Infrastructure - Task #8078

Story # 8061 (New): develop queue-based processing system for the CN

standardize task serialization for language independence

2017-04-24 22:14 - Rob Nahf

Status:	New	**Start date:**	2017-04-24
Priority:	Normal	**Due date:**	
Assignee:	Rob Nahf	**% Done:**	0%
Category:	d1_indexer	**Estimated time:**	0.00 hour
Target version:			
Milestone:	None	**Story Points:**	
Product Version:	*		

Description

the prototype code is using Java Serialization to turn the IndexTasks into byte[]. We should use a more universal messaging standard, like JSON, Mime Multipart, or XML.

If JSON, Java would need to determine the parsing library (Jackson seems like a decend choice).

History

#1 - 2017-04-24 22:51 - Rob Nahf

- Assignee changed from Dave Vieglais to Rob Nahf

#2 - 2017-04-25 22:39 - Rob Nahf

also look at Google's protocol buffers: https://developers.google.com/protocol-buffers/docs/overview

It requires code generation of the Java class (https://developers.google.com/protocol-buffers/docs/javatutorial)

1. create a .proto data format definition
2. download the protocol buffer compiler
3. compile the .proto data format from the command line
4. use the resulting Java class.

maybe useful? https://github.com/hopped/rabbitmq-protobuf/blob/master/src/main/resources/java/gen-java.sh