

Database - Bug #2285

Regression when converting the server sources: null annotation

04/14/2014 03:17 PM - Vadim Nebogatov

Status:	Closed	Start date:	04/14/2014
Priority:	Normal	Due date:	
Assignee:	Vadim Nebogatov	% Done:	100%
Category:		Estimated time:	14.00 hours
Target version:	Cleanup and Stablization for Server Features	case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 04/14/2014 03:18 PM - Vadim Nebogatov

- Status changed from New to WIP

----- Original Message -----

Subject: regression when converting the server sources

Date: Mon, 14 Apr 2014 13:04:10 +0300

From: Constantin Asofiei

To: Greg Shah, "Faulhaber, Eric", Vadim Nebogatov

CC: Lomany, Stanislav

Guys,

There are some problems when converting the server sources with bzt rev 10510.

Vadim: I suspect it is related to your changes in rev 10500, because with 10499 the NPE at P2O Generation phase is no longer raised.

Greg/Eric: I think we should make it standard to conversion-test the server sources and parse-test the GUI sources, at least before releasing a new P2J version to the customer.

Thanks,
Constantin

1st:

P2O Generation (database schema files)

```
./data/namespace/<db_name>.schema
```

```
...
```

```
WARNING: Declared "j\prhtr1.p" schema trigger for WRITE of table 'j\ndprhist' could not be located in PROPATH.  
java.lang.NullPointerException: null value for annotation 'extent':compositenull [COMPOSITE] @0:0
```

```
at com.goldencode.ast.XmlFilePlugin.writeSingleAnnotation(XmlFilePlugin.java:1062)
  at com.goldencode.ast.XmlFilePlugin.writeAnnotations(XmlFilePlugin.java:1023)
  at com.goldencode.ast.XmlFilePlugin.writeAst(XmlFilePlugin.java:984)
  at com.goldencode.ast.XmlFilePlugin.writeAst(XmlFilePlugin.java:990)
  at com.goldencode.ast.XmlFilePlugin.writeAst(XmlFilePlugin.java:990)
  at com.goldencode.ast.XmlFilePlugin.saveTree(XmlFilePlugin.java:425)
  at com.goldencode.ast.AstManager.saveTree(AstManager.java:257)
  at com.goldencode.p2j.schema.DataModelWorker$Library.persistTarget(DataModelWorker.java:709)
  at com.goldencode.expr.CE867.execute(Unknown Source)
  at com.goldencode.expr.Expression.execute(Expression.java:341)
  at com.goldencode.p2j.pattern.Rule.apply(Rule.java:401)
  at com.goldencode.p2j.pattern.Rule.executeActions(Rule.java:640)
  at com.goldencode.p2j.pattern.Rule.coreProcessing(Rule.java:609)
  at com.goldencode.p2j.pattern.Rule.apply(Rule.java:440)
  at com.goldencode.p2j.pattern.RuleContainer.apply(RuleContainer.java:530)
```

```
at com.goldencode.p2j.pattern.RuleSet.apply (RuleSet.java:50)
at com.goldencode.p2j.pattern.PatternEngine.apply (PatternEngine.java:1519)
at com.goldencode.p2j.pattern.PatternEngine.processAst (PatternEngine.java:1398)
at com.goldencode.p2j.pattern.PatternEngine.processAst (PatternEngine.java:1346)
at com.goldencode.p2j.pattern.PatternEngine.run (PatternEngine.java:972)
at com.goldencode.p2j.convert.ConversionDriver.processTrees (ConversionDriver.java:915)
at com.goldencode.p2j.convert.ConversionDriver.middle (ConversionDriver.java:578)
at com.goldencode.p2j.convert.ConversionDriver.main (ConversionDriver.java:1734)
./data/namespace/standard.schema
```

2nd:

Generate Data Model Objects (database DMOs)

null
com/something/server/dmo/<db_name>/Address.java.jast

3rd:

Generate base/table DDL scripts for schema '<db_name>' and target DB 'postgresql'

```
Apr 14, 2014 5:33:28 AM org.hibernate.annotations.common.Version <clinit>
INFO: HCANN000001: Hibernate Commons Annotations {4.0.1.Final}
Apr 14, 2014 5:33:28 AM org.hibernate.Version logVersion
INFO: HHH000412: Hibernate Core {4.1.9-SNAPSHOT}
Apr 14, 2014 5:33:28 AM org.hibernate.cfg.Environment <clinit>
INFO: HHH000206: hibernate.properties not found
Apr 14, 2014 5:33:28 AM org.hibernate.cfg.Environment buildBytecodeProvider
INFO: HHH000021: Bytecode provider name : javassist
Apr 14, 2014 5:33:28 AM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: com.goldencode.p2j.persist.dialect.P2JPostgreSQLDialect
null
```

4th:

Metadata XML Generation

```
null
java.lang.NullPointerException
at com.goldencode.p2j.schema.DataModelWorker$Library.loadRelatedTree (DataModelWorker.java:661)
at com.goldencode.expr.CE2231.execute (Unknown Source)
at com.goldencode.expr.Expression.execute (Expression.java:341)
at com.goldencode.p2j.pattern.Rule.apply (Rule.java:401)
at com.goldencode.p2j.pattern.RuleContainer.apply (RuleContainer.java:530)
at com.goldencode.p2j.pattern.RuleSet.apply (RuleSet.java:50)
at com.goldencode.p2j.pattern.PatternEngine.apply (PatternEngine.java:1479)
at com.goldencode.p2j.pattern.PatternEngine.processAst (PatternEngine.java:1398)
at com.goldencode.p2j.pattern.PatternEngine.processAst (PatternEngine.java:1346)
at com.goldencode.p2j.pattern.PatternEngine.run (PatternEngine.java:972)
at com.goldencode.p2j.convert.ConversionDriver.processTrees (ConversionDriver.java:915)
at com.goldencode.p2j.convert.ConversionDriver.middle (ConversionDriver.java:656)
at com.goldencode.p2j.convert.ConversionDriver.main (ConversionDriver.java:1734)
Elapsed job time: 00:01:26.559
```

LE: GES removed the customer name, package and db name from this entry.

#2 - 04/16/2014 03:28 AM - Vadim Nebogatov

- Estimated time changed from 6.00 to 14.00

#3 - 04/16/2014 02:35 PM - Vadim Nebogatov

- File *vmn_upd20140416a.zip* added

- File *vmn_upd20140416b.zip* added

Attached *vmn_upd20140416a.zip* fixes first exception. It is possible some more errors also will be fixed. Attached *vmn_upd20140416b.zip* is test case. The only change in *p2j_test.df* is in field *schedule* (<db_name>.df contains a lot of such VALEXP attributes):

```
ADD FIELD "schedule" OF "Person" AS character
  FORMAT "x(64)"
  INITIAL ""
  SQL-WIDTH 650
  EXTENT 5
  *VALEXP "CAN-FIND(customer WHERE customer.Name = schedule[0])"*
  *VALMSG "Property Class mandatory."*
  ORDER 160
```

LE: GES removed the database name in this entry.

#4 - 04/18/2014 04:23 PM - Eric Faulhaber

Code review 20140416a:

The changes look OK to me. Please do a regular conversion regression test.

I will run a conversion of the current project and let you know whether this fixes the issues in the conversion log.

#5 - 04/18/2014 10:19 PM - Eric Faulhaber

With this fix, the `NullPointerException` (the 1st problem in note 1 above) no longer occurs. I don't see the other problems (2nd through 4th) in the log, however I didn't see these with my previous conversion using rev 10510, either.

If your conversion test is successful, please check in and distribute the update.

#6 - 04/19/2014 09:51 AM - Vadim Nebogatov

Update *vmn_upd20140416a.zip* committed to bzd rev.10512 and distributed.

#7 - 04/19/2014 02:43 PM - Eric Faulhaber

- Status changed from *WIP* to *Closed*

- % Done changed from 0 to 100

#8 - 11/16/2016 12:07 PM - Greg Shah

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

Files

vmn_upd20140416a.zip	18.5 KB	04/16/2014	Vadim Nebogatov
vmn_upd20140416b.zip	2.92 KB	04/16/2014	Vadim Nebogatov