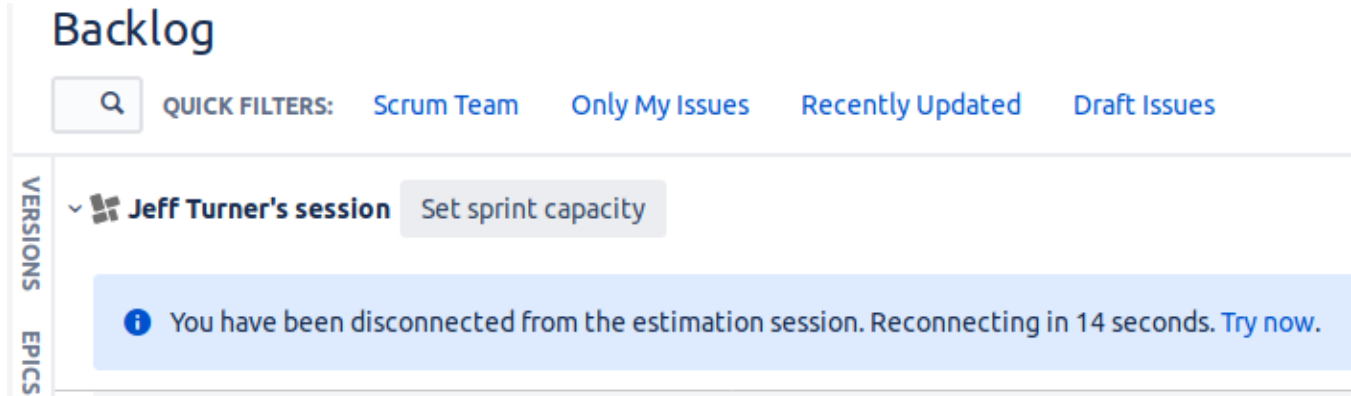# Agile Planning Poker broken on Java 11

> ⓘ This page constitutes random notes from my work day as an Atlassian product consultant, put up in the vague hope they might benefit others. Expect rambling, reference to unsolved problems, and plenty of stacktraces. **Check the date** as any information given is likely to be stale.

Half of today was spent finding out why the Spartez Planning Poker for Jira plugin was broken on a recently upgraded Jira 8.5.1 system. Users are not able to join a session:

Backlog

Q QUICK FILTERS: Scrum Team   Only My Issues   Recently Updated   Draft Issues

VERSIONS

∨ 🗓 **Jeff Turner's session** Set sprint capacity

EPICS

ⓘ You have been disconnected from the estimation session. Reconnecting in 14 seconds. Try now.
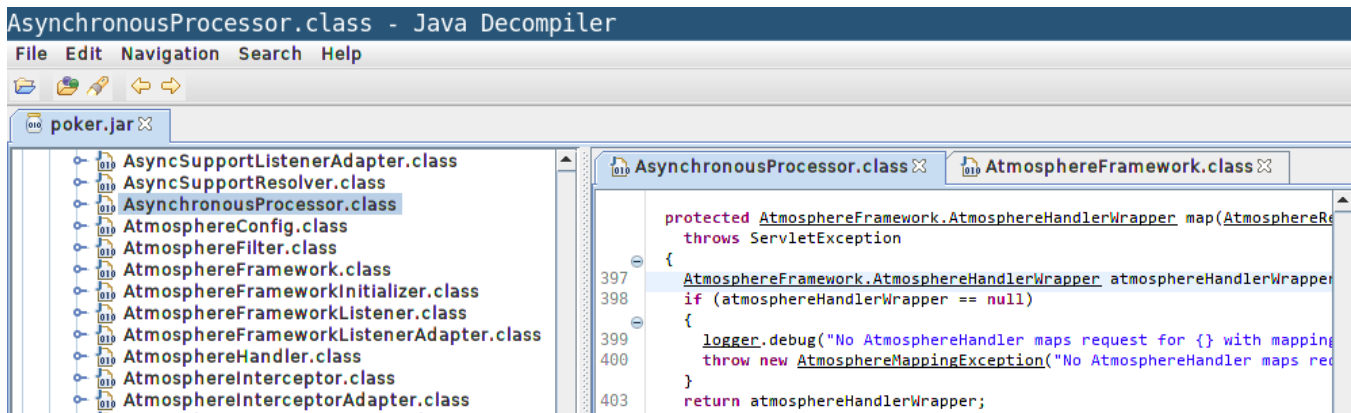
and `atlassian-jira.log` contains an interesting tracktrace:

```
2019-11-26 22:49:22,854 ajp-nio-127.0.0.100-8009-exec-1668 ERROR      [o.a.c.c.C.[.[localhost].[/].[servlet-
module-container-servlet]] Servlet.service() for servlet [servlet-module-container-servlet] in context with
path [] threw exception
java.lang.NullPointerException
        at org.atmosphere.cpr.AsynchronousProcessor.map(AsynchronousProcessor.java:397)
        at org.atmosphere.cpr.AsynchronousProcessor.action(AsynchronousProcessor.java:185)
        at org.atmosphere.cpr.AsynchronousProcessor.suspended(AsynchronousProcessor.java:114)
        at org.atmosphere.container.Servlet30CometSupport.service(Servlet30CometSupport.java:67)
        at org.atmosphere.cpr.AtmosphereFramework.doCometSupport(AtmosphereFramework.java:2300)
        at com.spartez.pokerng.atmosphere.SpartezAtmosphereFilter.doFilter(SpartezAtmosphereFilter.java:109)
        ... 14 filtered
        at com.atlassian.jira.security.JiraSecurityFilter.lambda$doFilter$0(JiraSecurityFilter.java:66)
```

When plugins break and I've no clue as to why, my general process is to copy the plugin jar locally, load the classes into a Java decompiler and hope something leaps out:

```
/usr/lib/jvm/java-1.8.0-openjdk-amd64/bin/java -cp /tmp/poker.jar -jar /opt/jd-gui/jd-gui.jar    # Note: doesn't
work with Java 11
```

AsynchronousProcessor.class - Java Decompiler

File Edit Navigation Search Help

📁 📕 🔧 ⇦ ⇨

📄 poker.jar ⊠

- ⊶ 📄 AsyncSupportListenerAdapter.class
- ⊶ 📄 AsyncSupportResolver.class
- ⊶ 📄 AsynchronousProcessor.class
- ⊶ 📄 AtmosphereConfig.class
- ⊶ 📄 AtmosphereFilter.class
- ⊶ 📄 AtmosphereFramework.class
- ⊶ 📄 AtmosphereFrameworkInitializer.class
- ⊶ 📄 AtmosphereFrameworkListener.class
- ⊶ 📄 AtmosphereFrameworkListenerAdapter.class
- ⊶ 📄 AtmosphereHandler.class
- ⊶ 📄 AtmosphereInterceptor.class
- ⊶ 📄 AtmosphereInterceptorAdapter.class

📄 AsynchronousProcessor.class ⊠   📄 AtmosphereFramework.class ⊠

```
        protected AtmosphereFramework.AtmosphereHandlerWrapper map(AtmosphereRe
          throws ServletException
      {
397     AtmosphereFramework.AtmosphereHandlerWrapper atmosphereHandlerWrapper
398     if (atmosphereHandlerWrapper == null)
      {
399       logger.debug("No AtmosphereHandler maps request for {} with mapping
400       throw new AtmosphereMappingException("No AtmosphereHandler maps req
      }
403     return atmosphereHandlerWrapper;
```

In this case, nothing leapt out.

So on to the tedious business of restoring a backup from a last-known-working time, which was before the 8.5.1 upgrade.

In summary, it's Java 11. The plugin isn't compatible. I file a bug with Spartez, and am told it's already known:

Bruno Raymundo 12 hours ago

Hi, Jeff!

Thank you for all the details provided. We can confirm that this issue is caused by a known bug. The internal bug report was linked to this support ticket and you will be notified when there is an update.
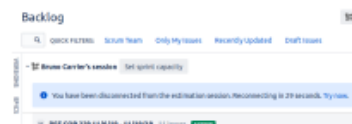
In the meantime, let us know in case you have any additional questions or face any obstacles. We'll be glad to help!

Best regards,

Bruno Raymundo
Spartez Software Support

Jeff Turner 13 hours ago

DETAILS 13 hours ago

Give us more detail *

Hi,

Jira 8.5 is (I think) the first release to support Java 11 (https://confluence.atlassian.com/adminjiraserver/supported-platforms-938846830.html).

Unfortunately it appears Agile Poker Enterprise for JIRA 5.4.9 is not Java 11 compatible. When I try to join a planning session, I just get an "You have been disconnected from the estimation session. " error (see screenshot). The logs contain a stacktrace:

```
java.lang.NullPointerException
    at org.atmosphere.cpr.AsynchronousProcessor.map(AsynchronousProcessor.java:397)
    at org.atmosphere.cpr.AsynchronousProcessor.action(AsynchronousProcessor.java:185)
    at org.atmosphere.cpr.AsynchronousProcessor.suspended(AsynchronousProcessor.java:114)
    at org.atmosphere.container.Servlet30CometSupport.service(Servlet30CometSupport.java:67)
    at org.atmosphere.cpr.AtmosphereFramework.doCometSupport(AtmosphereFramework.java:2300)
    at com.spartez.pokerng.atmosphere.SpartezAtmosphereFilter.doFilter(SpartezAtmosphereFilter.java:109)
    ... 14 filtered
```

If I run Jira using Java 1.8, Planning Poker works.

I have attached logs from both Java 1.8 and Java 11 for comparison. I had enabled TRACE-level logging of the relevant packages in log4j.properties:

```
log4j.logger.org.atmosphere.cpr = TRACE, filelog
log4j.additivity.org.atmosphere.cpr = false

log4j.logger.com.spartez.pokerng = TRACE, filelog
```

```
log4j.additivity.org.atmosphere.cpr = true

log4j.logger.com.spartez.pokerng.atmosphere = TRACE, filelog
log4j.additivity.org.atmosphere.cpr = true
```

Which product is this for? *
Agile Poker for Jira

How is your Jira hosted? *
Self-hosted (Server or Data Center)

Grr! Why can't companies make their issue trackers public, like Atlassian and Adaptavist? Why does every customer need to re-discover problems and re-file feature requests in 'Support' portals?