SQL Plan Operations & Options

select distinct operation, options from v\$sql_plan union
select distinct operation, options from dba_hist_sql_plan
order by 1, 2;

OPERATION	OPTIONS
FILTER	
COUNT	STOPKEY
INLIST ITERATOR	

OPERATION	OPTIONS
VIEW	
VIEW PUSHED PREDICATE	

Only a limited subset of all operations and options can fit on this slide!

OPERATION	OPTIONS
CONCATENATION	
UNION-ALL	
UNION ALL PUSHED PREDICATE	
MINUS	

OPERATION	OPTIONS
TABLE ACCESS	FULL
TABLE ACCESS	BY INDEX ROWID
TABLE ACCESS	BY INDEX ROWID BATCHED
TABLE ACCESS	BY LOCAL INDEX ROWID
TABLE ACCESS	BY LOCAL INDEX ROWID BATCHED
TABLE ACCESS	BY GLOBAL INDEX ROWID BATCHED
TABLE ACCESS	BY USER ROWID

OPERATION	OPTIONS
FAST DUAL	
XMLTABLE EVALUATION	
RESULT CACHE	
SEQUENCE	
FIXED TABLE	FULL
EXTERNAL TABLE ACCESS	FULL
COLLECTION ITERATOR	PICKLER FETCH

OPERATION	OPTIONS
PARTITION RANGE	SINGLE
PARTITION RANGE	ITERATOR
PARTITION RANGE	ALL
PARTITION RANGE	AND
PARTITION RANGE	SUBQUERY
PARTITION LIST	SINGLE
PARTITION LIST	ITERATOR
PARTITION LIST	ALL
PARTITION LIST	SUBQUERY
PARTITION HASH	SINGLE
PARTITION HASH	INLIST
PARTITION HASH	ALL
PARTITION HASH	SUBQUERY

OPERATION	OPTIONS
INDEX	UNIQUE SCAN
INDEX	RANGE SCAN
INDEX	RANGE SCAN DESCENDING
INDEX	RANGE SCAN (MIN/MAX)
INDEX	FULL SCAN
INDEX	FAST FULL SCAN
INDEX	FULL SCAN (MIN/MAX)
INDEX	SAMPLE FAST FULL SCAN
INDEX	SKIP SCAN

OPERATION	OPTIONS
BITMAP INDEX	SINGLE VALUE
BITMAP INDEX	RANGE SCAN
BITMAP INDEX	FULL SCAN
BITMAP INDEX	FAST FULL SCAN
BITMAP AND	
BITMAP OR	
BITMAP MERGE	
BITMAP MINUS	
BITMAP CONVERSION	FROM ROWIDS
BITMAP CONVERSION	TO ROWIDS

OPTIONS
NO FILTERING WITH START-WITH
WITH FILTERING
WITH FILTERING (UNIQUE)
WITHOUT FILTERING
DEPTH FIRST
BREADTH FIRST

OPERATION OPTIONS HASH UNIQUE HASH GROUP BY HASH GROUP BY PIVOT SORT UNIQUE SORT UNIQUE STOPKEY SORT GROUP BY SORT GROUP BY NOSORT SORT GROUP BY ROLLUP SORT ORDER BY SORT ORDER BY
HASH GROUP BY HASH GROUP BY PIVOT SORT UNIQUE SORT UNIQUE STOPKEY SORT GROUP BY SORT GROUP BY SORT GROUP BY NOSORT SORT GROUP BY ROLLUP SORT ORDER BY
HASH GROUP BY PIVOT SORT UNIQUE SORT UNIQUE STOPKEY SORT GROUP BY SORT GROUP BY NOSORT SORT GROUP BY ROLLUP SORT ORDER BY
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SORT GROUP BY NOSORT SORT GROUP BY ROLLUP SORT ORDER BY
SORT GROUP BY ROLLUP SORT ORDER BY
SORT ORDER BY
51121121
SUBT UDDED BY STUDKEY
JOINT ONDER DI JIOFNET
WINDOW BUFFER
WINDOW SORT
WINDOW SORT PUSHED RANK
WINDOW CHILD PUSHED RANK

OPERATION	OPTIONS
NESTED LOOPS	
NESTED LOOPS	ANTI
NESTED LOOPS	OUTER
NESTED LOOPS	SEMI
HASH JOIN	
HASH JOIN	SEMI
HASH JOIN	ANTI
HASH JOIN	ANTI NA
HASH JOIN	OUTER
HASH JOIN	FULL OUTER
HASH JOIN	RIGHT SEMI
HASH JOIN	RIGHT ANTI
HASH JOIN	RIGHT OUTER
HASH JOIN	BUFFERED
HASH JOIN	OUTER BUFFERED
HASH JOIN	RIGHT OUTER BUFFERED
JOIN FILTER	CREATE
JOIN FILTER	USE
PART JOIN FILTER	CREATE
MERGE JOIN	
MERGE JOIN	ANTI
MERGE JOIN	CARTESIAN
MERGE JOIN	OUTER
MERGE JOIN	SEMI
SORT	JOIN
BUFFER	SORT
BUFFER	SORT (REUSE)

OPERATION	OPTIONS
PX COORDINATOR	
PX BLOCK	ITERATOR
PX RECEIVE	
PX SEND	QC (ORDER)
PX SEND	QC (RANDOM)
PX SEND	BROADCAST
PX SEND	HASH
PX SEND	HYBRID HASH
PX SEND	RANGE
PX SEND	ROUND-ROBIN