Code inspection documents

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1. Assigned class and methods

The assigned class is ConnectionPoolObjectsUtils class(location: appserver/connectors/connectorsruntime/src/main/java/com/sun/enterprise/connectors/util/ConnectionPoolObjectsUtils.java),there are five methods:

○ createSunRaConnectorPoolObject(PoolInfo poolInfo , ConnectorDescriptor desc , String rarName)

○convertSpecTxSupportToContainerTxSupport(javax . resource . spi . TransactionSupport . TransactionSupportLevel mcfTS)

○parseTransactionSupportString(String txSupport)

○isPoolSystemPool(String poolName)

○setLazyEnlistAndLazyAssocProperties(String lazyAssocString , List < Property > properties , ConnectorConnectionPool conConnPool)

2. Functional role of the assigned methods

To understand the behaviour of the class and methods, we have follow this strategy:

○Read associated Javadoc;

○Search for objects type in the other classes of source code;

○Detailed reading of source code

○Check the online version of GlassFish manual, to better

understand the relations between classes and packages.

2.1 isPoolSystemPool(org.glassfish.connectors.config.Co nnectorConnectionPool

Creates ConnectorConnectionPool object pertaining to the pool props mentioned in the sun-ra/xml i.e it represents the pool mentioned in the sun-ra.xm.

2.2 convertSpecTxSupportToContainerTxSupport(javax. resource.spi.TransactionSupport.TransactionSupportLe vel mcfTS)

Return the interger representation container transaction support value equivalent to the javax.resource.spi.TransactionSupport enum value.

2.3 parseTransactionSupportString(String txSupport)

Return the integer representation of the transaction-support attribure

2.4 isPoolSystemPool(String poolName)

If pool name contains more than 2 #, return false as the default system pool will have exacly one # for a standalone rar and exactly two #s for an embedded rar

2.5 setLazyEnlistAndLazyAssocProperties(String lazyAssocString , List < Property > properties , ConnectorConnectionPool conConnPool)

Validates and sets the values for LazyConnectionEnlistment and LazyConnectionAssociation.

3. List of issues

In general, we have founded that the following rules (rules that are in the PDF file

("Assignment 3") are not been satisfied:

Rule numbers	Problem
7	Constant is not the uppercase
8	Indention a row
11	After if,there is no brace
18	There is not any comment for the method or variables
23	The java document is not complete
31	Object is not be initialized
40	Comparation is not with equals
54	Return without break

In the following table there are all the details about the problems found, with line

number, the number of the rule and a comment.

Rule number	Line number	Comments
7	88	Final string is not the uppercase
7	90	Final string is not the uppercase
8	249	There is a row that is indented
8	250	There is a row that is indented
8	376	There is a row that is indented
8	379	There is a row that is indented
8	413	There is a row that is indented
11	379	After if,there is no brace
11	401	After if,there is no brace
18	247	There is no comments
23	84	Javadoc missed for variable:

		VALIDATE_ATMOST_EVERY_IDLE_SECS
23	87	Javadoc missed for variable: VALIDATE_ATMOST_EVERY_IDLE_SECS _PRO
23	89	Javadoc missed for variable: LOCAL_STRINGS
23	131	Javadoc missed for method setDefaultAdvancedPoolAttributes():
31	207	Object is not be initialized
40	401	Comparation is not with equals
54	379	Return without break
54	381	Return without break