


	A	B	C	D	E	F	G	H
1	<b>BusinessEvents 4.x migration from Coherence to ActiveSpaces</b>							
2	Search string 'import com.tangosol'. 4.0 Leo branch. 406 usages as of Jan 14, 2010							
3								
4	Priority level	Folder/Package/Java class	Import statements	# Tangosol import statements	# lines of code in file(s)	Effort level	Comments	% complete
5	[Legend]				[Total] 19994	[Legend] 100 means code requires re-design or a maior re-write	[Note] Notes about unused code might be slightly off - Reflection usage and some IntelliJ 9 search problems	
6								
7								
8								
9								
10								
11								
12	↓	Q:\be\trunk\leo\common\test\com\tibco\cep\_retired_					Retired or test code	100
13		ClusterLockManager.java			125			
14			import com.tangosol.net.NamedCache;					
15		CoherenceLockManagerImpl.java			60			
16			import com.tangosol.net.NamedCache;					
17		Q:\be\trunk\leo\common\test\com\tibco\cep\lockmanager						
18		AbstractClusterLockManagerTest.java			221			
19			import com.tangosol.net.NamedCache;					
20		ClusterLockManagerTest.java			18			
21			import com.tangosol.net.CacheFactory;					
22			import com.tangosol.net.NamedCache;					
23		ConcurrentLockManagerLogRecordTest.java			21			
24			import com.tangosol.net.CacheFactory;					
25			import com.tangosol.net.NamedCache;					
26		ConcurrentLockManagerTest.java			18			
27			import com.tangosol.net.CacheFactory;					
28			import com.tangosol.net.NamedCache;					
29		Q:\be\trunk\leo\common\test\com\tibco\cep\runtime\metrics\impl						
30		RawAsyncWorkerStopWatchTest.java			82			
31			import com.tangosol.net.CacheFactory;					
32			import com.tangosol.net.NamedCache;					
33			import com.tangosol.util.MapEvent;					
34			import com.tangosol.util.MapListener;					
35		RawLockManagerStopWatchTest.java			91			
36			import com.tangosol.net.CacheFactory;					
37			import com.tangosol.net.NamedCache;					
38			import com.tangosol.util.MapEvent;					
39			import com.tangosol.util.MapListener;					
40		RawReteStopWatchTest.java			133			
41			import com.tangosol.net.CacheFactory;					
42			import com.tangosol.net.NamedCache;					
43			import com.tangosol.util.MapEvent;					
44			import com.tangosol.util.MapListener;					
45	↗	Q:\be\trunk\leo\examples\be_enterprise\bql\src\com\tibco\cep\query\bql\			1			
46		BQLAgent.java			53			
47			import com.tangosol.util.UID;					

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48	↓	Q:\be\trunk\leo\query\test\com\tibco\cep\query\benchmark\query\sender		4			Retired or test code	100
49		MTSendLauncher.java		3	235			
50			import com.tangosol.net.CacheFactory;					
51			import com.tangosol.net.NamedCache;					
52			import com.tangosol.util.UID;					
53		MTSender.java		1	71			
54			import com.tangosol.net.NamedCache;					
55	↓	Q:\be\trunk\leo\query\test\com\tibco\cep\query\exec\impl		2				
56		ReteIntegTest2WithGeneratedCode.java		1	78			
57			import com.tangosol.net.NamedCache;					
58		ReteIntegTestWithGeneratedCode.java		1	87			
59			import com.tangosol.net.NamedCache;					
60		Q:\be\trunk\leo\query\test\com\tibco\cep\query\stream\framework		5				
61		AbstractCacheTest.java		1	104			
62			import com.tangosol.net.NamedCache;					
63		AgentServiceImpl.java		4	158			
64			import com.tangosol.net.CacheFactory;					
65			import com.tangosol.net.NamedCache;					
66			import com.tangosol.util.MapEvent;					
67			import com.tangosol.util.MapListener;					
68	↓	Q:\be\trunk\leo\query\test\com\tibco\cep\query\stream\rete		11				
69		ReteBothAddDelEvtAggrTest.java		1	201			
70			import com.tangosol.net.NamedCache;					
71		ReteCQAddDelEvtAggrTest.java		1	193			
72			import com.tangosol.net.NamedCache;					
73		ReteCQAddDelEvtSlidingWAggrTest.java		1	131			
74			import com.tangosol.net.NamedCache;					
75		ReteCQAddModConTest.java		1	184			
76			import com.tangosol.net.NamedCache;					
77		ReteCQClassHierarchyTest.java		1	111			
78			import com.tangosol.net.NamedCache;					
79		ReteCQJoinConTest.java		1	133			
80			import com.tangosol.net.NamedCache;					
81		ReteCQNullSimulatorTest.java		1	145			
82			import com.tangosol.net.NamedCache;					
83		ReteSSAddEvtAggrTest.java		1	168			
84			import com.tangosol.net.NamedCache;					
85		ReteSSAddEvtPassThruBridgeTest.java		1	70			
86			import com.tangosol.net.NamedCache;					
87		ReteSSEvtTruncBridgeTest.java		1	71			
88			import com.tangosol.net.NamedCache;					
89		ReteSSPreFilterTest.java		1	103			
90			import com.tangosol.net.NamedCache;					
91	↓	Q:\be\trunk\leo\query\test\com\tibco\cep\query\stream\rete\perf		3				
92		ReteCQAddEvtSlidWinAggrPerfTest.java		1	129			
93			import com.tangosol.net.NamedCache;					
94		ReteSSAddEvtPassThruBridgePerfTest.java		2	79			
95			import com.tangosol.net.NamedCache;					
96			import com.tangosol.dev.assembler.Op;					
97	↓	Q:\be\trunk\leo\query\test\com\tibco\cep\runtime\service\om\coherence\		1				
98		TSafeHashMap.java		1	4			

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99			import com.tangosol.util.SafeHashMap;					
100		com.tibco.be.functions.cluster		2		●	Dropping support. Needs to be redesigned	
101	➡	ClusterFunctions.java		2	317			
102			import com.tangosol.io.ExternalizableLite;					
103			import com.tangosol.util.ExternalizableHelper;					
104		com.tibco.be.functions.coherence		9				
105	⬆	CoherenceFunctions.java		3	267	●	Critical Cache-only mode functions - lock/unlock/load etc	
106			import com.tangosol.net.CacheFactory;					
107			import com.tangosol.net.NamedCache;					
108			import com.tangosol.util.ValueExtractor;					
109	➡	NamedCacheAPI.java		6	421			
110			import com.tangosol.net.*;					
111			import com.tangosol.run.xml.SimpleDocument;					
112			import com.tangosol.run.xml.XmlDocument;					
113			import com.tangosol.run.xml.XmlElement;					
114			import com.tangosol.run.xml.XmlHelper;					
115			import com.tangosol.util.TransactionMap;					
116	➡	com.tibco.be.functions.coherence.extractor		4		●		
117		CoherenceExtractorFunctions.java		4	93			
118			import com.tangosol.util.ValueExtractor;					
119			import com.tangosol.util.extractor.AbstractExtractor;					
120			import com.tangosol.util.extractor.ChainedExtractor;					
121			import com.tangosol.util.extractor.ReflectionExtractor;					
122		com.tibco.be.functions.coherence.filters		4		●		
123		CoherenceFilterFunctions.java		3	135			
124			import com.tangosol.util.Filter;					
125			import com.tangosol.util.ValueExtractor;					
126			import com.tangosol.util.filter.*;					
127		DeserializationDecoratorFilter.java		1	5			
128			import com.tangosol.util.ValueExtractor;					
129	➡	com.tibco.be.functions.coherence.query		5		●		
130		CoherenceQueryFunctions.java		5	310			
131			import com.tangosol.net.CacheFactory;					
132			import com.tangosol.net.NamedCache;					
133			import com.tangosol.util.Filter;					
134			import com.tangosol.util.InvocableMap;					
135			import com.tangosol.util.processor.AbstractProcessor;					
136		com.tibco.be.jdbcstore		4				
137	➡	BECoherenceJdbcStore.java		4	1329			
138			import com.tangosol.io.ExternalizableLite;			●	Convert format	
139			import com.tangosol.net.cache.AbstractCacheStore;					
140			import com.tangosol.net.cache.CacheStore;					
141			import com.tangosol.util.ExternalizableHelper;					
142		com.tibco.be.migration.expimp.providers.cache		17				
143	➡	AbstractStore.java		7	104	●	Redesign	
144			import com.tangosol.run.xml.XmlDocument;					
145			import com.tangosol.run.xml.XmlHelper;					
146			import com.tangosol.run.xml.XmlElement;					
147			import com.tangosol.net.ConfigurableCacheFactory;					
148			import com.tangosol.net.DefaultConfigurableCacheFactory;					
149			import com.tangosol.net.CacheFactory;					

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150			import com.tangosol.net.NamedCache;					
151	➤	CacheStore.java		2	127	●	Redesign	
152			import com.tangosol.net.NamedCache;					
153			import com.tangosol.net.CacheFactory;					
154	➤	ConceptStore.java		1	16			
155			import com.tangosol.io.ExternalizableLite;			●	Unnecessary	
156	➤	EntityStore.java		6	161	●	Redesign	
157			import com.tangosol.net.NamedCache;					
158			import com.tangosol.net.CacheFactory;					
159			import com.tangosol.util.TransactionMap;					
160			import com.tangosol.util.ConcurrentMap;					
161			import com.tangosol.util.filter.AlwaysFilter;					
162			import com.tangosol.io.ExternalizableLite;			●	Convert format	
163	➤	EventStore.java		1	16			
164			import com.tangosol.io.ExternalizableLite;			●	Convert format	
165	➤	com.tibco.be.migration.expimp.providers.csv		1				
166		CSVLoader.java		1	72			
167			import com.tangosol.net.NamedCache;					
168	➤	com.tibco.be.oracle		5				
169		BECoherenceOracleStore.java		4	1729			
170			import com.tangosol.io.ExternalizableLite;			●	Convert format	
171			import com.tangosol.net.cache.AbstractCacheStore;					
172			import com.tangosol.net.cache.CacheStore;					
173			import com.tangosol.util.ExternalizableHelper;					
174	➤	OracleEntityAdapter.java		1	83			
175			import com.tangosol.io.ExternalizableLite;			●	Convert format	
176		com.tibco.be.oracle.impl		3				
177	➤	ControllableAgent.java		1	2			
178			import com.tangosol.net.AbstractInvocable;					
179	➤	ManageConnection.java		2	51			
180			import com.tangosol.io.ExternalizableLite;			●	Convert format	
181			import com.tangosol.net.InvocationService;					
182	➤	com.tibco.cep.query.stream.impl.cache		2				
183		PrimaryLocalCache.java		1	25			
184			import com.tangosol.net.cache.LocalCache;			●	Missing AS feature	
185		SimpleLocalCache.java		1	20			
186			import com.tangosol.net.cache.LocalCache;			●	Missing AS feature	
187		com.tibco.cep.query.stream.impl.rete.integ		7				
188		AbstractSharedObjectSource.java		1	78			
189			import com.tangosol.net.NamedCache;			●	Redesign	
190		CacheListener.java		1	76			
191			import com.tangosol.util.Filter;			●	Redesign	
192		CoherenceFilterHelper.java		1	36			
193			import com.tangosol.util.Filter;			●	Redesign. Major work. Remote code execution. Requires all BE objects to be no-opaque	
194		EntityLoaderImpl.java		4	68			
195			import com.tangosol.net.NamedCache;			●	Redesign. Major work. Remote code execution. Requires all BE objects to be no-opaque	
196			import com.tangosol.util.Filter;			●	Redesign	
197			import com.tangosol.util.filter.AlwaysFilter;			●		
198			import com.tangosol.util.filter.AnyFilter;			●		

	A	B	C	D	E	F	G	H
199	➡	com.tibco.cep.query.stream.impl.rete.integ.container		2				
200		SharedObjectSourceImpl.java		1	5			
201		import com.tangosol.net.NamedCache;				●	Redesign	
202		SharedObjectSourceRepositoryImpl.java		1	18			
203		import com.tangosol.net.NamedCache;				●	Redesign	
204	➡	com.tibco.cep.query.stream.impl.rete.integ.metrics		1				
205		CoherenceMetricDataListener.java		1	94			
206		import com.tangosol.util.Filter;				●	Remote code execution. Redesign	
207	➡	com.tibco.cep.query.stream.impl.rete.integ.standalone		2				
208		DefaultDelegateRepository.java		1	18			
209		import com.tangosol.net.NamedCache;				●	Redesign	
210		QueryTypeInfo.java		1	34			
211		import com.tangosol.net.NamedCache;				●	Redesign	
212	➡	com.tibco.cep.query.stream.impl.rete.service		2				
213		QueryAgent.java		2	133			
214		import com.tangosol.net.CacheFactory;				●	Redesign	
215		import com.tangosol.net.NamedCache;				●		
216		com.tibco.cep.runtime.management.impl.adapter.child		5				
217	➡	RegisterListenerTask.java		3	22			
218		import com.tangosol.net.CacheFactory;				●	Redesign	
219		import com.tangosol.net.DistributedCacheService;				●		
220		import com.tangosol.net.Service;				●		
221	➡	RemoteCoherenceMetricTableImpl.java		2	104			
222		import com.tangosol.net.CacheFactory;				●	Redesign	
223		import com.tangosol.net.DistributedCacheService;				●		
224	➡	com.tibco.cep.runtime.management.impl.adapter.util		1				
225		CoherenceFQNameFilterFactory.java		1	17			
226		import com.tangosol.util.Filter;				●	Redesign. Remote code execution. Need to change format to non-opaque	
227	➡	com.tibco.cep.runtime.management.impl.cluster		8				
228		CoherenceCacheTable.java		2	34			
229		import com.tangosol.net.CacheFactory;				●	Redesign	
230		import com.tangosol.net.DistributedCacheService;				●		
231		CoherenceManagementTable.java		2	17			
232		import com.tangosol.net.CacheFactory;				●		
233		import com.tangosol.net.NamedCache;				●	Redesign	
234		CoherenceMetricTable.java		4	104			
235		import com.tangosol.net.CacheFactory;				●		
236		import com.tangosol.net.NamedCache;				●	Redesign	
237		import com.tangosol.util.MapEvent;				●		
238		import com.tangosol.util.MapListener;				●	Redesign	
239	⬆	com.tibco.cep.runtime.model.element.impl		1				
240		StateMachineConceptImpl.java		1	264	●		
241		import com.tangosol.io.ExternalizableLite;						
242	⬆	com.tibco.cep.runtime.model.serializers		7				
243		ConceptBytesHandler.java		1	34			
244		import com.tangosol.util.ExternalizableHelper;				●		
245		DataInputConceptDeserializer.java		1	281			
246		import com.tangosol.io.pof.PofReader;				●		
247		DataInputConceptDeserializer_NoNullProps.java		1	282			
248		import com.tangosol.io.pof.PofReader;				●		

	A	B	C	D	E	F	G	H
249		<b>DataInputStateMachineDeserializer.java</b>		1	81			
250		import com.tangosol.io.pof.PofReader;				●		
251		<b>DataOutputConceptSerializer.java</b>		1	296			
252		import com.tangosol.io.pof.PofWriter;				●		
253		<b>DataOutputConceptSerializer_NoNullProps.java</b>		1	300			
254		import com.tangosol.io.pof.PofWriter;				●		
255		<b>DataOutputStateMachineSerializer.java</b>		1	78			
256		import com.tangosol.io.pof.PofWriter;				●		
257		<b>com.tibco.cep.runtime.service.om</b>		1				
258		<b>PropertyKey.java</b>		1	33			
259		import com.tangosol.io.ExternalizableLite;				●	Convert format	
260		<b>com.tibco.cep.runtime.service.om.coherence</b>		12				
261	↑	<b>BulkEntityDeleter.java</b>		4	45	●	Wells Fargo uses this	
262		import com.tangosol.net.CacheFactory;						
263		import com.tangosol.net.NamedCache;						
264		import com.tangosol.util.Filter;				●	Remote code	
265		import com.tangosol.util.filter.AlwaysFilter;						
266	↑	<b>FastLocalCacheImpl.java</b>		1	13			
267		import com.tangosol.net.cache.LocalCache;				●	Wells Fargo uses this	
268	↑	<b>InternalNamedCache.java</b>		4	66	●		
269		import com.tangosol.net.NamedCache;					Coherence impl	100
270		import com.tangosol.util.Filter;						
271		import com.tangosol.util.MapEvent;						
272		import com.tangosol.util.MapListener;						
273	↑	<b>KeyTuple.java</b>		1	36			
274		import com.tangosol.io.ExternalizableLite;				●		
275	↑	<b>NamedCacheProvider.java</b>		2	8		Coherence impl	100
276		import com.tangosol.net.CacheFactory;				●		
277		import com.tangosol.net.NamedCache;						
278		<b>com.tibco.cep.runtime.service.om.coherence.cluster</b>		112				
279	↑	<b>AgentManager.java</b>		2	232			
280		import com.tangosol.net.Invocable;				●	Don't know why it's used	
281		import com.tangosol.net.InvocationService;				●	Remote code	
282	↑	<b>AgentTableCache.java</b>		1	149			
283		import com.tangosol.util.UID;				●	Tracking member UIDs and membership listener	
284	↑	<b>BEEntityCache.java</b>		8	298	●		
285		import com.tangosol.io.ExternalizableLite;				●	Convert format	
286		import com.tangosol.net.CacheFactory;				●	Boot time, Indexing	
287		import com.tangosol.net.NamedCache;				●	Remote invocation, getIfVersion	
288		import com.tangosol.util.extractor.ChainedExtractor;				●	Indexing	
289		import com.tangosol.util.extractor.ReflectionExtractor;				●	Indexing	
290		import com.tangosol.util.filter.AlwaysFilter;				●	"Light" deletion	
291		import com.tangosol.util.processor.ConditionalRemove;				●	"Light" deletion	
292		import com.tangosol.util.TransactionMap;				●	RTCTransactionManager and local txns	
293	↓	<b>BEEntityCacheV2.java</b>		2	86		Not used	
294		import com.tangosol.util.filter.AlwaysFilter;						
295		import com.tangosol.util.processor.ConditionalRemove;						
296	↑	<b>BEManagedCache.java</b>		5	262	●		
297		import com.tangosol.net.CacheService;				●	MasterCache, Cluster config - 23 references	
298		import com.tangosol.net.NamedCache;				●	Recovery	
299		import com.tangosol.util.Filter;				●	19 references	

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300			import com.tangosol.util.MapListener;			●	19 references	
301			import com.tangosol.util.ValueExtractor;			●	Indexing	
302	↑	CacheAgent.java		1	113			
303			import com.tangosol.util.UID;			●	Member/Node Id	
304	↑	CacheAgentConfiguration.java		2	280			
305			import com.tangosol.util.TransactionMap;			●		
306			import com.tangosol.util.UID;			●		
307	↑	CacheCluster.java		9	1297	●	Don't know what this class really does	
308			import com.tangosol.io.pof.PofContext;					
309			import com.tangosol.net.*;			●	Whoa! The whole package	
310			import com.tangosol.net.cache.ReadWriteBackingMap;			●	Flush cache using non-API	
311			import com.tangosol.run.xml.XmlDocument;			●	Loads XML and calls ClusterCacheConfig	
312			import com.tangosol.run.xml.XmlElement;			●	Loads XML and calls ClusterCacheConfig	
313			import com.tangosol.run.xml.XmlHelper;			●	Loads XML and calls ClusterCacheConfig	
314			import com.tangosol.util.MapEvent;			●	Membership, Cluster submit job	
315			import com.tangosol.util.MapListener;			●	Membership, Cluster submit job	
316			import com.tangosol.util.UID;			●	Member Id	
317	↑	CacheSerializer.java		5	39			
318			import com.tangosol.io.DefaultSerializer;	4		●	Direct port to AS	
319			import com.tangosol.io.ReadBuffer;			●		
320			import com.tangosol.io.Serializer;			●		
321			import com.tangosol.io.WriteBuffer;			●		
322	↑	CacheServiceAgent.java		3	6		Has 8 sub-classes. Don't know what this class is for	
323			import com.tangosol.net.Invocable;					
324			import com.tangosol.net.AbstractInvocable;			●		
325			import com.tangosol.io.ExternalizableLite;			●	Convert format	
326	↑	ClusterBackingStoreManager.java		2	70		Don't know what this class is for	
327			import com.tangosol.net.NamedCache;			●		
328			import com.tangosol.util.UID;					
329	↑	ClusterCacheFactory.java		12	71	●	Main configuration. Not sure how this will be done in AS. Needs	
330			import com.tangosol.io.BinaryStore;					
331			import com.tangosol.io.BinaryStoreManager;					
332			import com.tangosol.net.BackingMapManagerContext;					
333			import com.tangosol.net.ConfigurableCacheFactory;					
334			import com.tangosol.net.DefaultConfigurableCacheFactory;					
335			import com.tangosol.net.NamedCache;					
336			import com.tangosol.net.cache.CacheLoader;					
337			import com.tangosol.net.cache.SerializationCache;					
338			import com.tangosol.net.cache.SerializationMap;					
339			import com.tangosol.net.cache.SerializationPagedCache;					
340			import com.tangosol.run.xml.XmlElement;					
341			import com.tangosol.util.MapListener;					
342	↓	ClusterCommandChannel.java		2	5		Not used	
343			import com.tangosol.net.NamedCache;					
344			import com.tangosol.net.InvocationService;					
345	↓	ClusterEntityListener.java		1	5		Not used	
346			import com.tangosol.util.Filter;					
347	↑	ClusterEntityMediator.java		1	126			
348			import com.tangosol.util.Filter;			●	Uses filters for listening	
349	↑	ClusterEntityProvider.java		1	37			
350			import com.tangosol.util.TransactionMap;			●	Unnecessary	

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351	↓	ClusterEventQueueListener.java		1	7	●	Not used	
352			import com.tangosol.util.Filter;					
353	↓	DataObject.java		4	12	●	Not used	
354			import com.tangosol.io.ExternalizableLite;					
355			import com.tangosol.io.pof.PofReader;					
356			import com.tangosol.io.pof.PofWriter;					
357			import com.tangosol.io.pof.PortableObject;					
358	↑	EntityTupleImpl.java		1	131			
359			import com.tangosol.io.ExternalizableLite;			●	Convert format	
360	↑	EventTableCache.java		7	129		Don't understand functionality	
361			import com.tangosol.net.NamedCache;			●		
362			import com.tangosol.util.Filter;			●	TransferEvent, AcquireEvent and other remote code	
363			import com.tangosol.util.MapEvent;					
364			import com.tangosol.util.MapListener;			●	Not sure why there are listeners	
365			import com.tangosol.util.filter.AlwaysFilter;			●	Uses remote invocation to releaseAgent and change event ownership	
366			import com.tangosol.util.filter.MapEventFilter;					
367			import com.tangosol.util.processor.ConditionalRemove;			●		
368	↑	EventTuple.java		1	3			
369			import com.tangosol.io.ExternalizableLite;			●	EventTuple has to be redesigned to a non-opaque format to avoid remote invocation	
370	↑	ExtidExtractor.java		2	7			
371			import com.tangosol.util.extractor.AbstractExtractor;			●	Remote code execution	
372			import com.tangosol.io.ExternalizableLite;			●	EntityTuple has to be redesigned to a non-opaque format to avoid remote invocation	
373	↑	HotDeployer.java		1	96			
374			import com.tangosol.util.UID;			●	Cluster membership change listener. Needs design	
375	↑	IdSequence.java		1	34			
376			import com.tangosol.io.ExternalizableLite;			●	Convert format	
377	↑	MasterCache.java		4	174	●	Does a lot of things. Complex	
378			import com.tangosol.net.MemberListener;			●	Tied to ClusterConfig, Agent membership	
379			import com.tangosol.net.NamedCache;			●	Cache lock/unlock	
380			import com.tangosol.util.MapListener;			●	Failover, Cluster state change listener	
381			import com.tangosol.util.UID;			●	Membership listener	
382	↑	MetadataCache.java		3	191			
383			import com.tangosol.io.pof.PofContext;			●	Not sure if POF is still required/used	
384			import com.tangosol.io.pof.PortableObjectSerializer;			●		
385			import com.tangosol.io.pof.SimplePofContext;			●		
386	↑	ObjectTableCache.java		7	255			
387			import com.tangosol.net.CacheFactory;			●		
388			import com.tangosol.net.NamedCache;			●		
389			import com.tangosol.net.Service;			●		
390			import com.tangosol.util.filter.AlwaysFilter;			●	Purging deleted objects. Remote code execution. EntityTuple has to be redesigned into a non-opaque format	
391			import com.tangosol.util.filter.EqualsFilter;			●		
392			import com.tangosol.util.processor.ConditionalRemove;			●		
393			import com.tangosol.util.TransactionMap;					
394	↑	RVEntityMediator.java		1	203		Not sure if this class is even used	
395			import com.tangosol.util.Filter;			●	Not sure if a Coherence filter is required	
396	↑	SchedulerCache.java		7	530			
397			import com.tangosol.net.NamedCache;			●	Lock/Unlock/Key iteration	
398			import com.tangosol.net.cache.CacheEvent;			●	Not sure what this is for	



	A	B	C	D	E	F	G	H
399			import com.tangosol.util.MapEvent;					
400			import com.tangosol.util.MapListener;			●		
401			import com.tangosol.util.UID;			●	Node membership Ids	
402			import com.tangosol.util.ConcurrentMap;			●	Unused	
403			import com.tangosol.util.filter.LessEqualsFilter;			●	Remote code execution for running indexed query over timestamp for scheduling	
404	↓	TestPof.java		5	4		Test code	
405			import com.tangosol.io.pof.*;					
406			import com.tangosol.io.ExternalizableLite;					
407			import com.tangosol.io.ByteArrayWriteBuffer;					
408			import com.tangosol.net.CacheFactory;					
409			import com.tangosol.net.NamedCache;					
410	↑	TopicRegistry.java		3	50	●	Not sure what this does	
411			import com.tangosol.net.NamedCache;			●	Uses ReplicatedCache	
412			import com.tangosol.util.MapListener;			●	Topic based subscription	
413			import com.tangosol.util.MapEvent;			●		
414	↑	WorkEntry.java		1	6			
415			import com.tangosol.io.ExternalizableLite;			●		
416	↑	WorkManagerEntry.java		2	51			
417			import com.tangosol.io.ExternalizableLite;			●		
418			import com.tangosol.util.UID;			●		
419	↑	WorkManagerTimeExtractor.java		2	9			
420			import com.tangosol.io.ExternalizableLite;			●	Mobile code filter/extractor	
421			import com.tangosol.util.extractor.AbstractExtractor;			●	Remote code execution	
422	↑	WorkTuple.java		2	89			
423			import com.tangosol.io.ExternalizableLite;			●	Convert format	
424			import com.tangosol.util.ExternalizableHelper;			●		
425		com.tibco.cep.runtime.service.om.coherence.cluster.agents		50				
426	↑	AgentEventsFilter.java		2	15			
427			import com.tangosol.util.Filter;			●	Remote code execution	
428			import com.tangosol.io.ExternalizableLite;			●		
429	↑	AgentTimeQueue.java		3	42			
430			import com.tangosol.net.NamedCache;			●	Timeout scheduling using indexing	
431			import com.tangosol.util.MapEvent;			●	Unused	
432			import com.tangosol.util.filter.EqualsFilter;			●	Opaque extractor	
433	↑	AvailableEventFilter.java		2	10			
434			import com.tangosol.io.ExternalizableLite;			●	Remote code execution	
435			import com.tangosol.util.Filter;			●		
436	↗	ClassFilter.java		3	46			
437			import com.tangosol.io.ExternalizableLite;			●	Probably unused code	
438			import com.tangosol.util.Filter;			●		
439			import com.tangosol.util.MapEvent;			●		
440	↑	ExpireEntities.java		2	48			
441			import com.tangosol.net.NamedCache;			●		
442			import com.tangosol.util.filter.LessEqualsFilter;			●	Timeout scheduling using indexing	
443	↓	ForwardingRtcTxnSubscriber.java		1	54			
444			import com.tangosol.util.Filter;			●	Unused	
445	↑	NewInferenceAgent.java		6	221			
446			import com.tangosol.net.CacheFactory;			●	Indexed ExtId access for FedEx. Can be removed	
447			import com.tangosol.net.NamedCache;			●		
448			import com.tangosol.net.cache.LocalCache;			●		

	A	B	C	D	E	F	G	H
449			import com.tangosol.util.Filter;			●		
450			import com.tangosol.util.ValueExtractor;			●		
451			import com.tangosol.util.extractor.ReflectionExtractor;			●		
452	↑	ObjectTableFilter.java		2	31			
453			import com.tangosol.io.ExternalizableLite;			●	Unused code used by ObjectTableCache.getHandles()	
454			import com.tangosol.util.Filter;			●		
455	↑	PurgeObjectTableExtractor.java		2	13			
456			import com.tangosol.io.ExternalizableLite;			●	Remote code execution	
457			import com.tangosol.util.extractor.AbstractExtractor;			●	EntityTuple needs to change to a non-opaque format	
458	↑	RtcEventSubscriber.java		1	62			
459			import com.tangosol.util.Filter;			●	Uses AvailableEventFilter	
460	↑	RtcKey.java		1	29			
461			import com.tangosol.io.ExternalizableLite;			●		
462	↓	RtcTransactionFilter.java		2	5		Unused code	
463			import com.tangosol.io.ExternalizableLite;					
464			import com.tangosol.util.Filter;					
465	↑	RtcTransactionManager.java		2	621			
466			import com.tangosol.net.CacheFactory;			●	Transactions	
467			import com.tangosol.util.TransactionMap;			●		
468	↑	RtcTransactionProperties.java		1	5			
469			import com.tangosol.util.TransactionMap;			●	Txn constants used by other code	
470	↓	RtcTransactionSubscriber.java		2	170		Unused code	
471			import com.tangosol.util.Filter;					
472			import com.tangosol.util.filter.NeverFilter;					
473	↑	RtcTransactionSubscriber_V2.java		2	118			
474			import com.tangosol.util.Filter;			●	Remote code execution. Subscription filter	
475			import com.tangosol.util.filter.NeverFilter;			●		
476	↓	SMTTimeoutTask.java		2	20		Unused code	
477			import com.tangosol.util.ExternalizableHelper;					
478			import com.tangosol.io.ExternalizableLite;					
479	↓	TestExpiry.java		6	27		Test code	
480			import com.tangosol.net.NamedCache;					
481			import com.tangosol.net.CacheFactory;					
482			import com.tangosol.net.cache.CacheEvent;					
483			import com.tangosol.util.MapListener;					
484			import com.tangosol.util.MapEvent;					
485			import com.tangosol.util.MultiplexingMapListener;					
486	↓	TimeBasedEntity.java		2	15		Unused code	
487			import com.tangosol.io.ExternalizableLite;					
488			import com.tangosol.util.ExternalizableHelper;					
489	↑	TimeoutExtractor.java		2	9			
490			import com.tangosol.util.extractor.AbstractExtractor;			●	Remote code execution	
491			import com.tangosol.io.ExternalizableLite;			●	Need to change design to make it non-opaque	
492	↑	TimeoutKeyExtractor.java		2	9			
493			import com.tangosol.util.extractor.AbstractExtractor;			●	Remote code execution	
494			import com.tangosol.io.ExternalizableLite;			●	Need to change design to make it non-opaque	
495	↓	TransactionFilter.java		2	48		Unused code	
496			import com.tangosol.util.Filter;					
497			import com.tangosol.io.ExternalizableLite;					
498		com.tibco.ccp.runtime.service.om.coherence.cluster.services		27				
499	↑	AcquireEvent.java		2			Something to do with Event recovery	

	A	B	C	D	E	F	G	H
500			import com.tangosol.util.InvocableMap;			●	Remote code execution	
501			import com.tangosol.io.ExternalizableLite;			●	Need to make EntityTuple non-opaque	
502	➤	CacheFlush.java		1				
503			import com.tangosol.net.InvocationService;			●	Remote code execution	
504	➤	ClassUnloadService.java		2				
505			import com.tangosol.net.InvocationService;			●	Remote code execution	
506			import com.tangosol.net.Member;			●	Cluster membership. Needs design	
507	⬆	EventLivenessChecker.java		1				
508			import com.tangosol.util.InvocableMap;			●	Remote code execution	
509	⬆	GetAgentProperty.java		2			Don't understand functionality	
510			import com.tangosol.net.InvocationService;			●	Remote code execution	
511			import com.tangosol.net.Member;			●	Cluster membership. Needs design	
512	➤	InvokeRuleFunction.java		2			Needs to be re-written along with C_* functions	
513			import com.tangosol.net.InvocationService;			●	Remote code execution	
514			import com.tangosol.util.ExternalizableHelper;			●		
515	➤	LoadExternalClasses.java		2			Something to do with Hot deploy	
516			import com.tangosol.net.InvocationService;			●	Remote code execution	
517			import com.tangosol.net.Member;			●		
518	⬆	MarkDeleted.java		2				
519			import com.tangosol.io.ExternalizableLite;			●		
520			import com.tangosol.util.InvocableMap;			●	Remote code execution	
521	⬆	ReleaseEvent.java		1	10		Something to do with Event recovery	
522			import com.tangosol.util.InvocableMap;			●	Remote code execution	
523	⬆	ResumeAgents.java		1				
524			import com.tangosol.net.InvocationService;			●	Remote code execution	
525	⬆	SetWriteMode.java		3			Don't understand functionality	
526			import com.tangosol.io.ExternalizableLite;			●	Unused code	
527			import com.tangosol.net.InvocationService;			●	Remote code execution	
528			import com.tangosol.net.CacheFactory;			●	Unused code	
529	⬆	SuspendAgents.java		1				
530			import com.tangosol.net.InvocationService;			●	Remote code execution	
531	⬇	TransferEvent.java		1			Unused code	
532			import com.tangosol.util.InvocableMap;					
533	⬆	VersionedGet.java		4			Concept structure has to be made non-opaque	
534			import com.tangosol.net.AbstractInvocable;			●	Unused code	
535			import com.tangosol.io.ExternalizableLite;			●	Unused code	
536			import com.tangosol.util.Filter;			●	Unused code	
537			import com.tangosol.util.InvocableMap;			●	Remote code execution	
538	⬆	VersionedGetV2.java		1			Concept structure has to be made non-opaque	
539			import com.tangosol.util.InvocableMap;			●	Remote code execution	
540	⬇	VersionedGetV3.java		1			Unused code	
541			import com.tangosol.util.InvocableMap;					
542		com.tibco.cep.runtime.service.om.coherence.cluster.services.txn		4				
543	➤	ServiceTxn.java		1	3		Something to do with Hot-deploy	
544			import com.tangosol.net.Member;			●		
545	➤	UnloadServiceTxn.java		3	6		Something to do with Hot-deploy	
546			import com.tangosol.net.CacheFactory;			●		
547			import com.tangosol.net.Cluster;			●		
548			import com.tangosol.net.Member;			●		
549		com.tibco.cep.runtime.service.om.coherence.cluster.util		33				
550	⬇	AgentCommandInvocable.java		3	40		Unused code	

	A	B	C	D	E	F	G	H
551			import com.tangosol.net.Invocable;					
552			import com.tangosol.net.InvocationService;					
553			import com.tangosol.io.ExternalizableLite;					
554	↓	BELocalCache.java		3	12		Unused code	
555			import com.tangosol.net.cache.LocalCache;					
556			import com.tangosol.net.cache.CacheLoader;					
557			import com.tangosol.net.cache.OldCache;					
558	↓	BEReadWriteBackingMap.java		5	10		Unused code	
559			import com.tangosol.net.cache.ReadWriteBackingMap;					
560			import com.tangosol.net.cache.CacheLoader;					
561			import com.tangosol.net.cache.CacheStore;					
562			import com.tangosol.net.BackingMapManagerContext;					
563			import com.tangosol.util.ObservableMap;				Unused code	
564	↓	BESafeHashMap.java		1	8			
565			import com.tangosol.util.SafeHashMap;					
566	↗	BetweenLimitIndexAwareFilter.java		4	73		Needs to be re-written along with C_* functions	
567			import com.tangosol.util.Filter;			●		
568			import com.tangosol.util.MapIndex;			●		
569			import com.tangosol.util.ValueExtractor;			●		
570			import com.tangosol.util.filter.IndexAwareFilter;			●		
571	↑	CacheEntityIterator.java		3	14		Don't understand functionality	
572			import com.tangosol.util.filter.AlwaysFilter;			●	Remote code execution	
573			import com.tangosol.util.Filter;			●	Used by Event recovery and others	
574			import com.tangosol.net.NamedCache;			●		
575	↑	CacheEntityPagedIterator.java		4	29		Don't understand functionality	
576			import com.tangosol.util.filter.LimitFilter;				Remote code execution	
577			import com.tangosol.util.filter.AlwaysFilter;				Used by Event recovery and others	
578			import com.tangosol.util.Filter;					
579			import com.tangosol.net.NamedCache;					
580	↑	CacheSequenceManager.java		3	205			
581			import com.tangosol.net.NamedCache;			●		
582			import com.tangosol.util.MapListener;			●		
583			import com.tangosol.util.MapEvent;			●		
584	↘	EqualsIndexAwareFilter.java		4	44		Conditional usage by FedEx	
585			import com.tangosol.util.Filter;			●		
586			import com.tangosol.util.MapIndex;			●		
587			import com.tangosol.util.ValueExtractor;			●		
588			import com.tangosol.util.filter.IndexAwareFilter;			●		
589	↓	RuleFunctionComparator.java		1	16		Unused code	
590			import com.tangosol.io.ExternalizableLite;					
591	↑	StateMachineTimeoutTuple.java		2	39			
592			import com.tangosol.io.ExternalizableLite;			●		
593			import com.tangosol.util.ExternalizableHelper;			●		
594		com.tibco.cep.runtime.service.om.coherence.metadata		4				
595	↗	ConceptUpdateProcessor.java		3	73		Most likely unused code	
596			import com.tangosol.io.ExternalizableLite;			●		
597			import com.tangosol.util.ExternalizableHelper;			●		
598			import com.tangosol.util.InvocableMap;			●		
599	↓	EntityDescription.java		1	2		Unused code	
600			import com.tangosol.io.ExternalizableLite;					
601		com.tibco.cep.runtime.service.om.impl		2				

	A	B	C	D	E	F	G	H
602	↗		ConceptBasedIdGenerator.java	<div></div>	2	115		Most likely unused code
603			import com.tangosol.net.CacheFactory;			<div></div>		
604			import com.tangosol.net.NamedCache;			<div></div>		
605			com.tibco.cep.runtime.service.om.impl.invm	<div></div>	2			
606	↑		AbstractTangosolLocalCache.java	<div></div>	2	55		
607			import com.tangosol.net.cache.CacheStatistics;			<div></div>		
608			import com.tangosol.net.cache.LocalCache;			<div></div>		No such equivalent in AS
609			com.tibco.cep.runtime.service.om.tangosol	<div></div>	16			Don't understand functionality
610	↑		AbstractFTNodeManager.java	<div></div>	6	512		
611			import com.tangosol.net.MemberEvent;			<div></div>		
612			import com.tangosol.net.MemberListener;			<div></div>		
613			import com.tangosol.util.ConverterCollections;			<div></div>		
614			import com.tangosol.util.Filter;			<div></div>		
615			import com.tangosol.util.MapEvent;			<div></div>		
616			import com.tangosol.util.MapListener;			<div></div>		
617	↑		FTNodeManagerImpl.java	<div></div>	4	480		
618			import com.tangosol.net.MemberEvent;			<div></div>		
619			import com.tangosol.net.MemberListener;			<div></div>		
620			import com.tangosol.util.MapEvent;			<div></div>		
621			import com.tangosol.util.MapListener;			<div></div>		
622	↑		FTNodeMap.java	<div></div>	1	19		
623			import com.tangosol.util.SafeHashMap;			<div></div>		
624	↑		MasterCache.java	<div></div>	5	174		
625			import com.tangosol.net.*;			<div></div>		Whoa! The whole package
626			import com.tangosol.util.ConcurrentMap;			<div></div>		
627			import com.tangosol.util.Filter;			<div></div>		
628			import com.tangosol.util.MapListener;			<div></div>		
629			import com.tangosol.util.TransactionMap;			<div></div>		
630			com.tibco.cep.runtime.session.impl.locks	<div></div>	4			
631	↑		AbstractCoherenceLockKeeper.java	<div></div>	1	28		
632			import com.tangosol.net.NamedCache;			<div></div>		Lock/Unlock
633	↓		BloomFilterCoherenceLockKeeper.java	<div></div>	1	88		
634			import com.tangosol.net.NamedCache;					
635	↑		CoherenceLockKeeper.java	<div></div>	1	12		
636			import com.tangosol.net.NamedCache;			<div></div>		
637	↓		StickyLockKeeper.java	<div></div>	1	17		
638			import com.tangosol.net.NamedCache;					