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Oracle Enqueue Names

This appendix lists Oracle enqueues. **Enqueues** are shared memory structures (locks) that serialize access to database resources. They can be associated with a session or transaction. Enqueue names are displayed in the `LOCK_TYPE` column of the `DBA_LOCK` and `DBA_LOCK_INTERNAL` data dictionary views.

A **resource** uniquely identifies an object that can be locked by different sessions within an instance (local resource) or between instances (global resource). Each session that tries to lock the resource will have an **enqueue** on the resource.



Note:

The names of enqueues and their definitions may change from release to release.



See Also:

["DBA_LOCK_INTERNAL"](#) and ["DBA_LOCK"](#)

The Oracle enqueues are:

- BL, Buffer Cache Management
- BR, Backup/Restore
- CF, Controlfile Transaction
- CI, Cross-instance Call Invocation
- CU, Bind Enqueue
- DF, Datafile
- DL, Direct Loader Index Creation
- DM, Database Mount
- DR, Distributed Recovery Process
- DW, SecureFiles
- DX, Distributed Transaction
- FP, File Object
- FS, File Set
- HW, High-Water Lock
- IN, Instance Number
- IQ, Text index maintenance
- IR, Instance Recovery

- IS, Instance State
- IV, Library Cache Invalidation
- JI, Enqueue used during AJV snapshot refresh
- JQ, Job Queue
- KK, Redo Log "Kick"
- KP, contention in Oracle Data Pump startup and shutdown processes
- KO, Multiple Object Checkpoint
- L[A-P], Library Cache Lock
- LS, Log Start or Switch
- MM, Mount Definition
- MR, Media Recovery
- N[A-Z], Library Cache Pin
- PE, ALTER SYSTEM SET PARAMETER = VALUE
- PF, Password File
- PI, Parallel Slaves
- PR, Process Startup
- PS, Parallel Slave Synchronization
- Q[A-Z], Row Cache
- RO, Object Reuse
- RT, Redo Thread
- RW, Row Wait
- SC, System Change Number
- SM, SMON
- SN, Sequence Number
- SQ, Sequence Number Enqueue
- SR, Synchronized Replication
- SS, Sort Segment
- ST, Space Management Transaction
- SV, Sequence Number Value
- TA, Transaction Recovery
- TC, Thread Checkpoint
- TE, Extend Table
- TM, DML Enqueue
- TO, Temporary Table Object Enqueue
- TS, Temporary Segment (also TableSpace)
- TT, Tablespace
- TX, Transaction
- UL, User-defined Locks

- UN, User Name
- US, Undo Segment, Serialization
- WL, Being Written Redo Log
- XA, Instance Attribute Lock
- XI, Instance Registration Lock
- ZA, Exclusive Lock When Moving Audit Table