception is thrown in com\goldencode\p2j\util\Utils.java. Here is an example of a complete exception stack:

```
java.io.IOException: The device is not ready
  at java.io.WinNTFileSystem.canonicalize0(Native Method)
  at java.io.WinNTFileSystem.canonicalize(WinNTFileSystem.java:428)
  at java.io.File.getCanonicalPath(File.java:618)
  at com.goldencode.p2j.util.Utils.canonicalizePath(Utils.java:898)
  at com.goldencode.p2j.util.SourceNameMapper.convertName(SourceNameMapper.java:446)
```

```
at com.goldencode.p2j.util.ControlFlowOps$ExternalProgramResolver.resolve(ControlFlowOps.java:6210)
at com.goldencode.p2j.util.ControlFlowOps.invokeExternalProcedure(ControlFlowOps.java:3334)
at com.goldencode.p2j.util.Agent.invokeScoped(Agent.java:169)
at com.goldencode.p2j.util.Agent.access$600(Agent.java:55)
at com.goldencode.p2j.util.Agent$4.execute(Agent.java:752)
at com.goldencode.p2j.util.Agent.listen(Agent.java:354)
at com.goldencode.p2j.util.AgentPool.start(AgentPool.java:431)
at com.goldencode.p2j.util.AppServerManager.startAppServer(AppServerManager.java:828)
at com.goldencode.p2j.main.StandardServer.standardEntry(StandardServer.java:263)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:497)
at com.goldencode.p2j.util.MethodInvoker.invoke(MethodInvoker.java:76)
at com.goldencode.p2j.net.Dispatcher.processInbound(Dispatcher.java:705)
at com.goldencode.p2j.net.Conversation.block(Conversation.java:319)
at com.goldencode.p2j.net.Conversation.run(Conversation.java:163)
at java.lang.Thread.run(Thread.java:745)
```

The exact parameter for "f://trng/procode/common", taken from database, table module probably. Important is that f: is my optical drive and it was empty at that time. If the drive would have been any other (I tried with A: or q:), the method would have returned the canonical path without throwing an exception. There are a number of other path that can come from server.ini or even hardcoded.

The important thing here is that if the input path for canonicalizePath is an otherwise invalid (read: inexistent) path the File.getCanonicalPath will return the best attempt to canonicalize it. If the path is really malformed, a java.io.IOException("Invalid argument") will be thrown.

#4 - 11/16/2016 12:08 PM - Greg Shah

- Target version changed from Milestone 11 to Cleanup and Stabilization for Server Features

#5 - 11/13/2019 11:54 AM - Greg Shah

- Assignee deleted (Eugenie Lyzenko)