

	Transactional scheme 3.6	TxLite
Transaction isolation	MVCC	MVCC
Write concurrency	optimistic / non blocking	single writer / global lock
XA, JTA	yes	no
Transactions span cache services	limited with JTA and distributed transactions	supports
Partitioned cache support	yes	yes
Replicated cache support	no	yes
Custom backing map	no	yes
Off heap backing map	no	yes
Coherence 3.7 elastic memory support	no	yes
Expiry / eviction	no	yes, (though non-transactional)
Near cache	no	yes
Read Write backing map	no	no (support for read through planned)
Map listener support	?	Non-transactional Listener reacts to dirty writes
Memory overhead	~1.5k per entry	~40bytes per entry
Index support	yes	yes
Read performance	Good	Good (but may degrade in case of large number of versions for give key)
Read micro	5362k op/s	5289 op/s

benchmark		
Write performance	5-6 times slower compared to non-transactional	2-3 time slower compare to non-transactional
Write micro benchmark (1 backup)	789 op/s	1987 op/s
Commit time	Proportional to number of object in TX	Constant (single put)
XML config	<pre> <transactional-scheme> <scheme-name> tx-scheme </scheme-name> </transactional-scheme> </pre>	<pre> <!-- tx manager system cache --> <!-- single instance per cluster --> <distributed-scheme> <scheme-name> tx-lite-system-scheme </scheme-name> <backing-map-scheme> <local-scheme /> </backing-map-scheme> <backup-count> 1 </backup-count> </distributed-scheme> <!-- data cache scheme --> <near-scheme> <scheme-name> tx-lite-scheme </scheme-name> <class-name> org.gridkit.coherence.txlite.TxLiteCache </class-name> <front-scheme> <local-scheme/> </front-scheme> <back-scheme> <distributed-scheme> <scheme-ref> back-scheme </scheme-ref> </distributed-scheme> </back-scheme> </near-scheme> </pre>
Dirty reads	no	default
Read committed	Read committed	no (statement committed is lowest level of isolation)

Repeatable read	Statement consistent Monotonic statement consistent TX consistent Monotonic TX consistent	Statement consistent (repeatable read + auto commit) TX consistent (serializable)
Client batching write operations	yes	no
Coherence*Extend support	no	yes (session timeouts are used to detect disconnected clients)