OWLExporterDemo

Submitted by <u>Mysran</u> [1] on Thu, 2016-03-03 06:22

- <u>Semantic Software Tools and Resources</u> [2]

Hello,

I am facing problem working with the tool. I tried replacing the text in demo.txt and got the below error. Please advise on this.

Regards,
Mysran

java.util.NoSuchElementException
at java.util.HashMap$HashIterator.nextNode(Unknown Source)
at java.util.HashMap$ValueIterator.next(Unknown Source)
at gate.annotation.AnnotationSetImpl$AnnotationSetIterator.next(AnnotationSetImpl.java:220)
at gate.annotation.AnnotationSetImpl$AnnotationSetIterator.next(AnnotationSetImpl.java:205)
at mention_map_domain_nlp_relation.Domain_appearsIn_Sentence(file:/D:/Research/KM/Concept_Maps/Ontology/Software/gate-8.1-build5169-BIN/plugins/OwlExporter/gate/application-resources/grammars/mention_map_domain_nlp_relation.jape:37)
at gate.jape.RightHandSide.transduce(RightHandSide.java:344)
at gate.jape.SinglePhaseTransducer.fireRule(SinglePhaseTransducer.java:690)
at gate.jape.SinglePhaseTransducer.transduce(SinglePhaseTransducer.java:354)
at gate.jape.MultiPhaseTransducer.transduce(MultiPhaseTransducer.java:188)
at gate.jape.Batch.transduce(Batch.java:204)
at gate.creole.Transducer.execute(Transducer.java:166)
at gate.util.Benchmark.executeWithBenchmarking(Benchmark.java:291)
at gate.creole.SerialController.runComponent(SerialController.java:225)
at gate.creole.SerialController.executeImpl(SerialController.java:157)
at gate.creole.SerialAnalyserController.executeImpl(SerialAnalyserController.java:223)
at gate.creole.SerialAnalyserController.execute(SerialAnalyserController.java:126)
at gate.util.Benchmark.executeWithBenchmarking(Benchmark.java:291)
at gate.gui.SerialControllerEditor$RunAction$1.run(SerialControllerEditor.java:1728)
at java.lang.Thread.run(Unknown Source)

<u>‹ NFR Classifier Pipeline Installation problem</u> [3] <u>How to use Mutation Miner ›</u> [4]

[5]

Please see existing answer

Submitted by rene on Thu, 2016-03-03 07:19.

Hi,

This is the same issue as discussed in this question:

http://www.semanticsoftware.info/forum/nosuchelementexception-when-runni... [6]

Best, René

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Submitted by Mysran on Thu, 2016-03-03 07:57.

Hello,

Thanks for the reply. I have few queries on the comment made in the provided thread. I am copying that below...

"the reason is that the demo pipeline is *very* minimal, we only included resources and (hard-coded) rules to handle the short demo text. It shows you how the annotations need to be set up for OWL export, but for a real application pipeline, you'd need more sophisticated PRs (e.g., a parser for relation detection) or JAPE grammars."

Q1. By meaning "demo pipeline is *very* minimal", do you mean domain.owl which defines about a particular domain(like person, organisation and location)? If yes, what I am using as text in demo.txt is also similar, but still gets the error.

Q2. Please advise on the hard-coded rules. Where are these rules defined? I searched the folder OwlExporter\gate\application-resources\grammars for "Nick", "Montreal" but didn't find anything.

Q3. Please advice how to accomplish this(you'd need more sophisticated PRs).

Thank you once again for the reply.

Regards,
Mysran

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[5]

Please check the GATE User's Guide and Training Material

Submitted by rene on Sun, 2016-03-13 19:31.

Hello,

Your questions are mostly about how to use GATE, which is out of the scope of this forum. I recommend you check out the GATE User's Guide and Training Course material.

Specifically,

- Q1: The export rules were specifically written for the demo text, to show how to setup correct mapping annotations for the OWL export process, as described in the OwlExporter User's Guide.
- Q2: As with any other GATE pipeline, the best way to view it is to open it in the GATE Developer GUI. You can find the rules in the "Jape Main" Transducer.
- Q3: This is entirely dependent on your application domain. OwlExporter is meant for the use case of exporting the results from an *existing* pipeline to an *existing* ontology. If you lack either, you will need to refer to the literature on ontology design or text mining pipeline development.

Regards, René

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[1] https://www.semanticsoftware.info/users/mysran
[2] https://www.semanticsoftware.info/forums/tools-resources-forum/durm-corpus-wiki-tools
[3] https://www.semanticsoftware.info/forum/nfr-classifier-pipeline-installation-problem
[4] https://www.semanticsoftware.info/forum/how-use-mutation-miner
[5] https://www.semanticsoftware.info/users/rene
[6] http://www.semanticsoftware.info/forum/nosuchelementexception-when-running-owlexporterdemo