

D4Science Infrastructure - Incident #425

Species Discovery Portlet loop infinitely when an error occurs in the service

Jul 23, 2015 06:34 PM - Massimiliano Assante

Status:	Closed	Start date:	Jul 23, 2015
Priority:	Urgent	Due date:	
Assignee:	Francesco Mangiacrapa	% Done:	100%
Category:	Other	Estimated time:	0.00 hour
Target version:	UnSprintable		
Infrastructure:	Production		
Description			
Species Discovery Portlet loop infinitely when an error occurs in the service			

History

#1 - Jul 24, 2015 12:48 PM - Massimiliano Assante

- Priority changed from High to Urgent

this issue must be resolved asap

#2 - Jul 24, 2015 02:54 PM - Francesco Mangiacrapa

- Status changed from New to In Progress

- % Done changed from 0 to 100

The problem is due to Result Set disposed. The exception is generated by ResultSetStream in case of reading timeout on (Datasource) data.

```
java.lang.RuntimeException: ResultSet disposed
at org.gcube.data.streams.adapters.ResultSetStream.delegateHasNext(ResultSetStream.java:126)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
at org.gcube.data.streams.LookAheadStream.hasNext(LookAheadStream.java:60)
at org.gcube.data.streams.delegates.PipedStream.delegateHasNext(PipedStream.java:41)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
at org.gcube.data.streams.LookAheadStream.hasNext(LookAheadStream.java:60)
at org.gcube.data.streams.delegates.PipedStream.delegateHasNext(PipedStream.java:41)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
at org.gcube.data.streams.LookAheadStream.hasNext(LookAheadStream.java:60)
at org.gcube.portlets.user.speciesdiscovery.server.service.StreamIterator.hasNext(StreamIterator.java:29)
at org.gcube.portlets.user.speciesdiscovery.server.stream.ConversionIterator.hasNext(ConversionIterator.java:32)
at org.gcube.portlets.user.speciesdiscovery.server.stream.ConversionIterator.hasNext(ConversionIterator.java:32)
at org.gcube.portlets.user.speciesdiscovery.server.stream.AggregatorIterator.hasNext(AggregatorIterator.java:42)
at org.gcube.portlets.user.speciesdiscovery.server.session.Fetcher.run(Fetcher.java:70)
at java.lang.Thread.run(Thread.java:745)
2015-07-24 10:49:38,728 ERROR stream.ConversionIterator [Thread-114,next:54] %java.lang.RuntimeException: ResultSet disposed
at org.gcube.data.streams.adapters.ResultSetStream.delegateHasNext(ResultSetStream.java:126)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
at org.gcube.data.streams.LookAheadStream.hasNext(LookAheadStream.java:60)
at org.gcube.data.streams.delegates.PipedStream.delegateHasNext(PipedStream.java:41)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
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at org.gcube.data.streams.delegates.PipedStream.delegateHasNext(PipedStream.java:41)
at org.gcube.data.streams.LookAheadStream.lookAhead(LookAheadStream.java:71)
at org.gcube.data.streams.LookAheadStream.hasNext(LookAheadStream.java:60)
at org.gcube.portlets.user.speciesdiscovery.server.service.StreamIterator.hasNext(StreamIterator.java:29)
at org.gcube.portlets.user.speciesdiscovery.server.stream.ConversionIterator.hasNext(ConversionIterator.java:32)
at org.gcube.portlets.user.speciesdiscovery.server.stream.ConversionIterator.hasNext(ConversionIterator.java:32)
at org.gcube.portlets.user.speciesdiscovery.server.stream.AggregatorIterator.hasNext(AggregatorIterator.java:42)
at org.gcube.portlets.user.speciesdiscovery.server.session.Fetcher.run(Fetcher.java:70)
at java.lang.Thread.run(Thread.java:745)
```

Sometimes the exception does not close the iterator properly generating all source.next as null and the portlet goes in loop because continues to read result set.

Therefore, I've added a policy of "tolerance" that: if two consecutive row fetched are null the stream is closed by the portlet (to avoid a loop)

#3 - Jul 24, 2015 02:58 PM - Massimiliano Assante

- Status changed from In Progress to Feedback

the patched portlet was hot deployed on production on bot i-marine and services portals, please test it and if everything's ok close the ticket

#4 - Jul 24, 2015 04:12 PM - Francesco Mangiacrapa

- Status changed from Feedback to Closed

The patched portlet seems work fine on i-marine and services.d4science