

HBASE-25320

zhangduo

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Contents

Chapter 1

Root issue HBASE-25320

1.1 Summary

Upgrade hbase-thirdparty dependency to 3.4.1

1.2 Description

1.3 Attachments

No attachments

1.4 Comments

1. **apurtell:** Blocks 2.4.0RC0
2. **stack:** Merged to branch-2 and master. Thanks for the patch [~zhangduo]
3. **stack:** I think third-party was compiled w/ jdk11? I get this with it in place. Reopening and reverting till we figure it out.

```
{{ 2020-12-01 09:31:08,107 ERROR [RpcServer.default.FPBQ.Fifo.handler=2,queue=0,port=63923]
helpers.MarkerIgnoringBase(143): Master server abort: loaded coprocessors are: []}}
```

```
{{ 2020-12-01 09:31:08,108 ERROR [RpcServer.default.FPBQ.Fifo.handler=2,queue=0,port=63923]
helpers.MarkerIgnoringBase(159): ***** ABORTING master kalashnikov.attlocal.net,63923,1606843863480:
Number of failed RpcServer handler runs exceeded threshold 0.5; reason: java.lang.NoSuchMethodError:
java.nio.ByteBuffer.position(I)Ljava/nio/ByteBuffer;}}
```

```
{{ at org.apache.hbase.thirdparty.com.google.protobuf.CodedOutputStream$HeapNioEncoder.flush(CodedOutputStream
```

```
{{ at org.apache.hadoop.hbase.ipc.ServerCall.writeToCOS(ServerCall.java:376)}}}
```

```
{{ at org.apache.hadoop.hbase.ipc.ServerCall.createHeaderAndMessageBytes(ServerCall.java:383)}}}
```

```
{{ at org.apache.hadoop.hbase.ipc.ServerCall.createHeaderAndMessageBytes(ServerCall.java:361)}}}
```

```
{{ at org.apache.hadoop.hbase.ipc.ServerCall.setResponse(ServerCall.java:262)}}}
```

```

{{ at org.apache.hadoop.hbase.ipc.CallRunner.run(CallRunner.java:167)}}
{{ at org.apache.hadoop.hbase.ipc.RpcExecutor$Handler.run(RpcExecutor.java:338)}}
{{ at org.apache.hadoop.hbase.ipc.RpcExecutor$Handler.run(RpcExecutor.java:318)}}
{{ **** }}
{{ java.lang.NoSuchMethodError: java.nio.ByteBuffer.position(I)Ljava/nio/ByteBuffer;}}
{{ at org.apache.hbase.thirdparty.com.google.protobuf.CodedOutputStream$HeapNioEncoder.flush(CodedOutputStream.java:100)}}
{{ at org.apache.hadoop.hbase.ipc.ServerCall.writeToCOS(ServerCall.java:376)}}
{{ at org.apache.hadoop.hbase.ipc.ServerCall.createHeaderAndMessageBytes(ServerCall.java:383)}}
{{ at org.apache.hadoop.hbase.ipc.ServerCall.createHeaderAndMessageBytes(ServerCall.java:361)}}
{{ at org.apache.hadoop.hbase.ipc.ServerCall.setResponse(ServerCall.java:262)}}
{{ at org.apache.hadoop.hbase.ipc.CallRunner.run(CallRunner.java:167)}}
{{ at org.apache.hadoop.hbase.ipc.RpcExecutor$Handler.run(RpcExecutor.java:338)}}
{{ at org.apache.hadoop.hbase.ipc.RpcExecutor$Handler.run(RpcExecutor.java:318)}}

```

4. **stack:** Looking at the thirdparty jar, it looks right regards target compile: "javap -v ./org/apache/hbase/thirdparty/com/google/protobuf/Enum.class|grep major

major version: 51"

Building the thirdparty w/ rel/3.4.1 tag using jdk8, I don't get the above error anymore.

Let me look at updating the published binary.

5. **stack:** [~zhangduo] I think I need to make a new release so I can update the hbase-thirdparty binary.... a 3.4.2 with only difference being that it was built w/ jdk8. I can do it (you are busy this morning I believe).
6. **zhangduo:** Then why the pre commit jdk8 could succeeded? Strange.

I just uses the create release script, Iâ€™m fine with a new release but letâ€™s confirm the root problem first again?

Thanks.

7. **stack:** {quote}I just uses the create release script, Iâ€™m fine with a new release but letâ€™s confirm the root problem first again?

{quote}

Maybe you built outside of docker so you picked up jdk11 in your env?

I confirmed the issue to my satisfaction. If you. have a chance, perhaps confirm you see same thing (but you busy... so no prob).

8. **zhangduo:** Opened a PR against branch-2 to see if it works.
9. **zhangduo:** And I tried locally to write the large UTs in hbase-server module with 3.4.1. This is my java env.

```
openjdk version "1.8.0_252"
```

```
OpenJDK Runtime Environment (AdoptOpenJDK) (build 1.8.0_252-b09)
```

```
OpenJDK 64-Bit Server VM (AdoptOpenJDK) (build 25.252-b09, mixed mode)
```

At least the first UT TestFlushSnapshotFromClient passed. Checked the output, it started a mini cluster and uses rpc to communicate with the cluster, no problem.

So could you please provide more details on your environment and how you get this error?

Thanks.

10. **stack:** {{Thanks for checking.}}

{{I am unable to reproduce any more.}}

{{I lost my context because of forced restart but doing the below was how I used to reproduce it. I can't make it happen anymore. My context must have been polluted somehow.}}

{{Let me revert the revert of this patch on branch-2 and reresolve.}}

{{ \$ java -version }}

{{java version "1.8.0_191"}}

{{Java(TM) SE Runtime Environment (build 1.8.0_191-b12)}}

{{Java HotSpot(TM) 64-Bit Server VM (build 25.191-b12, mixed mode)}}

Checkout branch-2 w/o this patch. Full build. Run test "\$ mvn test -Dtest=TestRefreshRecoveredReplication".
It fails for me as it happens:

{{{{{{[ERROR] Tests run: 1, Failures: 1, Errors: 0, Skipped: 0, Time elapsed: 101.314 s «<
FAILURE! - in org.apache.hadoop.hbase.replication.regionserver.TestRefreshRecoveredReplication}}}}

{{{{[ERROR] org.apache.hadoop.hbase.replication.regionserver.TestRefreshRecoveredReplication.testReplicationRefreshSourceTime elapsed: 76.808 s «< FAILURE!}}}}

{{java.lang.AssertionError: Waiting timed out after [60,000] msec}}

{{ at org.apache.hadoop.hbase.replication.regionserver.TestRefreshRecoveredReplication.testReplicationRefreshSourceTime elapsed: 76.808 s «< FAILURE!}}}}

```
{{[INFO] Results:}}
```

```
{{[INFO]}}
```

```
{{[ERROR] Failures:}}
```

```
{{[ERROR] TestRefreshRecoveredReplication.testReplicationRefreshSource:138 Waiting timed  
out after [60,000] msec}}
```

But fails in the test.

No mention of 'NoSuchMethodError: java.nio.ByteBuffer.position(I)Ljava/nio/ByteBuffer;}'.

Now, add the updated hbase-thirdparty

```
git revert 78f30ff496c94f90ced6328c632272dce3582ab4
```

Rebuild with jdk8.

Rerun the test. Fails to start the Master in the test startup with the Master complaining NoSuchMethodError: java.nio.ByteBuffer.position(I)Ljava/nio/ByteBuffer

11. **stack:** Re-resolve. Mis-signal on my part. All seems to be good. Thanks for checking
[~zhangduo]
12. **hudson:** Results for branch master
[build #146 on builds.a.o|<https://ci-hadoop.apache.org/job/HBase/job/HBase%20Nightly/job/master/146/>]:
(/) *{color:green}+1 overall{color}*

details (if available):

(/) {color:green}+1 general checks{color}
-- For more information [see general report|<https://ci-hadoop.apache.org/job/HBase/job/HBase%20Nightly/job/master/146/>]:

(/) {color:green}+1 jdk8 hadoop3 checks{color}
-- For more information [see jdk8 (hadoop3) report|<https://ci-hadoop.apache.org/job/HBase/job/HBase%20Nightly/job/master/146/>]:

(/) {color:green}+1 jdk11 hadoop3 checks{color}
-- For more information [see jdk11 report|<https://ci-hadoop.apache.org/job/HBase/job/HBase%20Nightly/job/master/146/>]:

(/) {color:green}+1 source release artifact{color}
-- See build output for details.

(/) {color:green}+1 client integration test{color}

Chapter 2

Connected issue HBASE-25268

2.1 Summary

[hbase-thirdparty] Release 3.4.1

2.2 Description

2.3 Attachments

No attachments

2.4 Comments

1. **zhangduo:** Released 3.4.1RC0 as 3.4.1.

Chapter 3

Connected issue HBASE-25347

3.1 Summary

[hbase-thirdparty] Add max java version enforcer rule

3.2 Description

See HBASE-25320 where a release of hbase-thirdparty failed when used in a jdk8 built.

3.3 Attachments

No attachments

3.4 Comments

No comments